

MACE RANCH INNOVATION CENTER PROJECT

SCH# 2014112012

FINAL ENVIRONMENTAL IMPACT REPORT

VOLUME II OF III
APPENDICES B – F (PART I)

PREPARED FOR



JANUARY 2016

PREPARED BY



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APPENDIX B

Changes to Freeway LOS Results (Reference Response to Comment 23-2)

**TABLE 4.14-7
EXISTING MIDWEEK PEAK HOUR FREEWAY OPERATIONS**

Route	Direction	Segment	AM Peak		PM Peak	
			Density	LOS	Density	LOS
I-80	Eastbound	Kidwell Road to SR-113 Junction	11	A	11	A
		Old Davis Road to Richards Boulevard	17	B	18	B
		Richards Boulevard to Mace Boulevard	20 <u>21</u>	C	22 <u>26</u>	C
		Mace Boulevard to Chiles Road	25 <u>26</u>	C	26 <u>34</u>	E <u>D</u>
		Chiles Road to Enterprise Boulevard	19 <u>27</u>	E <u>D</u>	24 <u>31</u>	E <u>D</u>
	Westbound	Enterprise Boulevard to Chiles Road	18 <u>27</u>	B <u>D</u>	20 <u>28</u>	E <u>D</u>
		Chiles Road to Mace Boulevard	17 <u>27</u>	B <u>D</u>	21 <u>27</u>	E <u>D</u>
		Mace Boulevard to Olive Drive	25	C	22	C
		Richards Boulevard to Old Davis Road	17	B	25	C
		SR-113 Junction to Kidwell Road	14	B	17	B
SR-113	Northbound	Hutchison Drive to Russell Boulevard	8	A	12	B
		Russell Boulevard to Covell Boulevard	9	A	15	B
		Covell Boulevard to County Road 29	6	A	13	B
		County Road 29 to County Road 27	7	A	12	B
	Southbound	County Road 27 to County Road 29	17	B	15	B
		County Road 29 to Covell Boulevard	16	B	16	B
		Covell Boulevard to Russell Boulevard	18	B	9	A
		Russell Boulevard to Hutchison Drive	18	B	7	A

Notes: Delay and LOS is based on 2010 HCM methodology.

**TABLE 4.14-12
EXISTING PLUS PROJECT PEAK HOUR FREEWAY OPERATIONS (LOCAL STUDY AREA)**

Route	Direction	Segment	Existing				Existing Plus Project			
			AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS
I-80	Eastbound	Kidwell Road to SR-113 Junction	11	A	11	A	12	B	11	A
		Old Davis Road to Richards Boulevard	17	B	18	B	18	B	19	C
		Richards Boulevard to Mace Boulevard	20 <u>21</u>	C	22 <u>26</u>	C <u>C</u>	21 <u>22</u>	C	23 <u>28</u>	A <u>D</u>
		Mace Boulevard to Chiles Road	25 <u>26</u>	C	26 <u>34</u>	C <u>D</u>	26 <u>27</u>	C <u>D</u>	34 <u>45</u>	D <u>E</u>
		Chiles Road to Enterprise Boulevard	19 <u>27</u>	C <u>D</u>	24 <u>31</u>	C <u>D</u>	20 <u>28</u>	C <u>D</u>	31 <u>41</u>	D <u>E</u>
	Westbound	Enterprise Boulevard to Chiles Road	18 <u>27</u>	B <u>D</u>	20 <u>28</u>	C <u>D</u>	24 <u>36</u>	C <u>E</u>	24 <u>34</u>	C <u>D</u>
		Chiles Road to Mace Boulevard	17 <u>27</u>	B <u>D</u>	21 <u>27</u>	C <u>D</u>	23 <u>37</u>	C <u>E</u>	22 <u>28</u>	C <u>D</u>
		Mace Boulevard to Olive Drive	25	C	22	C	27	C	24	C
		Richards Boulevard to Old Davis Road	17	B	25	C	20	C	29	D
		SR-113 Junction to Kidwell Road	14	B	17	B	18	B	18	B
SR-113	Northbound	Hutchison Drive to Russell Boulevard	8	A	12	B	9	A	12	B

**TABLE 4.14-12
EXISTING PLUS PROJECT PEAK HOUR FREEWAY OPERATIONS (LOCAL STUDY AREA)**

Route	Direction	Segment	Existing				Existing Plus Project			
			AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS
		Russell Boulevard to Covell Boulevard	9	A	15	B	10	A	15	B
		Covell Boulevard to County Road 29	6	A	13	B	7	A	16	B
		County Road 29 to County Road 27	7	A	12	B	8	A	15	B
	Southbound	County Road 27 to County Road 29	17	B	15	B	20	C	16	B
		County Road 29 to Covell Boulevard	16	B	16	B	19	C	16	B
		Covell Boulevard to Russell Boulevard	18	B	9	A	27	D	12	B
		Russell Boulevard to Hutchison Drive	18	B	7	A	27	D	10	A

Notes: Delay and LOS is based on 2010 HCM methodology.

**Table 5-15
CEQA Cumulative Peak Hour Freeway Operations**

Route	Direction	Segment	Existing				CEQA Cumulative No Project				CEQA Cumulative With Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
I-80	Eastbound	Kidwell Road to SR-113 Junction	11	A	11	A	16	B	14	B	17	B	18	B
		Old Davis Road to Richards Boulevard	17	B	18	B	23	C	28	D	23	C	27	D
		Richards Boulevard to Mace Boulevard	20 <u>21</u>	C	22 <u>26</u>	C	27 <u>28</u>	C <u>D</u>	38 <u>-</u>	E <u>F</u>	26 <u>28</u>	<u>D</u>	43 <u>-</u>	E <u>F</u>
		Mace Boulevard to Chiles Road	25 <u>26</u>	C	26 <u>34</u>	C <u>D</u>	34 <u>35</u>	D <u>E</u>	-	F	35 <u>37</u>	<u>E</u>	-	F
		Chiles Road to Enterprise Boulevard	49 <u>27</u>	C <u>D</u>	24 <u>31</u>	C <u>D</u>	26 <u>37</u>	C <u>E</u>	-	F	27 <u>39</u>	<u>E</u>	-	F
	Westbound	Enterprise Boulevard to Chiles Road	48 <u>27</u>	B <u>D</u>	20 <u>28</u>	C <u>D</u>	40 <u>-</u>	E <u>F</u>	32 <u>-</u>	D <u>E</u>	-	F	33 <u>-</u>	D <u>E</u>
		Chiles Road to Mace Boulevard	47 <u>27</u>	B <u>D</u>	24 <u>27</u>	C <u>D</u>	39 <u>-</u>	E <u>F</u>	29 <u>38</u>	D <u>E</u>	-	F	34 <u>40</u>	D <u>E</u>

**Table 5-15
CEQA Cumulative Peak Hour Freeway Operations**

Route	Direction	Segment	Existing				CEQA Cumulative No Project				CEQA Cumulative With Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
		Mace Boulevard to Olive Drive	25	C	22	C	-	F	32	D	-	F	32	D
		Richards Boulevard to Old Davis Road	17	B	25	C	27	D	42	E	30	D	45	E
		SR-113 Junction to Kidwell Road	14	B	17	B	18	B	24	C	18	B	26	C
		Hutchison Drive to Russell Boulevard	8	A	12	B	18	B	17	B	18	B	17	B
SR-113	Northbound	Russell Boulevard to Covell Boulevard	9	A	15	B	20	C	22	C	21	C	21	C
		Covell Boulevard to County Road 29	6	A	13	B	9	A	19	C	10	A	19	C
		County Road 29 to County Road 27	7	A	12	B	10	A	23	C	11	A	27	D

**Table 5-15
CEQA Cumulative Peak Hour Freeway Operations**

Route	Direction	Segment	Existing				CEQA Cumulative No Project				CEQA Cumulative With Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
	Southbound	County Road 27 to County Road 29	17	B	15	B	30	D	19	C	36	E	20	C
		County Road 29 to Covell Boulevard	16	B	16	B	24	C	18	B	26	C	20	C
		Covell Boulevard to Russell Boulevard	18	B	9	A	22	C	22	C	31	D	23	C
		Russell Boulevard to Hutchison Drive	18	B	7	A	26	C	18	B	35	D	21	C

Notes: Delay and LOS is based on 2010 HCM methodology.

**Table 5-16
Modified Cumulative Peak Hour Freeway Operations**

Route	Direction	Segment	Existing				Modified Cumulative No Project				Modified Cumulative With Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
I-80	Eastbound	Kidwell Road to SR-113 Junction	11	A	11	A	15	B	14	B	15	B	14	B
		Old Davis Road to Richards Boulevard	17	B	18	B	22	C	24	C	23	C	24	C
		Richards Boulevard to Mace Boulevard	20 <u>21</u>	C	22 <u>26</u>	C	26 <u>27</u>	C <u>D</u>	32 <u>38</u>	D <u>E</u>	26 <u>28</u>	C <u>D</u>	32 <u>40</u>	D <u>E</u>
		Mace Boulevard to Chiles Road	25 <u>26</u>	C	26 <u>34</u>	C <u>D</u>	32 <u>34</u>	D	42 <u>-</u>	E <u>F</u>	33 <u>35</u>	D	-	F <u>F</u>
		Chiles Road to Enterprise Boulevard	49 <u>27</u>	C <u>D</u>	24 <u>31</u>	C <u>D</u>	24 <u>35</u>	C <u>D</u>	38 <u>-</u>	E <u>F</u>	25 <u>36</u>	C <u>E</u>	41 <u>-</u>	E <u>F</u>
	Westbound	Enterprise Boulevard to Chiles Road	48 <u>27</u>	B <u>D</u>	20 <u>28</u>	C <u>D</u>	28 <u>42</u>	D <u>E</u>	30 <u>44</u>	D <u>E</u>	31 <u>-</u>	D <u>F</u>	31 <u>-</u>	D <u>F</u>
		Chiles Road to Mace Boulevard	47 <u>27</u>	B <u>D</u>	24 <u>27</u>	C <u>D</u>	27 <u>44</u>	D <u>E</u>	28 <u>36</u>	D <u>E</u>	30 <u>-</u>	D <u>F</u>	28 <u>37</u>	D <u>E</u>

**Table 5-16
Modified Cumulative Peak Hour Freeway Operations**

Route	Direction	Segment	Existing				Modified Cumulative No Project				Modified Cumulative With Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
		Mace Boulevard to Olive Drive	25	C	22	C	36	E	30	D	36	E	31	D
		Richards Boulevard to Old Davis Road	17	B	25	C	22	C	39	E	22	C	39	E
		SR-113 Junction to Kidwell Road	14	B	17	B	18	B	22	C	18	B	23	C
SR-113	Northbound	Hutchison Drive to Russell Boulevard	8	A	12	B	12	B	17	B	13	B	17	B
		Russell Boulevard to Covell Boulevard	9	A	15	B	13	B	21	C	13	B	21	C
		Covell Boulevard to County Road 29	6	A	13	B	9	A	18	B	9	A	19	C
		County Road 29 to County Road 27	7	A	12	B	10	A	18	B	10	A	19	C

**Table 5-16
Modified Cumulative Peak Hour Freeway Operations**

Route	Direction	Segment	Existing				Modified Cumulative No Project				Modified Cumulative With Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
	Southbound	County Road 27 to County Road 29	17	B	15	B	22	C	18	B	24	C	18	B
		County Road 29 to Covell Boulevard	16	B	16	B	22	C	18	B	22	C	18	B
		Covell Boulevard to Russell Boulevard	18	B	9	A	23	C	16	B	24	C	16	B
		Russell Boulevard to Hutchison Drive	18	B	7	A	26	C	13	B	27	D	14	B

Notes: Delay and LOS is based on 2010 HCM methodology.

**Table 8-25
Existing Plus Mixed-Use Alternative Peak Hour Freeway Operations (Local Study Area)**

Route	Direction	Segment	Existing				Existing Plus Mixed-Use Alternative			
			AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS
I-80	EB	Kidwell Rd. to SR-113 Junction	11	A	11	A	11	A	11	A
		Old Davis Rd. to Richards Blvd.	17	B	18	B	17	B	18	B
		Richards Blvd. to Mace Blvd.	<u>20</u> 21	C	<u>22</u> 26	C	<u>21</u> 22	C	<u>23</u> 27	<u>€</u> D
		Mace Blvd. to Chiles Rd.	<u>25</u> 26	C	<u>26</u> 34	<u>€</u> D	<u>25</u> 27	<u>€</u> D	<u>30</u> 39	<u>Đ</u> E
		Chiles Rd. to Enterprise Blvd.	<u>49</u> 27	<u>€</u> D	<u>24</u> 31	<u>€</u> D	<u>49</u> 27	<u>€</u> D	<u>27</u> 36	<u>Đ</u> E
	WB	Enterprise Blvd. to Chiles Rd.	<u>48</u> 27	<u>Đ</u> D	<u>20</u> 28	<u>€</u> D	<u>24</u> 31	<u>€</u> D	<u>24</u> 34	<u>€</u> D
		Chiles Rd. to Mace Blvd.	<u>47</u> 27	<u>Đ</u> D	<u>21</u> 27	<u>€</u> D	<u>20</u> 32	<u>€</u> D	<u>22</u> 28	<u>€</u> D
		Mace Blvd. to Olive Dr.	25	C	22	C	26	C	24	C
		Richards Blvd. to Old Davis Rd.	17	B	25	C	18	B	26	C
		SR-113 Junction to Kidwell Rd.	14	B	17	B	14	B	18	B
SR-113	NB	Hutchison Dr. to Russell Blvd.	8	A	12	B	8	A	12	B
		Russell Blvd. to Covell Blvd.	9	A	15	B	9	A	15	B
		Covell Blvd. to CR 29	6	A	13	B	7	A	15	B
		CR 29 to CR 27	7	A	12	B	7	A	14	B
	SB	CR 27 to CR 29	17	B	15	B	18	B	16	B
		CR 29 to Covell Blvd.	16	B	16	B	18	B	16	B

**Table 8-25
Existing Plus Mixed-Use Alternative Peak Hour Freeway Operations (Local Study Area)**

Route	Direction	Segment	Existing				Existing Plus Mixed-Use Alternative			
			AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS
		Covell Blvd. to Russell Blvd.	18	B	9	A	19	C	12	B
		Russell Blvd. to Hutchison Dr.	18	B	7	A	19	C	7	A

Note: Delay and LOS is based on 2010 HCM methodology.

**Table 8-35
CEQA Cumulative Plus Mixed-Use Alternative Peak Hour Freeway Operations (Local Study Area)**

Route	Direction	Segment	Existing				CEQA Cumulative No Project				CEQA Cumulative Plus Mixed-Use Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
I-80	EB	Kidwell Rd. to SR-113 Junction	11	A	11	A	16	B	14	B	17	B	15	B
		Old Davis Rd. to Richards Blvd.	17	B	18	B	23	C	28	D	23	C	27	D
		Richards Blvd. to Mace Blvd.	<u>20</u> <u>21</u>	C	<u>22</u> <u>26</u>	C	<u>28</u>	<u>E</u> <u>D</u>	<u>38</u> <u>-</u>	<u>F</u> <u>F</u>	<u>26</u> <u>28</u>	<u>E</u> <u>D</u>	<u>38</u> <u>-</u>	<u>F</u> <u>F</u>
		Mace Blvd. to Chiles Rd.	<u>25</u> <u>26</u>	C	<u>26</u> <u>34</u>	<u>E</u> <u>D</u>	<u>34</u> <u>35</u>	<u>D</u> <u>E</u>	-	F	<u>35</u> <u>37</u>	<u>D</u> <u>E</u>	-	F

Table 8-35
CEQA Cumulative Plus Mixed-Use Alternative Peak Hour Freeway Operations (Local Study Area)

Route	Direction	Segment	Existing				CEQA Cumulative No Project				CEQA Cumulative Plus Mixed-Use Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
	WB	Chiles Rd. to Enterprise Blvd.	<u>4927</u>	<u>CD</u>	<u>2431</u>	<u>CD</u>	<u>2637</u>	<u>CE</u>	-	F	<u>2638</u>	<u>CE</u>	-	F
		Enterprise Blvd. to Chiles Rd.	<u>4827</u>	<u>BD</u>	<u>2028</u>	<u>CD</u>	<u>40</u>	<u>EF</u>	<u>32</u>	<u>DE</u>	-	F	<u>33</u>	<u>DE</u>
		Chiles Rd. to Mace Blvd.	<u>4727</u>	<u>BD</u>	<u>2127</u>	<u>CD</u>	<u>39</u>	<u>EF</u>	<u>2938</u>	<u>DE</u>	-	F	<u>3140</u>	<u>DE</u>
		Mace Blvd. to Olive Dr.	25	C	22	C	-	F	32	D	-	F	31	D
		Richards Blvd. to Old Davis Rd.	17	B	25	C	27	D	42	E	26	C	40	E
		SR-113 Junction to Kidwell Rd.	14	B	17	B	18	B	24	C	18	B	25	C
SR-113	NB	Hutchison Dr. to Russell Blvd.	8	A	12	B	18	B	17	B	18	B	17	B
		Russell Blvd. to Covell Blvd.	9	A	15	B	20	C	22	C	21	C	22	C

Table 8-35
CEQA Cumulative Plus Mixed-Use Alternative Peak Hour Freeway Operations (Local Study Area)

Route	Direction	Segment	Existing				CEQA Cumulative No Project				CEQA Cumulative Plus Mixed-Use Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
		Covell Blvd. to CR 29	6	A	13	B	9	A	19	C	10	A	20	C
		CR 29 to CR 27	7	A	12	B	10	A	23	C	11	A	26	C
	SB	CR 27 to CR 29	17	B	15	B	30	D	19	C	35	D	20	C
		CR 29 to Covell Blvd.	16	B	16	B	24	C	18	B	24	C	20	C
		Covell Blvd. to Russell Blvd.	18	B	9	A	22	C	22	C	23	C	22	C
		Russell Blvd. to Hutchison Dr.	18	B	7	A	26	C	18	B	26	C	18	B

Notes: Delay and LOS is based on 2010 HCM methodology.

Table 8-36
Modified Cumulative Plus Mixed-Use Alternative Peak Hour Freeway Operations (Local Study Area)

Route	Direction	Segment	Existing				Modified Cumulative No Project				Modified Cumulative Plus Mixed-Use Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
I-80	EB	Kidwell Rd. to SR-113 Junction	11	A	11	A	15	B	14	B	15	B	14	B
		Old Davis Rd. to Richards Blvd.	17	B	18	B	22	C	24	C	23	C	24	C
Richards Blvd. to Mace Blvd.		20 <u>21</u>	C	22 <u>26</u>	C	26 <u>27</u>	E <u>D</u>	32 <u>38</u>	D <u>E</u>	26 <u>28</u>	E <u>D</u>	32 <u>38</u>	D <u>E</u>	
Mace Blvd. to Chiles Rd.		25 <u>26</u>	C	26 <u>34</u>	E <u>D</u>	32 <u>34</u>	D	42 <u>-</u>	E <u>F</u>	33 <u>35</u>	D	-	F <u>F</u>	
Chiles Rd. to Enterprise Blvd.		49 <u>27</u>	E <u>D</u>	24 <u>31</u>	E <u>D</u>	24 <u>35</u>	E <u>D</u>	38 <u>-</u>	E <u>F</u>	25 <u>36</u>	E <u>E</u>	41 <u>-</u>	E <u>F</u>	
WB		Enterprise Blvd. to Chiles Rd.	48 <u>27</u>	B <u>D</u>	20 <u>28</u>	E <u>D</u>	28 <u>42</u>	D <u>E</u>	30 <u>44</u>	D <u>E</u>	31 <u>-</u>	D <u>F</u>	31 <u>-</u>	D <u>F</u>
		Chiles Rd. to Mace Blvd.	47 <u>27</u>	B <u>D</u>	21 <u>27</u>	E <u>D</u>	27 <u>44</u>	D <u>E</u>	28 <u>36</u>	D <u>E</u>	30 <u>-</u>	D <u>F</u>	37 <u>-</u>	D <u>E</u>
	Mace Blvd. to Olive Dr.	25	C	22	C	36	E	30	D	36	E	31	D	
	Richards Blvd. to Old Davis Rd.	17	B	25	C	22	C	39	E	22	C	39	E	
	SR-113 Junction to Kidwell Rd.	14	B	17	B	18	B	22	C	18	B	23	C	

Table 8-36
Modified Cumulative Plus Mixed-Use Alternative Peak Hour Freeway Operations (Local Study Area)

Route	Direction	Segment	Existing				Modified Cumulative No Project				Modified Cumulative Plus Mixed-Use Project			
			AM Peak		PM Peak		AM Peak		PM Peak		AM Peak		PM Peak	
			Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS	Density	LOS
SR-113	NB	Hutchison Dr. to Russell Blvd.	8	A	12	B	12	B	17	B	13	B	17	B
		Russell Blvd. to Covell Blvd.	9	A	15	B	13	B	21	C	13	B	21	C
		Covell Blvd. to CR 29	6	A	13	B	9	A	18	B	9	A	19	C
		CR 29 to CR 27	7	A	12	B	10	A	18	B	10	A	19	C
	SB	CR 27 to CR 29	17	B	15	B	22	C	18	B	24	C	18	B
		CR 29 to Covell Blvd.	16	B	16	B	22	C	18	B	22	C	18	B
		Covell Blvd. to Russell Blvd.	18	B	9	A	23	C	16	B	24	C	16	B
		Russell Blvd. to Hutchison Dr.	18	B	7	A	26	C	13	B	27	D	14	B

Notes: Delay and LOS is based on 2010 HCM methodology.

APPENDIX C

FEIR APPENDIX: TRAFFIC AND TRANSPORTATION

LEVEL OF SERVICE CALCULATION SHEETS FOR

MODIFIED CUMULATIVE PLUS PROJECT SCENARIO

MITIGATION MEASURE 5-21(d) – ELIMINATE HIGH SPEED RIGHT TURNS ON MACE BOULEVARD



SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
AM Peak Hour

Intersection 3

Mace Blvd/Chiles Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	30	27	89.6%	43.1	11.6	D
	Through	680	690	101.5%	36.5	8.2	D
	Right Turn	50	53	105.2%	42.0	14.7	D
	Second Right						
	Subtotal	760	770	101.3%	37.2	8.5	D
SB	U Turn						
	Second Left						
	Left Turn	160	151	94.6%	40.6	3.4	D
	Through	290	306	105.5%	21.2	2.2	C
	Right Turn	280	268	95.9%	14.2	2.3	B
	Second Right						
	Subtotal	730	726	99.4%	22.6	1.7	C
EB	U Turn						
	Second Left						
	Left Turn	570	564	99.0%	41.6	4.3	D
	Through	220	214	97.2%	21.0	2.9	C
	Right Turn	190	204	107.1%	5.0	0.6	A
	Second Right						
	Subtotal	980	982	100.2%	29.5	2.8	C
WB	U Turn						
	Second Left						
	Left Turn	20	23	113.3%	47.7	16.8	D
	Through	70	74	106.4%	51.6	11.3	D
	Right Turn	320	328	102.4%	53.5	19.5	D
	Second Right						
	Subtotal	410	425	103.6%	52.8	17.6	D
Total		2,880	2,902	100.7%	33.4	4.9	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
AM Peak Hour

Intersection 4

Mace Blvd/I-80 WB Ramps

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	320	333	103.9%	33.9	2.3	C
	Through	710	702	98.8%	20.6	2.8	C
	Right Turn						
	Second Right						
	Subtotal	1,030	1,034	100.4%	24.8	2.3	C
SB	U Turn						
	Second Left						
	Left Turn						
	Through	1,070	1,046	97.7%	21.5	3.2	C
	Right Turn	160	159	99.1%	11.1	2.0	B
	Second Right						
	Subtotal	1,230	1,204	97.9%	20.1	2.9	C
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn	410	406	98.9%	58.8	19.4	E
	Through	10	9	92.2%	81.2	37.4	F
	Right Turn	1,400	1,377	98.4%	18.2	2.6	B
	Second Right						
	Subtotal	1,820	1,792	98.4%	27.7	4.7	C
Total		4,080	4,030	98.8%	24.7	2.6	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
AM Peak Hour

Intersection 5

Mace Blvd/2nd St-CR 32A

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn Second Left						
	Left Turn	730	730	99.9%	32.2	3.0	C
	Through	1,060	1,023	96.5%	47.0	12.2	D
	Right Turn	320	298	93.1%	60.9	20.3	E
	Second Right						
	Subtotal	2,110	2,050	97.2%	43.9	9.1	D
SB	U Turn Second Left	10	10	99.8%	35.5	16.5	D
	Left Turn	80	81	100.8%	46.0	7.3	D
	Through	800	776	97.1%	35.7	5.0	D
	Right Turn	230	220	95.8%	20.2	3.3	C
	Second Right						
	Subtotal	1,120	1,087	97.1%	33.3	4.2	C
EB	U Turn Second Left	10	7	69.1%	26.9	22.7	C
	Left Turn	70	69	98.2%	41.4	7.3	D
	Through	30	26	88.3%	39.4	13.3	D
	Right Turn	360	353	98.0%	12.8	1.9	B
	Second Right						
	Subtotal	470	455	96.8%	19.0	3.1	B
WB	U Turn Second Left						
	Left Turn	70	62	88.9%	41.2	11.1	D
	Through	70	65	93.3%	38.0	4.6	D
	Right Turn	20	22	111.4%	24.9	5.8	C
	Second Right						
	Subtotal	160	150	93.6%	37.2	6.8	D
Total		3,860	3,742	97.0%	37.5	5.6	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
AM Peak Hour

Intersection 6

Mace Blvd/Alhambra Dr

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	150	141	94.2%	47.9	3.7	D
	Through	440	440	99.9%	34.3	4.8	C
	Right Turn	570	534	93.6%	34.5	8.2	C
	Second Right						
	Subtotal	1,160	1,115	96.1%	36.2	4.7	D
SB	U Turn						
	Second Left						
	Left Turn	510	485	95.1%	44.0	4.5	D
	Through	540	529	98.0%	27.6	2.9	C
	Right Turn	20	19	96.0%	19.4	9.4	B
	Second Right						
	Subtotal	1,070	1,033	96.6%	35.2	2.9	D
EB	U Turn						
	Second Left						
	Left Turn	30	31	102.4%	49.6	13.0	D
	Through	320	327	102.2%	35.7	3.9	D
	Right Turn	460	453	98.4%	25.3	7.1	C
	Second Right						
	Subtotal	810	811	100.1%	30.6	4.9	C
WB	U Turn						
	Second Left						
	Left Turn	120	120	99.8%	53.1	7.2	D
	Through	40	42	105.6%	33.1	11.2	C
	Right Turn	60	61	101.1%	13.1	7.8	B
	Second Right						
	Subtotal	220	223	101.2%	38.6	6.3	D
Total		3,260	3,181	97.6%	34.6	2.4	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
AM Peak Hour

Intersection 103

I-80 EB Off-Ramp/Chiles Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
SB	U Turn						
	Second Left						
	Left Turn	540	568	105.2%	6.6	1.3	A
	Through						
	Right Turn	160	164	102.5%	4.4	0.8	A
	Second Right						
	Subtotal	700	732	104.6%	6.1	1.1	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through	440	427	97.0%	17.2	2.2	B
	Right Turn						
	Second Right						
	Subtotal	440	427	97.0%	17.2	2.2	B
WB	U Turn						
	Second Left						
	Left Turn						
	Through	380	374	98.4%	15.2	2.0	B
	Right Turn						
	Second Right						
	Subtotal	380	374	98.4%	15.2	2.0	B
Total		1,520	1,533	100.9%	11.4	1.1	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
AM Peak Hour

Intersection 104

Mace Blvd/I-80 EB Ramps

Uncontrolled

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through	1,030	1,043	101.2%	1.1	0.1	A
	Right Turn	540	535	99.1%	2.0	0.2	A
	Second Right						
	Subtotal	1,570	1,577	100.5%	1.4	0.1	A
SB	U Turn						
	Second Left						
	Left Turn						
	Through	1,480	1,453	98.2%	2.8	0.4	A
	Right Turn						
	Second Right						
	Subtotal	1,480	1,453	98.2%	2.8	0.4	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
Total		3,050	3,031	99.4%	2.1	0.2	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
PM Peak Hour

Intersection 3

Mace Blvd/Chiles Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	20	17	84.5%	55.9	18.8	E
	Through	750	755	100.7%	38.3	8.2	D
	Right Turn	90	89	98.6%	38.4	11.1	D
	Second Right						
	Subtotal	860	861	100.1%	38.7	8.1	D
SB	U Turn						
	Second Left						
	Left Turn	230	203	88.3%	72.4	17.9	E
	Through	660	610	92.4%	21.0	4.1	C
	Right Turn	260	241	92.6%	16.4	4.2	B
	Second Right						
	Subtotal	1,150	1,054	91.6%	30.1	6.9	C
EB	U Turn						
	Second Left						
	Left Turn	630	634	100.6%	57.8	8.8	E
	Through	260	265	101.8%	32.3	3.8	C
	Right Turn	180	199	110.3%	8.1	1.2	A
	Second Right						
	Subtotal	1,070	1,097	102.5%	42.8	6.1	D
WB	U Turn						
	Second Left						
	Left Turn	50	56	111.4%	50.0	14.4	D
	Through	50	53	105.2%	52.9	13.4	D
	Right Turn	330	326	98.7%	51.3	14.8	D
	Second Right						
	Subtotal	430	434	100.9%	51.8	13.2	D
Total		3,510	3,445	98.2%	39.1	4.1	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
PM Peak Hour

Intersection 4

Mace Blvd/I-80 WB Ramps

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	530	508	95.9%	65.6	20.3	E
	Through	620	624	100.6%	14.6	3.3	B
	Right Turn						
	Second Right						
	Subtotal	1,150	1,132	98.5%	37.6	10.8	D
SB	U Turn						
	Second Left						
	Left Turn						
	Through	1,720	1,524	88.6%	57.8	11.0	E
	Right Turn	270	243	90.2%	53.0	11.5	D
	Second Right						
	Subtotal	1,990	1,768	88.8%	57.2	11.1	E
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn	490	439	89.5%	98.7	25.8	F
	Through	10	7	69.1%	130.2	63.7	F
	Right Turn	920	951	103.3%	18.3	4.8	B
	Second Right						
	Subtotal	1,420	1,396	98.3%	44.3	7.8	D
Total		4,560	4,296	94.2%	47.8	4.8	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
PM Peak Hour

Intersection 5

Mace Blvd/2nd St-CR 32A

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn Second Left						
	Left Turn	560	498	88.9%	114.0	34.5	F
	Through	860	887	103.1%	28.9	2.7	C
	Right Turn	120	119	98.9%	26.2	5.5	C
	Second Right						
	Subtotal	1,540	1,503	97.6%	57.1	12.2	E
SB	U Turn Second Left	10	6	61.4%	64.1	40.7	E
	Left Turn	80	72	89.8%	91.0	15.8	F
	Through	960	826	86.0%	100.0	21.9	F
	Right Turn	180	153	85.1%	72.8	20.8	E
	Second Right						
	Subtotal	1,230	1,057	85.9%	95.4	21.3	F
EB	U Turn Second Left	40	41	102.7%	64.7	29.5	E
	Left Turn	270	249	92.3%	64.2	26.2	E
	Through	150	153	101.9%	63.8	18.0	E
	Right Turn	740	716	96.7%	49.0	14.4	D
	Second Right						
	Subtotal	1,200	1,159	96.6%	55.2	13.6	E
WB	U Turn Second Left						
	Left Turn	290	259	89.2%	104.6	78.5	F
	Through	40	43	108.5%	72.9	62.0	E
	Right Turn	70	56	80.1%	49.6	66.0	D
	Second Right						
	Subtotal	400	358	89.6%	91.9	73.5	F
Total		4,370	4,077	93.3%	68.8	8.7	E

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
PM Peak Hour

Intersection 6

Mace Blvd/Alhambra Dr

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	420	413	98.4%	69.6	13.1	E
	Through	670	658	98.2%	36.8	5.2	D
	Right Turn	120	117	97.3%	10.2	1.2	B
	Second Right						
	Subtotal	1,210	1,188	98.2%	45.4	4.0	D
SB	U Turn						
	Second Left						
	Left Turn	160	147	91.9%	49.4	7.7	D
	Through	470	450	95.8%	54.0	18.6	D
	Right Turn	10	7	73.0%	45.9	38.1	D
	Second Right						
	Subtotal	640	605	94.5%	52.8	15.4	D
EB	U Turn						
	Second Left						
	Left Turn	20	19	96.0%	58.8	17.3	E
	Through	40	38	96.0%	44.2	14.7	D
	Right Turn	240	220	91.8%	46.8	59.6	D
	Second Right						
	Subtotal	300	278	92.7%	46.9	47.5	D
WB	U Turn						
	Second Left						
	Left Turn	520	464	89.3%	75.1	22.1	E
	Through	270	258	95.6%	27.4	5.5	C
	Right Turn	220	200	90.9%	20.9	5.5	C
	Second Right						
	Subtotal	1,010	922	91.3%	50.2	10.5	D
Total		3,160	2,993	94.7%	47.6	7.1	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
PM Peak Hour

Intersection 103

I-80 EB Off-Ramp/Chiles Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
SB	U Turn						
	Second Left						
	Left Turn	430	438	101.8%	8.6	0.5	A
	Through						
	Right Turn	240	259	107.8%	5.6	0.6	A
	Second Right						
	Subtotal	670	697	104.0%	7.5	0.5	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through	640	658	102.8%	37.4	10.0	D
	Right Turn						
	Second Right						
	Subtotal	640	658	102.8%	37.4	10.0	D
WB	U Turn						
	Second Left						
	Left Turn						
	Through	330	310	94.0%	10.9	1.7	B
	Right Turn						
	Second Right						
	Subtotal	330	310	94.0%	10.9	1.7	B
Total		1,640	1,665	101.5%	19.9	3.8	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P - Mitigation 5
PM Peak Hour

Intersection 104

Mace Blvd/I-80 EB Ramps

Uncontrolled

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through	1,150	1,147	99.7%	1.8	1.2	A
	Right Turn	560	550	98.2%	2.5	0.3	A
	Second Right						
	Subtotal	1,710	1,697	99.2%	2.0	0.8	A
SB	U Turn						
	Second Left						
	Left Turn						
	Through	2,210	1,958	88.6%	3.6	0.2	A
	Right Turn						
	Second Right						
	Subtotal	2,210	1,958	88.6%	3.6	0.2	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
Total		3,920	3,655	93.2%	2.9	0.5	A

FEIR APPENDIX: TRAFFIC AND TRANSPORTATION

LEVEL OF SERVICE CALCULATION SHEETS FOR

MODIFIED CUMULATIVE PLUS MIXED-USE ALTERNATIVE

MITIGATION MEASURE 8-108(c) – ELIMINATE HIGH SPEED RIGHT TURNS ON MACE BOULEVARD



SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed Use - Mitigation 2
AM Peak Hour

Intersection 3

Mace Blvd/Chiles Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn Second Left						
	Left Turn	30	26	85.8%	57.3	12.7	E
	Through	710	713	100.4%	41.3	8.6	D
	Right Turn	80	73	91.7%	39.5	10.8	D
	Second Right						
	Subtotal	820	812	99.0%	41.6	8.4	D
SB	U Turn Second Left						
	Left Turn	180	187	103.9%	49.3	6.9	D
	Through	350	334	95.3%	22.7	3.7	C
	Right Turn	300	303	101.1%	15.0	3.6	B
	Second Right						
	Subtotal	830	824	99.3%	25.9	3.5	C
EB	U Turn Second Left						
	Left Turn	560	542	96.8%	39.6	4.3	D
	Through	190	174	91.8%	22.8	4.0	C
	Right Turn	210	191	91.1%	5.1	0.8	A
	Second Right						
	Subtotal	960	908	94.6%	29.2	3.4	C
WB	U Turn Second Left						
	Left Turn	20	20	97.9%	39.2	7.7	D
	Through	70	79	112.5%	40.5	9.5	D
	Right Turn	330	333	100.8%	32.2	11.3	C
	Second Right						
	Subtotal	420	431	102.6%	34.1	10.0	C
Total		3,030	2,974	98.2%	32.4	4.0	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed Use - Mitigation 2
AM Peak Hour

Intersection 4

Mace Blvd/I-80 WB Ramps

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	360	361	100.4%	35.8	4.1	D
	Through	710	730	102.8%	17.2	3.0	B
	Right Turn						
	Second Right						
	Subtotal	1,070	1,091	102.0%	23.5	2.3	C
SB	U Turn						
	Second Left						
	Left Turn						
	Through	1,140	1,141	100.1%	23.8	3.2	C
	Right Turn	170	166	97.6%	13.0	1.8	B
	Second Right						
	Subtotal	1,310	1,307	99.8%	22.4	3.1	C
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn	440	416	94.6%	54.9	17.5	D
	Through	10	14	138.2%	71.3	30.6	E
	Right Turn	1,120	1,096	97.9%	16.8	2.0	B
	Second Right						
	Subtotal	1,570	1,526	97.2%	27.7	4.8	C
Total		3,950	3,924	99.4%	24.8	2.4	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed Use - Mitigation 2
AM Peak Hour

Intersection 5

Mace Blvd/2nd St-CR 32A

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	700	701	100.1%	31.2	2.1	C
	Through	970	958	98.7%	16.3	2.2	B
	Right Turn	160	150	93.6%	14.9	2.9	B
	Second Right						
	Subtotal	1,830	1,808	98.8%	22.0	1.7	C
SB	U Turn	10	10	99.8%	45.2	22.1	D
	Second Left						
	Left Turn	60	57	95.4%	47.6	6.1	D
	Through	920	905	98.4%	61.0	14.6	E
	Right Turn	280	257	91.6%	42.9	12.5	D
	Second Right						
	Subtotal	1,270	1,229	96.8%	56.6	13.4	E
EB	U Turn	10	10	96.0%	50.7	28.9	D
	Second Left						
	Left Turn	60	57	95.4%	41.4	8.6	D
	Through	30	26	85.8%	36.5	13.3	D
	Right Turn	340	334	98.1%	13.9	2.4	B
	Second Right						
	Subtotal	440	426	96.9%	20.0	3.2	B
WB	U Turn						
	Second Left						
	Left Turn	50	47	94.5%	42.8	12.4	D
	Through	70	71	100.9%	41.9	5.3	D
	Right Turn	20	20	99.8%	20.8	7.8	C
	Second Right						
	Subtotal	140	138	98.5%	39.2	5.4	D
Total		3,680	3,601	97.9%	34.2	5.3	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed Use - Mitigation 2
AM Peak Hour

Intersection 6

Mace Blvd/Alhambra Dr

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	230	230	99.8%	45.0	7.6	D
	Through	620	610	98.4%	29.7	7.5	C
	Right Turn	210	207	98.4%	9.8	1.2	A
	Second Right						
	Subtotal	1,060	1,046	98.7%	29.4	3.5	C
SB	U Turn						
	Second Left						
	Left Turn	180	165	91.7%	54.1	4.2	D
	Through	690	687	99.6%	39.5	10.0	D
	Right Turn	20	25	122.9%	48.9	16.0	D
	Second Right						
	Subtotal	890	877	98.5%	42.5	8.4	D
EB	U Turn						
	Second Left						
	Left Turn	20	22	109.4%	52.4	8.8	D
	Through	210	207	98.7%	31.9	6.9	C
	Right Turn	480	468	97.5%	28.3	14.1	C
	Second Right						
	Subtotal	710	697	98.2%	30.3	11.4	C
WB	U Turn						
	Second Left						
	Left Turn	100	95	95.2%	49.7	14.5	D
	Through	70	75	107.0%	25.6	7.7	C
	Right Turn	50	61	121.3%	12.7	6.3	B
	Second Right						
	Subtotal	220	231	104.9%	32.4	6.5	C
Total		2,880	2,851	99.0%	34.0	5.8	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed Use - Mitigation 2
AM Peak Hour

Intersection 103

I-80 EB Off-Ramp/Chiles Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
SB	U Turn						
	Second Left						
	Left Turn	510	492	96.4%	6.0	0.7	A
	Through						
	Right Turn	140	143	102.3%	4.6	0.9	A
	Second Right						
	Subtotal	650	635	97.7%	5.7	0.6	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through	450	422	93.8%	15.2	3.7	B
	Right Turn						
	Second Right						
	Subtotal	450	422	93.8%	15.2	3.7	B
WB	U Turn						
	Second Left						
	Left Turn						
	Through	400	404	101.0%	15.2	2.9	B
	Right Turn						
	Second Right						
	Subtotal	400	404	101.0%	15.2	2.9	B
Total		1,500	1,461	97.4%	11.0	1.5	B

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed Use - Mitigation 2
AM Peak Hour

Intersection 104

Mace Blvd/I-80 EB Slip Ramp

Uncontrolled

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through	1,070	1,088	101.7%	1.1	0.1	A
	Right Turn	530	509	96.1%	2.1	0.3	A
	Second Right						
	Subtotal	1,600	1,597	99.8%	1.4	0.2	A
SB	U Turn						
	Second Left						
	Left Turn						
	Through	1,580	1,544	97.7%	3.0	0.2	A
	Right Turn						
	Second Right						
	Subtotal	1,580	1,544	97.7%	3.0	0.2	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
Total		3,180	3,142	98.8%	2.2	0.1	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed Use - Mitigation 2
AM Peak Hour

Intersection 105

Mace Blvd/I-80 EB Loop Ramp

Uncontrolled

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn	1,600	1,592	99.5%	2.2	0.1	A
	Second Left						
	Left Turn						
	Through						
	Right Turn						
Second Right							
	Subtotal	1,600	1,592	99.5%	2.2	0.1	A
SB	U Turn	830	832	100.3%	2.0	1.1	A
	Second Left						
	Left Turn						
	Through						
	Right Turn						
Second Right							
	Subtotal	1,580	1,543	97.7%	2.4	0.6	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
Second Right							
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
Second Right							
	Subtotal						
Total		3,180	3,135	98.6%	2.3	0.3	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed Use - Mitigation 2
AM Peak Hour

Intersection 205

Mace Blvd/MRIC Driveway 2

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through	640	641	100.2%	7.7	1.1	A
	Right Turn	50	61	122.9%	7.3	2.0	A
	Second Right						
	Subtotal	690	703	101.8%	7.7	1.1	A
SB	U Turn						
	Second Left						
	Left Turn						
	Through	890	877	98.5%	1.7	1.0	A
	Right Turn						
	Second Right						
	Subtotal	890	877	98.5%	1.7	1.0	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn	20	17	84.5%	8.4	4.9	A
	Second Right						
	Subtotal	20	17	84.5%	8.4	4.9	A
Total		1,600	1,596	99.8%	4.4	0.6	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed-Use - Mitigation 2
PM Peak Hour

Intersection 3

Mace Blvd/Chiles Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn Second Left						
	Left Turn	20	18	92.2%	57.3	14.6	E
	Through	770	779	101.1%	46.1	11.6	D
	Right Turn	90	97	107.5%	50.5	15.2	D
	Second Right						
	Subtotal	880	894	101.6%	46.8	11.8	D
SB	U Turn Second Left						
	Left Turn	230	222	96.3%	68.1	20.2	E
	Through	680	667	98.1%	26.2	5.4	C
	Right Turn	270	268	99.1%	22.3	6.2	C
	Second Right						
	Subtotal	1,180	1,156	98.0%	33.5	8.0	C
EB	U Turn Second Left						
	Left Turn	650	623	95.8%	64.1	13.4	E
	Through	260	247	95.0%	32.1	1.8	C
	Right Turn	170	167	98.5%	8.3	1.5	A
	Second Right						
	Subtotal	1,080	1,037	96.0%	47.7	8.6	D
WB	U Turn Second Left						
	Left Turn	50	53	106.0%	57.8	22.5	E
	Through	50	53	106.0%	57.5	27.2	E
	Right Turn	340	321	94.5%	56.0	33.0	E
	Second Right						
	Subtotal	440	427	97.1%	56.3	30.4	E
Total		3,580	3,515	98.2%	43.9	7.2	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed-Use - Mitigation 2
PM Peak Hour

Intersection 4

Mace Blvd/I-80 WB Ramps

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	490	488	99.5%	53.2	11.2	D
	Through	690	657	95.2%	13.8	2.0	B
	Right Turn						
	Second Right						
	Subtotal	1,180	1,145	97.0%	30.7	5.2	C
SB	U Turn						
	Second Left						
	Left Turn						
	Through	1,580	1,540	97.5%	40.4	9.3	D
	Right Turn	260	254	97.6%	33.4	12.6	C
	Second Right						
	Subtotal	1,840	1,794	97.5%	39.4	9.8	D
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn	500	444	88.8%	121.0	35.3	F
	Through	10	9	88.3%	147.8	68.9	F
	Right Turn	890	917	103.1%	18.2	3.5	B
	Second Right						
	Subtotal	1,400	1,370	97.9%	52.3	12.0	D
Total		4,420	4,308	97.5%	41.2	7.1	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed-Use - Mitigation 2
PM Peak Hour

Intersection 5

Mace Blvd/2nd St-CR 32A

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	550	498	90.5%	82.3	18.2	F
	Through	940	944	100.5%	28.2	3.2	C
	Right Turn	90	96	106.2%	24.4	6.1	C
	Second Right						
	Subtotal	1,580	1,538	97.3%	45.6	6.3	D
SB	U Turn	10	10	99.8%	45.0	27.0	D
	Second Left						
	Left Turn	80	79	98.4%	59.9	15.1	E
	Through	930	936	100.7%	56.5	11.0	E
	Right Turn	180	170	94.7%	31.5	10.6	C
	Second Right						
	Subtotal	1,200	1,195	99.6%	53.1	10.8	D
EB	U Turn	40	30	75.8%	99.3	47.1	F
	Second Left						
	Left Turn	320	297	92.9%	99.1	40.5	F
	Through	150	153	101.9%	49.5	9.7	D
	Right Turn	740	732	98.9%	32.3	5.8	C
	Second Right						
	Subtotal	1,250	1,212	97.0%	51.9	10.3	D
WB	U Turn						
	Second Left						
	Left Turn	170	169	99.6%	46.9	9.2	D
	Through	40	38	96.0%	57.3	9.9	E
	Right Turn	70	65	92.7%	24.7	4.1	C
	Second Right						
	Subtotal	280	273	97.4%	42.9	5.9	D
Total		4,310	4,218	97.9%	49.3	5.8	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed-Use - Mitigation 2
PM Peak Hour

Intersection 6

Mace Blvd/Alhambra Dr

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn	490	466	95.1%	53.3	4.2	D
	Through	780	754	96.6%	29.7	5.5	C
	Right Turn	70	68	97.6%	7.9	1.4	A
	Second Right						
	Subtotal	1,340	1,288	96.1%	37.0	3.6	D
SB	U Turn						
	Second Left						
	Left Turn	90	89	98.6%	50.7	5.9	D
	Through	630	641	101.8%	40.0	4.1	D
	Right Turn	20	23	113.3%	34.0	4.6	C
	Second Right						
	Subtotal	740	753	101.7%	41.2	3.4	D
EB	U Turn						
	Second Left						
	Left Turn	20	23	115.2%	64.4	16.6	E
	Through	40	38	94.1%	33.4	10.1	C
	Right Turn	330	340	103.1%	23.5	4.3	C
	Second Right						
	Subtotal	390	401	102.8%	26.9	3.2	C
WB	U Turn						
	Second Left						
	Left Turn	240	244	101.8%	48.7	8.0	D
	Through	150	143	95.2%	30.9	5.4	C
	Right Turn	160	166	103.9%	22.2	2.6	C
	Second Right						
	Subtotal	550	553	100.6%	36.2	3.6	D
Total		3,020	2,995	99.2%	36.6	2.0	D

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed-Use - Mitigation 2
PM Peak Hour

Intersection 103

I-80 EB Off-Ramp/Chiles Rd

Signal

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
SB	U Turn						
	Second Left						
	Left Turn	430	402	93.4%	9.0	3.1	A
	Through						
	Right Turn	240	238	99.0%	6.1	1.0	A
	Second Right						
	Subtotal	670	639	95.4%	8.0	2.2	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through	650	660	101.5%	39.8	21.3	D
	Right Turn						
	Second Right						
	Subtotal	650	660	101.5%	39.8	21.3	D
WB	U Turn						
	Second Left						
	Left Turn						
	Through	340	339	99.8%	10.9	2.0	B
	Right Turn						
	Second Right						
	Subtotal	340	339	99.8%	10.9	2.0	B
Total		1,660	1,639	98.7%	21.4	8.8	C

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed-Use - Mitigation 2
PM Peak Hour

Intersection 104

Mace Blvd/I-80 EB Slip Ramp

Uncontrolled

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through	1,180	1,145	97.1%	1.3	0.2	A
	Right Turn	580	573	98.8%	2.5	0.3	A
	Second Right						
	Subtotal	1,760	1,719	97.7%	1.7	0.2	A
SB	U Turn						
	Second Left						
	Left Turn						
	Through	2,080	1,984	95.4%	3.9	1.0	A
	Right Turn						
	Second Right						
	Subtotal	2,080	1,984	95.4%	3.9	1.0	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
Total		3,840	3,703	96.4%	2.9	0.6	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed-Use - Mitigation 2
PM Peak Hour

Intersection 105

Mace Blvd/I-80 EB Loop Ramp

Uncontrolled

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through	1,760	1,719	97.7%	2.4	0.2	A
	Right Turn						
	Second Right						
	Subtotal	1,760	1,719	97.7%	2.4	0.2	A
SB	U Turn						
	Second Left						
	Left Turn						
	Through	1,180	1,157	98.0%	4.9	3.9	A
	Right Turn	900	829	92.1%	3.7	0.3	A
	Second Right						
	Subtotal	2,080	1,986	95.5%	4.4	2.4	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
Total		3,840	3,705	96.5%	3.5	1.3	A

SimTraffic Post-Processor
Average Results from 10 Runs
Volume and Delay by Movement

Mace Ranch IC
Modified C+P Mixed-Use - Mitigation 2
PM Peak Hour

Intersection 205

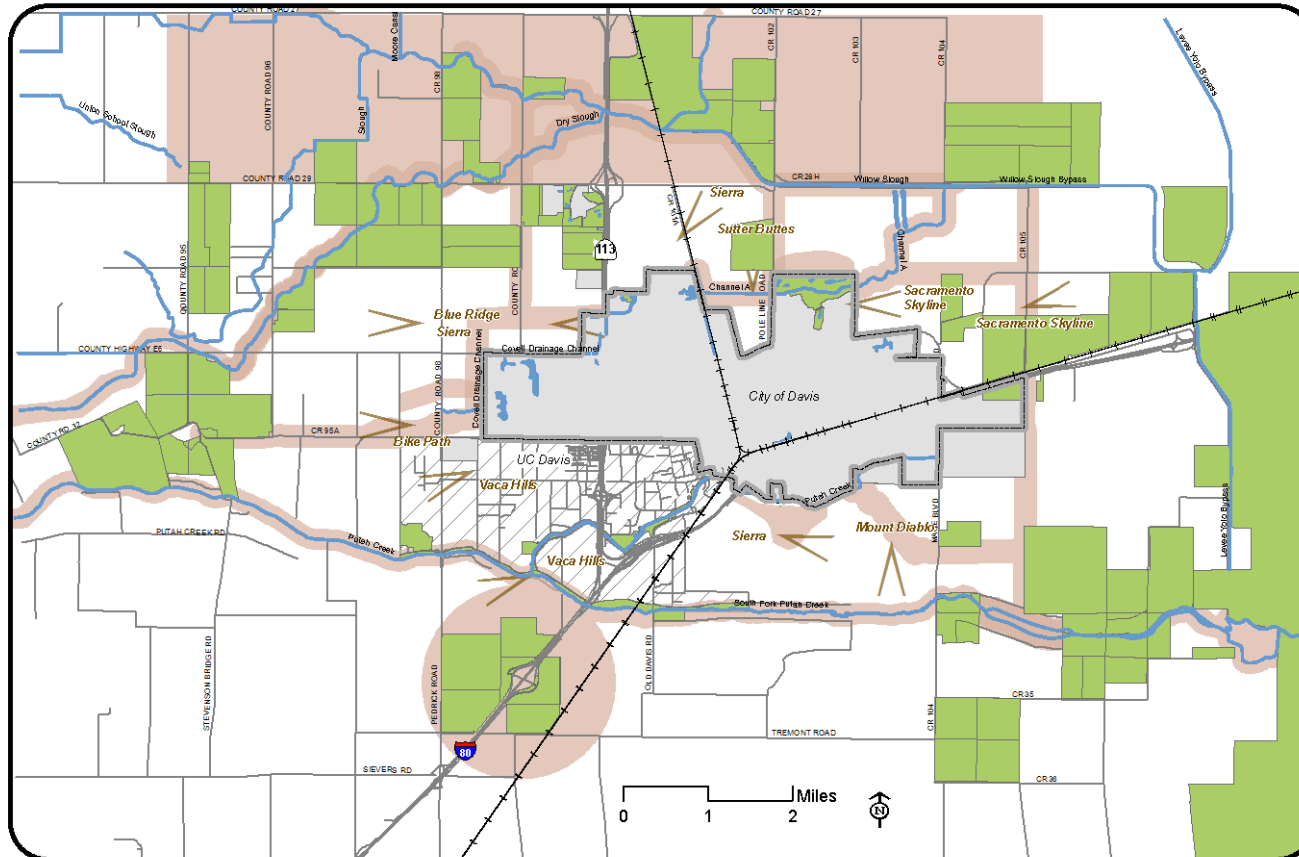
Mace Blvd/MRIC Driveway 2

Side-street Stop

Direction	Movement	Demand Volume (vph)	Served Volume (vph)		Total Delay (sec/veh)		
			Average	Percent	Average	Std. Dev.	LOS
NB	U Turn						
	Second Left						
	Left Turn						
	Through	930	907	97.5%	10.6	1.6	B
	Right Turn	30	37	122.9%	9.0	1.9	A
	Second Right						
	Subtotal	960	944	98.3%	10.5	1.6	B
SB	U Turn						
	Second Left						
	Left Turn						
	Through	740	747	100.9%	1.0	0.3	A
	Right Turn						
	Second Right						
	Subtotal	740	747	100.9%	1.0	0.3	A
EB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn						
	Second Right						
	Subtotal						
WB	U Turn						
	Second Left						
	Left Turn						
	Through						
	Right Turn	50	50	99.8%	25.8	11.4	D
	Second Right						
	Subtotal	50	50	99.8%	25.8	11.4	D
Total		1,750	1,741	99.5%	6.9	1.2	A

APPENDIX D

Figure 5



Open Space Priorities with Public Lands as of 2013

Priority Areas From:
Davis City Council Priority Areas, 2004
Davis Greenway Plan 1989

Priority Areas
Public Lands and Easements

APPENDIX E

Cottle Transit Village: Dense Mixed Use in San Jose

By **Kathleen McCormick**
September 25, 2015



The Blossom Hill Caltrain Station, with a pedestrian bridge funded by HGST, links downtown San Jose and the Bay Area with the data storage technology company's workplace campus and the developing Cottle Transit Village. (Ken Kay Associates)



As San Jose's first and Silicon Valley's largest mixed-use transit-oriented development, Cottle Transit Village includes nearly 3,000 homes, many at TOD densities near the transit stations. (Ken Kay Associates)

The development of Cottle Transit Village—San Jose, California's first and Silicon Valley's largest mixed-use transit-oriented infill site—is well underway after a long Great Recession-led hiatus. Located 15 miles (24 km) south of the city center on a development "island" formed by Cottle Road, Monterey Highway, State Route 85, and the triangulation of three rail transit stations, Cottle Transit Village comprises two new retail/commercial centers, green infrastructure with parks, a bike trail, sports fields, and more than 3,000 homes sprouting up in new neighborhoods next to the HGST campus.

The consolidation of this bucolic former IBM campus—now owned by HGST, a data storage technology company—is being viewed as a value-added model for "rightsizing" an industrial site and reentitling its excess land to create a dense urban village in a largely suburban city that has become a development focus for the fast-changing San Francisco Bay area. Early successes include more efficient land use, greener buildings, retention of manufacturing jobs, and a needed mix of housing, services, and recreation—all linked to transit.



The Cottle Transit Village master plan by San Francisco-based Ken Kay Associates "rightsized" HGST's campus to half the acreage; wrapped it in a green apron of open space, parks, and trails; and created a walkable/bikable village with three residential neighborhoods and two commercial centers linked to three transit stations. (Ken Kay Associates)

Cottle Transit Village is "definitely our first foray into transit-oriented mixed use in a very substantive way," says Nanci Klein, San Jose's deputy director of economic development and director of real estate. "San Jose is a city that has been suburban and

sprawling, and we want to move to being a comfortable urban environment. We're aspiring to be a place that has great walkable places, parks and trails, and connections to transit."

Since the recession, the region's growth has centered on San Jose, along with San Francisco and Oakland. With more than 1 million residents, San Jose is now the largest city in the nine-county Bay Area, the third-largest city in California, and tenth largest in the United States. Its downtown is considered the unofficial capital of thriving Silicon Valley. Spanning 180 square miles (466 sq km), this affluent city—whose average household income exceeds \$100,000—is expected to have 400,000 new residents by 2040. Freeway congestion, along with demand for new housing, has migrated from northern Silicon Valley and San Francisco, prompting San Jose to shape its own growth around dense urban villages.

From Hard Drives to Streetscapes



(Ken Kay Associates)

In 1956, IBM developed the site as its iconic first West Coast campus for manufacturing the world's first hard disc drives. At its peak, Big Blue employed 13,000 there. In 2002, Hitachi Global Storage Technologies (now called HGST, a wholly owned subsidiary of Western Digital [WD] Corporation) acquired the site when it purchased IBM's hard drive-related land and production facilities. HGST began assessing how best to use the IBM facilities within the framework of its existing business portfolio. It concluded that the site was too large for its needs, and that consolidating operations would be wise.

In 2003, the company hired Ken Kay Associates of San Francisco to evaluate the property for rightsizing 332 acres (134 ha) of the campus and to identify value-creating uses for the remaining land. The urban design and planning firm worked with HGST to optimize the campus size and take advantage of its proximity to transit—the Blossom Hill Caltrain station and the Santa Clara Valley Transportation Authority's Cottle and Santa Teresa light-rail stations. The goals for HGST and the city of San Jose were to leverage the city's new transit-related infill redevelopment policies and to keep HGST's

2,000 jobs—including many in manufacturing. The initiative focused on how to convert an industrial park into a livable workplace and village.

Ken Kay Associates advised HGST to consolidate its workplace on 160 acres (65 ha); led a planning process in collaboration with the city, civic organizations, and local residents; and created a master plan for developing the remaining 172 acres (70 ha) into a mixed-use transit village. In 2005, San Jose's city council approved the plan, which called for 2,930 homes, 460,000 square feet (43,000 sq m) of retail and commercial space, and 17 acres (7 ha) of parks and open space. The city also allowed HGST to consolidate its operations on half the campus and keep its building capacity of 3.6 million square feet (334,000 sq m) for research and production. Municipal zoning was changed from industrial to mixed-use/residential planned development throughout the transit village acreage.

Developing the Urban Village



The village's green infrastructure includes Charlotte Commons (right) and three miles (5 km) of walkable streetscapes, a five-mile (8 km) multiuse path, and greenways, parks, and sports fields; on the right are the village's first developed homes. Starbucks (below) is a draw at the Village Oaks retail center, anchored by Target and Safeway. (Ken Kay Associates)

The plan allowed HGST to focus on establishing its brand and growing its business, with support from the sale of development-ready mixed-use land. Since 2006, the company has sold all seven parcels of village land, the majority of which is either completed or in late-stage development. One of HGST's first challenges occurred when the original developer defaulted on its purchase agreement during the recession. HGST took on the role of master developer, engaging a broker for the land sales and constructing the village's streets, sewers, utilities, parks, and open space. It also funded the construction of a \$2 million pedestrian bridge linking the village and campus to the adjacent Caltrain station.

Ken Kay Associates designed and oversaw the construction of the village's green infrastructure—three miles (4.8 km) of walkable streetscapes, a five-mile (8 km) multiuse path, greenways, the 10.6-acre (4.3 ha) RAMAC Park with lighted sports fields, the 5.5-acre (2.2 ha) Raleigh Liner Green, and one-acre (0.4 ha) Charlotte Commons. Completed in 2008, the infrastructure forms a “green apron” that wraps around the HGST campus and provides ten-minute pedestrian and five-minute bicycle connections to transit stations, as well as a buffer and screen for HGST's manufacturing operations.



(Ken Kay Associates)

The firm then advised HGST and real estate professionals on transit village land use strategies and helped the city evaluate proposals. Sales and development of parcels began as the economy bounced back. In 2010, St. Anton Partners of Sacramento, California, purchased the first parcel to build apartments and townhouses on Charlotte Commons; they were completed in July 2014. Village Oaks, the 325,000-square-foot (30,000 sq m) Target- and Safeway-anchored retail/commercial center, developed by Hunter Storm of Cupertino, California, and San Francisco-based joint venture partner PCCP, opened in 2014. Four developers, including Miami-based Lennar, are building residences ranging from affordable apartments to single-family homes costing \$1 million or more.

In 2014, San Jose's city council approved the Great Oaks Master Plan for 76 additional acres (31 ha) between Great Oaks Boulevard and State Route 85 owned by New York-based iStar Financial. The plan by Ken Kay Associates integrated this final piece of the development island with the village's existing street and greenway system. Again, the city rezoned the land from industrial to mixed-use planned development. Hunter Storm and iStar are developing a commercial center with a Costco, other retail space, and flexible office/research and development space, with a residential neighborhood to follow.

Cottle Transit Village "is an ideal urban village that just needed to be completed," says Edward Storm, board chairman of Hunter Properties, the parent company of Hunter Storm. "We knew that by completing this village we'd provide ridership for public transit, support for job retention, and then taxes and commercial support would follow."

HGST Campus Evolution



(DGA)

HGST demolished 1.3 million square feet (121,000 sq m) of buildings and infrastructure on the village portion and recently began focusing on renovating its campus to address evolving needs in a changing market and to retain some historic elements without compromising future use. Working with Ken Kay Associates, HGST is exploring the preservation of the historic greenbelt pedestrian spine and planning a new campus with taller, greener buildings. HGST is going vertical with a four-story, 122,000-square-foot (11,300 sq m) administration building designed by Gensler that is slated to achieve Leadership in Energy and Environmental Design (LEED) Silver certification. Mountain View, California–based DGA architects and planners designed a two-story, 102,000-square-foot (9,500 sq m) LEED Silver–certified engineering development building. Sunnyvale, California–based Level 10 Construction is building both, with completion scheduled for July 2016.



The HGST campus is growing taller and greener with new buildings: DGA Architects' 102,000-square-foot (9,500 sq m) E1 engineering development building (above) and Gensler's 122,000-square-foot (11,300 sq m) administration building (right). Both are aiming for LEED-Silver certification and 2016 completion. (Gensler)

As Western Digital has acquired other companies and technology and the number of campus employees has grown to 2,200, HGST has focused on creating “flexible, agile work environments for growth and change that will allow us to be a productive and competitive employer in the valley,” says George Horvath, the company’s vice president of global real estate and site operations. The site’s master plan calls for having as many as 3,000 more employees on the campus, so intensified development is in the mix.

Many cities in the region are averse to converting land for mixed-use employment campuses, says Ken Kay, president of Ken Kay Associates. But, he says, “employers and employees both want denser, more urban, integrated mixed-use environments and do not want to be in a business park. Office space now has to fit more people on less site, which also responds to the trend that workspaces are becoming smaller as demand for space increases.”

San Jose's Urban Villages Plan



HGST and Ken Kay Associates are redesigning the HGST campus to introduce taller and denser buildings while preserving iconic features, such as this sculpture fountain, from the historic IBM campus. (Ken Kay Associates)

Cottle Transit Village's densities range from 20 to 60 units per acre (49 to 148 units per ha)—far greater than San Jose's typical 12 units per acre (30 units per ha) outside downtown. During the recession, some homebuilders wanted to downzone the number of units and build inexpensive single-family houses and townhouses. Ken Kay Associates and the city helped developers understand the need for higher density to create a lively urban place and to support transit. "In the end, the areas closest to transit are being built out at TOD densities of 60 units per acre," says Kay.

The transit location is key. Cottle Transit Village and HGST benefit from connections to expanding regional transportation infrastructure: their Caltrain connects with downtown San Jose's historic Diridon Station, a multimodal hub linked to San Jose International Airport, Amtrak, and local and regional bus service. Diridon Station also is a planned stop for the San Jose BART extension and the California High-Speed Rail, which is anticipated by 2029 to run from San Francisco to the Los Angeles basin in under three hours.



(Ken Kay Associates)

Greater density also helps the city's bottom line, says Klein. Because California's Proposition 13 limits property taxation, housing alone is a drain on the general fund, which pays for public services. Residential development of 40 to 60 dwelling units per acre (98 to 149 units per ha) "just breaks even—even with mixed uses and retail."

The Envision San Jose 2040 General Plan calls for as many as 70 “active, walkable, bicycle-friendly, transit-oriented, mixed-use urban settings” for new housing, and job growth for an innovative workforce. City officials say that urban villages are needed for the 400,000 new residents the Association of Bay Area Governments regional planning agency estimates will move to San Jose by 2040.

Though still under construction, Cottle Transit Village “represents a success story in getting balanced growth of jobs with housing,” says Benjamin Grant, urban design policy director for the San Francisco Planning and Urban Research Association. “The land use for this location is very compelling and appropriate [and] fits into the city’s broader vision of intensifying the city rather than sprawling at the edges.”

Kathleen McCormick, principal of Fountainhead Communications, is a writer and editor focused on sustainable design, the environment, and healthy and resilient communities.

APPENDIX F

Mace Ranch Innovation Center - Air Quality (UNMITIGATED)
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle), with exception of PQP parcel = 224.42 acres + 11 acres for off-site sewer + 80 acres for off-site drainage basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - *modified haul trucks based on the use of 12 cubic yard haul trucks according to project engineer = 130000 / 12 = 10833 haul truck trips; would be hauled to off-site detention basin location

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblLandUse	LotAcreage	77.77	70.44

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43

tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3186	3.3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134						
2018	0.7249	7.7687	6.2476	8.5100e-003	2.7838	0.3611	3.1449	1.4322	0.3322	1.7644						
2019	0.5160	5.0581	4.3743	6.4800e-003	1.4253	0.2372	1.6624	0.6864	0.2182	0.9046						
2020	1.3697	5.0098	12.4704	0.0301	1.7585	0.1670	1.9254	0.4730	0.1550	0.6280						
2021	3.4741	9.6971	30.9928	0.0830	5.1933	0.2692	5.4625	1.3967	0.2514	1.6481						
2022	3.3351	8.6871	29.1920	0.0827	5.1736	0.2451	5.4187	1.3914	0.2288	1.6202						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	3.1576	7.8952	26.9151	0.0826	5.1736	0.2231	5.3968	1.3915	0.2081	1.5996						
2024	3.1152	7.7014	26.2477	0.0832	5.2136	0.2127	5.4263	1.4022	0.1982	1.6004						
2025	3.0317	7.4281	25.1628	0.0829	5.1938	0.1999	5.3937	1.3969	0.1861	1.5830						
2026	2.9964	7.3281	24.5922	0.0829	5.1939	0.2000	5.3940	1.3970	0.1862	1.5832						
2027	2.9729	7.2494	24.1606	0.0829	5.1940	0.2003	5.3944	1.3970	0.1865	1.5835						
2028	2.9365	7.1487	23.6641	0.0826	5.1742	0.1997	5.3739	1.3917	0.1859	1.5776						
2029	2.9238	7.1107	23.3856	0.0829	5.1942	0.2006	5.3948	1.3971	0.1868	1.5838						
2030	2.8776	6.4206	23.0009	0.0835	5.1942	0.1474	5.3416	1.3971	0.1376	1.5347						
2031	2.8618	6.3690	22.7521	0.0835	5.1943	0.1475	5.3418	1.3971	0.1376	1.5348						
2032	2.8581	6.3491	22.6214	0.0838	5.2143	0.1481	5.3624	1.4025	0.1382	1.5407						
2033	2.8196	6.2595	22.2580	0.0832	5.1746	0.1470	5.3216	1.3918	0.1372	1.5290						
2034	2.8020	6.2252	22.0829	0.0832	5.1747	0.1469	5.3216	1.3919	0.1372	1.5290						
2035	1.3342	2.8172	10.1812	0.0387	2.4168	0.0639	2.4807	0.6500	0.0594	0.7094						
Total	46.4258	125.8937	382.9284	1.2493	82.4101	3.6958	86.1059	23.5321	3.4353	26.9674						

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3186	3.3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134						
2018	0.7249	7.7687	6.2476	8.5100e-003	2.7838	0.3611	3.1449	1.4322	0.3322	1.7644						
2019	0.5160	5.0581	4.3743	6.4800e-003	1.4253	0.2372	1.6624	0.6864	0.2182	0.9046						
2020	1.3697	5.0098	12.4704	0.0301	1.7585	0.1670	1.9254	0.4730	0.1550	0.6280						
2021	3.4741	9.6971	30.9928	0.0830	5.1933	0.2692	5.4625	1.3967	0.2514	1.6481						
2022	3.3351	8.6871	29.1920	0.0827	5.1736	0.2451	5.4187	1.3914	0.2288	1.6202						
2023	3.1576	7.8952	26.9151	0.0826	5.1736	0.2231	5.3968	1.3915	0.2081	1.5996						
2024	3.1152	7.7014	26.2477	0.0832	5.2136	0.2127	5.4263	1.4022	0.1982	1.6004						
2025	3.0317	7.4280	25.1628	0.0829	5.1938	0.1999	5.3937	1.3969	0.1861	1.5830						
2026	2.9964	7.3281	24.5922	0.0829	5.1939	0.2000	5.3940	1.3970	0.1862	1.5832						
2027	2.9729	7.2494	24.1606	0.0829	5.1940	0.2003	5.3943	1.3970	0.1865	1.5835						
2028	2.9365	7.1487	23.6641	0.0826	5.1742	0.1997	5.3739	1.3917	0.1859	1.5776						
2029	2.9238	7.1107	23.3856	0.0829	5.1942	0.2006	5.3948	1.3971	0.1868	1.5838						
2030	2.8776	6.4206	23.0009	0.0835	5.1942	0.1474	5.3416	1.3971	0.1376	1.5347						
2031	2.8618	6.3690	22.7521	0.0835	5.1943	0.1475	5.3418	1.3971	0.1376	1.5348						
2032	2.8581	6.3491	22.6214	0.0838	5.2143	0.1481	5.3624	1.4025	0.1382	1.5407						
2033	2.8196	6.2595	22.2580	0.0832	5.1746	0.1470	5.3216	1.3918	0.1372	1.5290						
2034	2.8020	6.2252	22.0829	0.0832	5.1747	0.1469	5.3216	1.3919	0.1372	1.5290						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2035	1.3342	2.8172	10.1812	0.0387	2.4168	0.0639	2.4807	0.6500	0.0594	0.7094						
Total	46.4258	125.8936	382.9283	1.2493	82.4101	3.6958	86.1059	23.5321	3.4353	26.9674						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	24.9805	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Energy	0.2993	2.7209	2.2856	0.0163		0.2068	0.2068		0.2068	0.2068						
Mobile	7.3077	16.9182	75.6689	0.2891	18.8273	0.4036	19.2309	5.0657	0.3723	5.4380						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	32.5874	19.6400	78.0583	0.3054	18.8273	0.6108	19.4381	5.0657	0.5795	5.6452						

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	23.2643	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Energy	0.2099	1.9083	1.6030	0.0115		0.1450	0.1450		0.1450	0.1450						
Mobile	7.3077	16.9182	75.6689	0.2891	18.8273	0.4036	19.2309	5.0657	0.3723	5.4380						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	30.7819	18.8274	77.3757	0.3005	18.8273	0.5490	19.3763	5.0657	0.5177	5.5834						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.54	4.14	0.87	1.60	0.00	10.11	0.32	0.00	10.66	1.09	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.3145	3.3640	2.5608	2.5400e-003		0.1790	0.1790		0.1647	0.1647						
Total	0.3145	3.3640	2.5608	2.5400e-003	1.3550	0.1790	1.5340	0.7448	0.1647	0.9095						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						
Total	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.3145	3.3640	2.5608	2.5400e-003		0.1790	0.1790		0.1647	0.1647						
Total	0.3145	3.3640	2.5608	2.5400e-003	1.3550	0.1790	1.5340	0.7448	0.1647	0.9095						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						
Total	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.0429	0.4561	0.3624	3.9000e-004		0.0237	0.0237		0.0218	0.0218						
Total	0.0429	0.4561	0.3624	3.9000e-004	1.3550	0.0237	1.3786	0.7448	0.0218	0.7666						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						
Total	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.0429	0.4561	0.3624	3.9000e-004		0.0237	0.0237		0.0218	0.0218						
Total	0.0429	0.4561	0.3624	3.9000e-004	1.3550	0.0237	1.3786	0.7448	0.0218	0.7666						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						
Total	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767						
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091						
Total	0.6374	7.1738	5.0980	7.4400e-003	1.3885	0.3360	1.7245	0.6767	0.3091	0.9857						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0367	0.1251	0.6570	3.1000e-004	8.3600e-003	1.2700e-003	9.6300e-003	2.2200e-003	1.1700e-003	3.3900e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	7.4200e-003	0.0128	0.1213	3.5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003						
Total	0.0441	0.1379	0.7782	6.6000e-004	0.0382	1.4700e-003	0.0396	0.0101	1.3500e-003	0.0115						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767						
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091						
Total	0.6374	7.1738	5.0980	7.4400e-003	1.3885	0.3360	1.7245	0.6767	0.3091	0.9857						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0367	0.1251	0.6570	3.1000e-004	8.3600e-003	1.2700e-003	9.6300e-003	2.2200e-003	1.1700e-003	3.3900e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	7.4200e-003	0.0128	0.1213	3.5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003						
Total	0.0441	0.1379	0.7782	6.6000e-004	0.0382	1.4700e-003	0.0396	0.0101	1.3500e-003	0.0115						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767						
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775						
Total	0.3766	4.1732	3.1022	4.7500e-003	1.3885	0.1929	1.5814	0.6767	0.1775	0.8541						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0210	0.0745	0.3968	1.9000e-004	7.8300e-003	7.9000e-004	8.6200e-003	2.0300e-003	7.2000e-004	2.7600e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.2800e-003	7.4400e-003	0.0702	2.2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003						
Total	0.0253	0.0819	0.4670	4.1000e-004	0.0269	9.1000e-004	0.0278	7.0900e-003	8.3000e-004	7.9300e-003						

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767						
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775						
Total	0.3766	4.1732	3.1022	4.7500e-003	1.3885	0.1929	1.5814	0.6767	0.1775	0.8541						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0210	0.0745	0.3968	1.9000e-004	7.8300e-003	7.9000e-004	8.6200e-003	2.0300e-003	7.2000e-004	2.7600e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.2800e-003	7.4400e-003	0.0702	2.2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003						
Total	0.0253	0.0819	0.4670	4.1000e-004	0.0269	9.1000e-004	0.0278	7.0900e-003	8.3000e-004	7.9300e-003						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						
Paving	0.0356					0.0000	0.0000		0.0000	0.0000						
Total	0.1118	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						
Total	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						
Paving	0.0356					0.0000	0.0000		0.0000	0.0000						
Total	0.1118	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						
Total	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1151	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588						
Paving	0.0575					0.0000	0.0000		0.0000	0.0000						
Total	0.1726	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						
Total	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1151	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588						
Paving	0.0575					0.0000	0.0000		0.0000	0.0000						
Total	0.1726	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						
Total	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						
Total	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.3686	2.3596	5.3057	9.3000e-003	0.2525	0.0396	0.2921	0.0726	0.0364	0.1090						
Worker	0.2623	0.4554	4.2874	0.0148	1.2653	8.0200e-003	1.2733	0.3364	7.4400e-003	0.3438						
Total	0.6309	2.8150	9.5931	0.0241	1.5178	0.0476	1.5654	0.4090	0.0439	0.4528						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						
Total	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.3686	2.3596	5.3057	9.3000e-003	0.2525	0.0396	0.2921	0.0726	0.0364	0.1090						
Worker	0.2623	0.4554	4.2874	0.0148	1.2653	8.0200e-003	1.2733	0.3364	7.4400e-003	0.3438						
Total	0.6309	2.8150	9.5931	0.0241	1.5178	0.0476	1.5654	0.4090	0.0439	0.4528						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.9641	5.7385	14.4800	0.0272	0.7407	0.1040	0.8447	0.2130	0.0957	0.3087						
Worker	0.7255	1.2470	11.7645	0.0433	3.7105	0.0235	3.7341	0.9864	0.0218	1.0083						
Total	1.6896	6.9855	26.2445	0.0705	4.4512	0.1276	4.5788	1.1994	0.1175	1.3170						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.9641	5.7385	14.4800	0.0272	0.7407	0.1040	0.8447	0.2130	0.0957	0.3087						
Worker	0.7255	1.2470	11.7645	0.0433	3.7105	0.0235	3.7341	0.9864	0.0218	1.0083						
Total	1.6896	6.9855	26.2445	0.0705	4.4512	0.1276	4.5788	1.1994	0.1175	1.3170						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.9078	5.0848	13.6204	0.0271	0.7380	0.1016	0.8396	0.2122	0.0935	0.3057						
Worker	0.6844	1.1662	11.0110	0.0431	3.6963	0.0235	3.7198	0.9827	0.0218	1.0044						
Total	1.5922	6.2510	24.6315	0.0702	4.4343	0.1251	4.5594	1.1949	0.1152	1.3101						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.9078	5.0848	13.6204	0.0271	0.7380	0.1016	0.8396	0.2122	0.0935	0.3057						
Worker	0.6844	1.1662	11.0110	0.0431	3.6963	0.0235	3.7198	0.9827	0.0218	1.0044						
Total	1.5922	6.2510	24.6315	0.0702	4.4343	0.1251	4.5594	1.1949	0.1152	1.3101						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7920	4.5466	12.1388	0.0270	0.7381	0.0951	0.8332	0.2123	0.0875	0.2998						
Worker	0.6488	1.0988	10.3614	0.0431	3.6963	0.0235	3.7199	0.9827	0.0218	1.0045						
Total	1.4408	5.6454	22.5002	0.0701	4.4344	0.1186	4.5530	1.1949	0.1093	1.3043						

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7920	4.5466	12.1388	0.0270	0.7381	0.0951	0.8332	0.2123	0.0875	0.2998						
Worker	0.6488	1.0988	10.3614	0.0431	3.6963	0.0235	3.7199	0.9827	0.0218	1.0045						
Total	1.4408	5.6454	22.5002	0.0701	4.4344	0.1186	4.5530	1.1949	0.1093	1.3043						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752						
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7831	4.5294	11.9928	0.0272	0.7439	0.0962	0.8401	0.2140	0.0885	0.3025						
Worker	0.6229	1.0499	9.9203	0.0434	3.7248	0.0238	3.7486	0.9902	0.0221	1.0123						
Total	1.4060	5.5793	21.9130	0.0707	4.4686	0.1200	4.5886	1.2042	0.1106	1.3148						

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752						
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7831	4.5294	11.9928	0.0272	0.7439	0.0962	0.8401	0.2140	0.0885	0.3025						
Worker	0.6229	1.0499	9.9203	0.0434	3.7248	0.0238	3.7486	0.9902	0.0221	1.0123						
Total	1.4060	5.5793	21.9130	0.0707	4.4686	0.1200	4.5886	1.2042	0.1106	1.3148						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7545	4.4620	11.4899	0.0271	0.7412	0.0960	0.8372	0.2132	0.0883	0.3015						
Worker	0.5945	0.9976	9.4518	0.0433	3.7105	0.0239	3.7344	0.9864	0.0221	1.0086						
Total	1.3491	5.4596	20.9416	0.0704	4.4517	0.1199	4.5716	1.1996	0.1105	1.3101						

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7545	4.4620	11.4899	0.0271	0.7412	0.0960	0.8372	0.2132	0.0883	0.3015						
Worker	0.5945	0.9976	9.4518	0.0433	3.7105	0.0239	3.7344	0.9864	0.0221	1.0086						
Total	1.3491	5.4596	20.9416	0.0704	4.4517	0.1199	4.5716	1.1996	0.1105	1.3101						

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7467	4.4109	11.3496	0.0271	0.7413	0.0959	0.8372	0.2132	0.0883	0.3015						
Worker	0.5716	0.9569	9.0931	0.0433	3.7105	0.0241	3.7346	0.9864	0.0223	1.0088						
Total	1.3183	5.3678	20.4427	0.0704	4.4518	0.1200	4.5718	1.1997	0.1106	1.3103						

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7467	4.4109	11.3496	0.0271	0.7413	0.0959	0.8372	0.2132	0.0883	0.3015						
Worker	0.5716	0.9569	9.0931	0.0433	3.7105	0.0241	3.7346	0.9864	0.0223	1.0088						
Total	1.3183	5.3678	20.4427	0.0704	4.4518	0.1200	4.5718	1.1997	0.1106	1.3103						

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7491	4.3760	11.3002	0.0271	0.7414	0.0960	0.8374	0.2133	0.0883	0.3016						
Worker	0.5501	0.9204	8.7746	0.0433	3.7105	0.0242	3.7348	0.9864	0.0225	1.0089						
Total	1.2992	5.2964	20.0748	0.0704	4.4519	0.1203	4.5722	1.1997	0.1108	1.3105						

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7491	4.3760	11.3002	0.0271	0.7414	0.0960	0.8374	0.2133	0.0883	0.3016						
Worker	0.5501	0.9204	8.7746	0.0433	3.7105	0.0242	3.7348	0.9864	0.0225	1.0089						
Total	1.2992	5.2964	20.0748	0.0704	4.4519	0.1203	4.5722	1.1997	0.1108	1.3105						

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7450	4.3262	11.1898	0.0270	0.7386	0.0956	0.8343	0.2125	0.0880	0.3005						
Worker	0.5281	0.8836	8.4603	0.0431	3.6963	0.0243	3.7206	0.9827	0.0226	1.0052						
Total	1.2731	5.2098	19.6501	0.0701	4.4349	0.1199	4.5549	1.1952	0.1105	1.3057						

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7450	4.3262	11.1898	0.0270	0.7386	0.0956	0.8343	0.2125	0.0880	0.3005						
Worker	0.5281	0.8836	8.4603	0.0431	3.6963	0.0243	3.7206	0.9827	0.0226	1.0052						
Total	1.2731	5.2098	19.6501	0.0701	4.4349	0.1199	4.5549	1.1952	0.1105	1.3057						

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7476	4.3161	11.1900	0.0271	0.7415	0.0960	0.8375	0.2134	0.0883	0.3017						
Worker	0.5104	0.8547	8.2206	0.0433	3.7105	0.0245	3.7350	0.9864	0.0227	1.0092						
Total	1.2580	5.1708	19.4106	0.0704	4.4521	0.1205	4.5726	1.1998	0.1111	1.3108						

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7476	4.3161	11.1900	0.0271	0.7415	0.0960	0.8375	0.2134	0.0883	0.3017						
Worker	0.5104	0.8547	8.2206	0.0433	3.7105	0.0245	3.7350	0.9864	0.0227	1.0092						
Total	1.2580	5.1708	19.4106	0.0704	4.4521	0.1205	4.5726	1.1998	0.1111	1.3108						

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7356	4.2838	11.0660	0.0271	0.7416	0.0960	0.8375	0.2134	0.0883	0.3016						
Worker	0.4925	0.8265	7.9960	0.0433	3.7105	0.0246	3.7351	0.9864	0.0228	1.0093						
Total	1.2281	5.1103	19.0620	0.0704	4.4521	0.1205	4.5727	1.1998	0.1111	1.3109						

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7356	4.2838	11.0660	0.0271	0.7416	0.0960	0.8375	0.2134	0.0883	0.3016						
Worker	0.4925	0.8265	7.9960	0.0433	3.7105	0.0246	3.7351	0.9864	0.0228	1.0093						
Total	1.2281	5.1103	19.0620	0.0704	4.4521	0.1205	4.5727	1.1998	0.1111	1.3109						

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7403	4.2647	11.0676	0.0271	0.7417	0.0960	0.8377	0.2134	0.0883	0.3017						
Worker	0.4754	0.7994	7.7874	0.0433	3.7105	0.0246	3.7352	0.9864	0.0229	1.0093						
Total	1.2157	5.0641	18.8549	0.0704	4.4522	0.1206	4.5728	1.1998	0.1112	1.3110						

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7403	4.2647	11.0676	0.0271	0.7417	0.0960	0.8377	0.2134	0.0883	0.3017						
Worker	0.4754	0.7994	7.7874	0.0433	3.7105	0.0246	3.7352	0.9864	0.0229	1.0093						
Total	1.2157	5.0641	18.8549	0.0704	4.4522	0.1206	4.5728	1.1998	0.1112	1.3110						

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7473	4.2653	11.1088	0.0273	0.7446	0.0964	0.8410	0.2143	0.0887	0.3029						
Worker	0.4615	0.7787	7.6365	0.0434	3.7248	0.0247	3.7495	0.9902	0.0230	1.0132						
Total	1.2088	5.0439	18.7454	0.0707	4.4694	0.1211	4.5905	1.2045	0.1116	1.3161						

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7473	4.2653	11.1088	0.0273	0.7446	0.0964	0.8410	0.2143	0.0887	0.3029						
Worker	0.4615	0.7787	7.6365	0.0434	3.7248	0.0247	3.7495	0.9902	0.0230	1.0132						
Total	1.2088	5.0439	18.7454	0.0707	4.4694	0.1211	4.5905	1.2045	0.1116	1.3161						

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7419	4.2149	11.0077	0.0270	0.7390	0.0957	0.8347	0.2127	0.0880	0.3007						
Worker	0.4439	0.7533	7.4329	0.0431	3.6963	0.0246	3.7209	0.9827	0.0228	1.0054						
Total	1.1858	4.9682	18.4406	0.0701	4.4353	0.1202	4.5555	1.1953	0.1108	1.3061						

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7419	4.2149	11.0077	0.0270	0.7390	0.0957	0.8347	0.2127	0.0880	0.3007						
Worker	0.4439	0.7533	7.4329	0.0431	3.6963	0.0246	3.7209	0.9827	0.0228	1.0054						
Total	1.1858	4.9682	18.4406	0.0701	4.4353	0.1202	4.5555	1.1953	0.1108	1.3061						

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7414	4.2001	11.0001	0.0271	0.7391	0.0956	0.8347	0.2127	0.0880	0.3007						
Worker	0.4296	0.7370	7.2933	0.0431	3.6963	0.0246	3.7209	0.9827	0.0228	1.0054						
Total	1.1710	4.9371	18.2934	0.0701	4.4354	0.1202	4.5556	1.1953	0.1108	1.3061						

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7414	4.2001	11.0001	0.0271	0.7391	0.0956	0.8347	0.2127	0.0880	0.3007						
Worker	0.4296	0.7370	7.2933	0.0431	3.6963	0.0246	3.7209	0.9827	0.0228	1.0054						
Total	1.1710	4.9371	18.2934	0.0701	4.4354	0.1202	4.5556	1.1953	0.1108	1.3061						

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						
Total	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.3403	1.9322	5.0716	0.0125	0.3411	0.0441	0.3853	0.0982	0.0406	0.1388						
Worker	0.1924	0.3343	3.3102	0.0199	1.7060	0.0113	1.7173	0.4535	0.0105	0.4640						
Total	0.5328	2.2665	8.3818	0.0324	2.0471	0.0554	2.1026	0.5517	0.0511	0.6028						

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						
Total	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.3403	1.9322	5.0716	0.0125	0.3411	0.0441	0.3853	0.0982	0.0406	0.1388						
Worker	0.1924	0.3343	3.3102	0.0199	1.7060	0.0113	1.7173	0.4535	0.0105	0.4640						
Total	0.5328	2.2665	8.3818	0.0324	2.0471	0.0554	2.1026	0.5517	0.0511	0.6028						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4128					0.0000	0.0000		0.0000	0.0000						
Off-Road	9.5700e-003	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						
Total	0.4224	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0466	0.0809	0.7611	2.6200e-003	0.2246	1.4200e-003	0.2261	0.0597	1.3200e-003	0.0610						
Total	0.0466	0.0809	0.7611	2.6200e-003	0.2246	1.4200e-003	0.2261	0.0597	1.3200e-003	0.0610						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4128					0.0000	0.0000		0.0000	0.0000						
Off-Road	9.5700e-003	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						
Total	0.4224	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0466	0.0809	0.7611	2.6200e-003	0.2246	1.4200e-003	0.2261	0.0597	1.3200e-003	0.0610						
Total	0.0466	0.0809	0.7611	2.6200e-003	0.2246	1.4200e-003	0.2261	0.0597	1.3200e-003	0.0610						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						
Total	1.3924	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1451	0.2494	2.3529	8.6600e-003	0.7421	4.7000e-003	0.7468	0.1973	4.3600e-003	0.2017						
Total	0.1451	0.2494	2.3529	8.6600e-003	0.7421	4.7000e-003	0.7468	0.1973	4.3600e-003	0.2017						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						
Total	1.3924	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1451	0.2494	2.3529	8.6600e-003	0.7421	4.7000e-003	0.7468	0.1973	4.3600e-003	0.2017						
Total	0.1451	0.2494	2.3529	8.6600e-003	0.7421	4.7000e-003	0.7468	0.1973	4.3600e-003	0.2017						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106						
Total	1.3852	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1369	0.2332	2.2022	8.6200e-003	0.7393	4.7000e-003	0.7440	0.1965	4.3600e-003	0.2009						
Total	0.1369	0.2332	2.2022	8.6200e-003	0.7393	4.7000e-003	0.7440	0.1965	4.3600e-003	0.2009						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106						
Total	1.3852	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1369	0.2332	2.2022	8.6200e-003	0.7393	4.7000e-003	0.7440	0.1965	4.3600e-003	0.2009						
Total	0.1369	0.2332	2.2022	8.6200e-003	0.7393	4.7000e-003	0.7440	0.1965	4.3600e-003	0.2009						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						
Total	1.3835	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1298	0.2198	2.0723	8.6200e-003	0.7393	4.7100e-003	0.7440	0.1965	4.3700e-003	0.2009						
Total	0.1298	0.2198	2.0723	8.6200e-003	0.7393	4.7100e-003	0.7440	0.1965	4.3700e-003	0.2009						

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						
Total	1.3835	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1298	0.2198	2.0723	8.6200e-003	0.7393	4.7100e-003	0.7440	0.1965	4.3700e-003	0.2009						
Total	0.1298	0.2198	2.0723	8.6200e-003	0.7393	4.7100e-003	0.7440	0.1965	4.3700e-003	0.2009						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3690					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						
Total	1.3927	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1246	0.2100	1.9841	8.6900e-003	0.7450	4.7600e-003	0.7497	0.1980	4.4200e-003	0.2025						
Total	0.1246	0.2100	1.9841	8.6900e-003	0.7450	4.7600e-003	0.7497	0.1980	4.4200e-003	0.2025						

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3690					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						
Total	1.3927	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1246	0.2100	1.9841	8.6900e-003	0.7450	4.7600e-003	0.7497	0.1980	4.4200e-003	0.2025						
Total	0.1246	0.2100	1.9841	8.6900e-003	0.7450	4.7600e-003	0.7497	0.1980	4.4200e-003	0.2025						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1189	0.1995	1.8904	8.6500e-003	0.7421	4.7700e-003	0.7469	0.1973	4.4300e-003	0.2017						
Total	0.1189	0.1995	1.8904	8.6500e-003	0.7421	4.7700e-003	0.7469	0.1973	4.4300e-003	0.2017						

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1189	0.1995	1.8904	8.6500e-003	0.7421	4.7700e-003	0.7469	0.1973	4.4300e-003	0.2017						
Total	0.1189	0.1995	1.8904	8.6500e-003	0.7421	4.7700e-003	0.7469	0.1973	4.4300e-003	0.2017						

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1143	0.1914	1.8186	8.6500e-003	0.7421	4.8100e-003	0.7469	0.1973	4.4700e-003	0.2018						
Total	0.1143	0.1914	1.8186	8.6500e-003	0.7421	4.8100e-003	0.7469	0.1973	4.4700e-003	0.2018						

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1143	0.1914	1.8186	8.6500e-003	0.7421	4.8100e-003	0.7469	0.1973	4.4700e-003	0.2018						
Total	0.1143	0.1914	1.8186	8.6500e-003	0.7421	4.8100e-003	0.7469	0.1973	4.4700e-003	0.2018						

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1100	0.1841	1.7549	8.6500e-003	0.7421	4.8500e-003	0.7470	0.1973	4.5000e-003	0.2018						
Total	0.1100	0.1841	1.7549	8.6500e-003	0.7421	4.8500e-003	0.7470	0.1973	4.5000e-003	0.2018						

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1100	0.1841	1.7549	8.6500e-003	0.7421	4.8500e-003	0.7470	0.1973	4.5000e-003	0.2018						
Total	0.1100	0.1841	1.7549	8.6500e-003	0.7421	4.8500e-003	0.7470	0.1973	4.5000e-003	0.2018						

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						
Total	1.3808	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1056	0.1767	1.6921	8.6200e-003	0.7393	4.8600e-003	0.7441	0.1965	4.5100e-003	0.2010						
Total	0.1056	0.1767	1.6921	8.6200e-003	0.7393	4.8600e-003	0.7441	0.1965	4.5100e-003	0.2010						

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						
Total	1.3808	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1056	0.1767	1.6921	8.6200e-003	0.7393	4.8600e-003	0.7441	0.1965	4.5100e-003	0.2010						
Total	0.1056	0.1767	1.6921	8.6200e-003	0.7393	4.8600e-003	0.7441	0.1965	4.5100e-003	0.2010						

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1021	0.1709	1.6441	8.6500e-003	0.7421	4.9000e-003	0.7470	0.1973	4.5500e-003	0.2018						
Total	0.1021	0.1709	1.6441	8.6500e-003	0.7421	4.9000e-003	0.7470	0.1973	4.5500e-003	0.2018						

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1021	0.1709	1.6441	8.6500e-003	0.7421	4.9000e-003	0.7470	0.1973	4.5500e-003	0.2018						
Total	0.1021	0.1709	1.6441	8.6500e-003	0.7421	4.9000e-003	0.7470	0.1973	4.5500e-003	0.2018						

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	1.3809	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0985	0.1653	1.5992	8.6500e-003	0.7421	4.9200e-003	0.7470	0.1973	4.5600e-003	0.2019						
Total	0.0985	0.1653	1.5992	8.6500e-003	0.7421	4.9200e-003	0.7470	0.1973	4.5600e-003	0.2019						

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	1.3809	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0985	0.1653	1.5992	8.6500e-003	0.7421	4.9200e-003	0.7470	0.1973	4.5600e-003	0.2019						
Total	0.0985	0.1653	1.5992	8.6500e-003	0.7421	4.9200e-003	0.7470	0.1973	4.5600e-003	0.2019						

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	1.3809	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0951	0.1599	1.5575	8.6500e-003	0.7421	4.9300e-003	0.7470	0.1973	4.5700e-003	0.2019						
Total	0.0951	0.1599	1.5575	8.6500e-003	0.7421	4.9300e-003	0.7470	0.1973	4.5700e-003	0.2019						

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	1.3809	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0951	0.1599	1.5575	8.6500e-003	0.7421	4.9300e-003	0.7470	0.1973	4.5700e-003	0.2019						
Total	0.0951	0.1599	1.5575	8.6500e-003	0.7421	4.9300e-003	0.7470	0.1973	4.5700e-003	0.2019						

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3690					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						
Total	1.3862	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0923	0.1557	1.5273	8.6800e-003	0.7450	4.9500e-003	0.7499	0.1980	4.5900e-003	0.2026						
Total	0.0923	0.1557	1.5273	8.6800e-003	0.7450	4.9500e-003	0.7499	0.1980	4.5900e-003	0.2026						

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3690					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						
Total	1.3862	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0923	0.1557	1.5273	8.6800e-003	0.7450	4.9500e-003	0.7499	0.1980	4.5900e-003	0.2026						
Total	0.0923	0.1557	1.5273	8.6800e-003	0.7450	4.9500e-003	0.7499	0.1980	4.5900e-003	0.2026						

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	1.3756	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0888	0.1507	1.4866	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5600e-003	0.2011						
Total	0.0888	0.1507	1.4866	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5600e-003	0.2011						

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	1.3756	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0888	0.1507	1.4866	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5600e-003	0.2011						
Total	0.0888	0.1507	1.4866	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5600e-003	0.2011						

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	1.3756	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0859	0.1474	1.4587	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5500e-003	0.2011						
Total	0.0859	0.1474	1.4587	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5500e-003	0.2011						

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	1.3756	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0859	0.1474	1.4587	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5500e-003	0.2011						
Total	0.0859	0.1474	1.4587	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5500e-003	0.2011						

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6793					0.0000	0.0000		0.0000	0.0000						
Off-Road	7.6600e-003	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						
Total	0.6869	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0417	0.0724	0.7172	4.3100e-003	0.3696	2.4500e-003	0.3721	0.0983	2.2800e-003	0.1005						
Total	0.0417	0.0724	0.7172	4.3100e-003	0.3696	2.4500e-003	0.3721	0.0983	2.2800e-003	0.1005						

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6793					0.0000	0.0000		0.0000	0.0000						
Off-Road	7.6600e-003	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						
Total	0.6869	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0417	0.0724	0.7172	4.3100e-003	0.3696	2.4500e-003	0.3721	0.0983	2.2800e-003	0.1005						
Total	0.0417	0.0724	0.7172	4.3100e-003	0.3696	2.4500e-003	0.3721	0.0983	2.2800e-003	0.1005						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.3077	16.9182	75.6689	0.2891	18.8273	0.4036	19.2309	5.0657	0.3723	5.4380						
Unmitigated	7.3077	16.9182	75.6689	0.2891	18.8273	0.4036	19.2309	5.0657	0.3723	5.4380						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,340,767	2,340,767
Manufacturing	3,376.88	1,317.16	548.08	10,408,376	10,408,376
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,409,861	7,409,861
Regional Shopping Center	1,080.37	1,257.25	635.04	1,864,321	1,864,321
Research & Development	12,246.10	2,869.00	1676.10	27,095,907	27,095,907
Research & Development	372.25	87.21	50.95	823,644	823,644
Total	22,595.10	11,756.12	6,326.67	49,942,875	49,942,875

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.93	6.43	6.43	19.40	61.60	19.00	58	38	4
Manufacturing	14.93	6.43	6.43	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0
Parking Lot	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						
NaturalGas Mitigated	0.2099	1.9083	1.6030	0.0115		0.1450	0.1450		0.1450	0.1450						
NaturalGas Unmitigated	0.2993	2.7209	2.2856	0.0163		0.2068	0.2068		0.2068	0.2068						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	6.12236e+006	0.0330	0.3001	0.2521	1.8000e-003		0.0228	0.0228		0.0228	0.0228						
Manufacturing	1.73352e+007	0.0935	0.8498	0.7138	5.1000e-003		0.0646	0.0646		0.0646	0.0646						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	1.229e+006	6.6300e-003	0.0603	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003						
Regional Shopping Center	309155	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003						
Research & Development	2.96111e+007	0.1597	1.4515	1.2193	8.7100e-003		0.1103	0.1103		0.1103	0.1103						
Research & Development	900119	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003						
Total		0.2993	2.7209	2.2856	0.0163		0.2068	0.2068		0.2068	0.2068						

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Manufacturing	1.21506e+007	0.0655	0.5956	0.5003	3.5700e-003		0.0453	0.0453		0.0453	0.0453						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	219125	1.1800e-003	0.0107	9.0200e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004						
Regional Shopping Center	871100	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003						
Research & Development	2.0755e+007	0.1119	1.0174	0.8546	6.1000e-003		0.0773	0.0773		0.0773	0.0773						
Research & Development	630909	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003						
Hotel	4.30264e+006	0.0232	0.2109	0.1772	1.2700e-003		0.0160	0.0160		0.0160	0.0160						
Total		0.2099	1.9083	1.6030	0.0115		0.1450	0.1450		0.1450	0.1450						

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006				
Manufacturing	8.15932e+006				
Other Asphalt Surfaces	0				
Parking Lot	2.70016e+006				
Regional Shopping Center	1.339e+006				
Regional Shopping Center	336825				
Research & Development	1.39373e+007				
Research & Development	423666				
Total					

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	744114				
Manufacturing	3.81181e+006				
Other Asphalt Surfaces	0				
Parking Lot	1.35008e+006				
Regional Shopping Center	150452				
Regional Shopping Center	598100				
Research & Development	197925				
Research & Development	6.51112e+006				
Total					

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	23.2643	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Unmitigated	24.9805	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0170					0.0000	0.0000		0.0000	0.0000						
Consumer Products	22.9540					0.0000	0.0000		0.0000	0.0000						
Landscaping	9.4900e-003	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Total	24.9805	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0170					0.0000	0.0000		0.0000	0.0000						
Consumer Products	21.2378					0.0000	0.0000		0.0000	0.0000						
Landscaping	9.4900e-003	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Total	23.2643	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				
Unmitigated				

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779				
Manufacturing	204.425 / 0				
Other Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Regional Shopping Center	9.27092 / 5.68217				
Research & Development	765.027 / 0				
Total					

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.66351 / 0.422779				
Manufacturing	143.098 / 0				
Other Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Regional Shopping Center	6.48964 / 5.68217				
Research & Development	535.519 / 0				
Total					

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				
Unmitigated				

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13				
Manufacturing	1096.16				
Other Asphalt Surfaces	0				
Parking Lot	0				
Regional Shopping Center	131.42				
Research & Development	118.24				
Total					

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13				
Manufacturing	1096.16				
Other Asphalt Surfaces	0				
Parking Lot	0				
Regional Shopping Center	131.42				
Research & Development	118.24				
Total					

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - Air Quality (UNMITIGATED)
Yolo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle), with exception of PQP parcel = 224.42 acres + 11 acres for off-site sewer + 80 acres for off-site drainage basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - *modified haul trucks based on the use of 12 cubic yard haul trucks according to project engineer = 130000 / 12 = 10833 haul truck trips; would be hauled to off-site detention basin location

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblLandUse	LotAcreage	77.77	70.44

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43

tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.6246	60.6285	47.4558	0.0675	18.2962	2.8001	20.6630	9.9917	2.5760	12.1692						
2019	5.1937	55.2168	45.0445	0.0674	7.3909	2.5166	9.9075	3.5211	2.3153	5.8364						
2020	28.7903	82.4757	243.6065	0.6781	41.0837	2.3250	43.4087	11.0189	2.1719	13.1907						
2021	27.2942	71.2470	227.0220	0.6777	41.0847	2.0584	43.1431	11.0193	1.9222	12.9414						
2022	26.3500	64.0777	215.7093	0.6774	41.0857	1.8815	42.9672	11.0197	1.7560	12.7757						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	25.0814	58.2791	202.0618	0.6770	41.0863	1.7135	42.7998	11.0199	1.5984	12.6183						
2024	24.5317	56.4170	195.2548	0.6770	41.0875	1.6208	42.7083	11.0204	1.5103	12.5308						
2025	23.9875	54.6173	188.6006	0.6770	41.0886	1.5287	42.6173	11.0209	1.4231	12.4440						
2026	23.6816	53.9128	184.0557	0.6770	41.0892	1.5300	42.6192	11.0211	1.4243	12.4454						
2027	23.4613	53.3595	180.4216	0.6771	41.0899	1.5323	42.6222	11.0214	1.4265	12.4479						
2028	23.2295	52.8447	177.0608	0.6772	41.0906	1.5337	42.6243	11.0217	1.4278	12.4494						
2029	23.0027	52.3854	173.9185	0.6772	41.0912	1.5346	42.6258	11.0219	1.4286	12.4505						
2030	22.6135	47.1377	170.9088	0.6812	41.0916	1.1265	42.2181	11.0221	1.0516	12.0737						
2031	22.4506	46.7767	168.6989	0.6813	41.0923	1.1271	42.2194	11.0224	1.0521	12.0745						
2032	22.2982	46.4674	166.7734	0.6813	41.0930	1.1276	42.2206	11.0226	1.0526	12.0752						
2033	22.1383	46.1776	165.1223	0.6814	41.0936	1.1277	42.2213	11.0229	1.0527	12.0755						
2034	21.9709	45.9349	163.5738	0.6814	41.0941	1.1274	42.2216	11.0231	1.0524	12.0755						
2035	21.6901	44.8641	162.1541	0.6815	41.0946	1.0588	42.1534	11.0233	0.9839	12.0071						
Total	398.3026	1,044.6686	3,118.0292	11.0375	701.4201	32.0257	733.0126	199.8458	29.7608	229.2081						

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.6246	60.6285	47.4558	0.0675	18.2962	2.8001	20.6630	9.9917	2.5760	12.1692						
2019	5.1937	55.2168	45.0445	0.0674	7.3909	2.5166	9.9075	3.5211	2.3153	5.8364						
2020	28.7903	82.4757	243.6065	0.6781	41.0837	2.3250	43.4087	11.0189	2.1719	13.1907						
2021	27.2942	71.2470	227.0220	0.6777	41.0847	2.0584	43.1431	11.0193	1.9222	12.9414						
2022	26.3500	64.0777	215.7093	0.6774	41.0857	1.8815	42.9672	11.0197	1.7560	12.7757						
2023	25.0814	58.2791	202.0618	0.6770	41.0863	1.7135	42.7998	11.0199	1.5984	12.6183						
2024	24.5317	56.4170	195.2548	0.6770	41.0875	1.6208	42.7083	11.0204	1.5103	12.5308						
2025	23.9875	54.6173	188.6006	0.6770	41.0886	1.5287	42.6173	11.0209	1.4231	12.4440						
2026	23.6816	53.9128	184.0557	0.6770	41.0892	1.5300	42.6192	11.0211	1.4243	12.4454						
2027	23.4613	53.3595	180.4216	0.6771	41.0899	1.5323	42.6222	11.0214	1.4265	12.4479						
2028	23.2295	52.8447	177.0608	0.6772	41.0906	1.5337	42.6243	11.0217	1.4278	12.4494						
2029	23.0027	52.3854	173.9185	0.6772	41.0912	1.5346	42.6258	11.0219	1.4286	12.4505						
2030	22.6135	47.1377	170.9088	0.6812	41.0916	1.1265	42.2181	11.0221	1.0516	12.0737						
2031	22.4506	46.7767	168.6989	0.6813	41.0923	1.1271	42.2194	11.0224	1.0521	12.0745						
2032	22.2982	46.4674	166.7734	0.6813	41.0930	1.1276	42.2206	11.0226	1.0526	12.0752						
2033	22.1383	46.1776	165.1223	0.6814	41.0936	1.1277	42.2213	11.0229	1.0527	12.0755						
2034	21.9709	45.9349	163.5738	0.6814	41.0941	1.1274	42.2216	11.0231	1.0524	12.0755						

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Energy	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						
Mobile	55.3736	110.3068	519.6453	2.1481	135.0203	2.7993	137.8196	36.2289	2.5820	38.8109						
Total	193.9463	125.2263	533.3220	2.2376	135.0203	3.9365	138.9568	36.2289	3.7192	39.9481						

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	127.5289	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Energy	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
Mobile	55.3736	110.3068	519.6453	2.1481	135.0203	2.7993	137.8196	36.2289	2.5820	38.8109						
Total	184.0527	120.7736	529.5817	2.2109	135.0203	3.5981	138.6184	36.2289	3.3808	39.6097						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.10	3.56	0.70	1.19	0.00	8.60	0.24	0.00	9.10	0.85	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2617	0.9994	3.9652	2.5400e-003	0.0716	0.0104	0.0820	0.0190	9.5600e-003	0.0286						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0734	0.0954	1.1839	3.2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.3351	1.0947	5.1490	5.7400e-003	0.3270	0.0120	0.3391	0.0867	0.0111	0.0978						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2617	0.9994	3.9652	2.5400e-003	0.0716	0.0104	0.0820	0.0190	9.5600e-003	0.0286						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0734	0.0954	1.1839	3.2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.3351	1.0947	5.1490	5.7400e-003	0.3270	0.0120	0.3391	0.0867	0.0111	0.0978						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2359	0.9320	3.6794	2.5300e-003	0.1051	0.0101	0.1153	0.0272	9.3000e-003	0.0365						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	0.3025	1.0190	4.7556	5.7100e-003	0.3606	0.0117	0.3723	0.0950	0.0108	0.1057						

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2359	0.9320	3.6794	2.5300e-003	0.1051	0.0101	0.1153	0.0272	9.3000e-003	0.0365						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	0.3025	1.0190	4.7556	5.7100e-003	0.3606	0.0117	0.3723	0.0950	0.0108	0.1057						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	2.0906	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	2.0906	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	1.9948	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	1.9948	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	7.5013	50.6468	88.0606	0.2092	5.8302	0.8849	6.7150	1.6700	0.8138	2.4838						
Worker	7.0709	9.2176	114.0884	0.3660	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	14.5722	59.8644	202.1490	0.5752	35.2082	1.0652	36.2733	9.4607	0.9810	10.4417						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	7.5013	50.6468	88.0606	0.2092	5.8302	0.8849	6.7150	1.6700	0.8138	2.4838						
Worker	7.0709	9.2176	114.0884	0.3660	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	14.5722	59.8644	202.1490	0.5752	35.2082	1.0652	36.2733	9.4607	0.9810	10.4417						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.7332	42.0443	80.2984	0.2087	5.8311	0.7931	6.6242	1.6704	0.7296	2.4000						
Worker	6.6654	8.6129	106.9736	0.3660	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	13.3986	50.6573	187.2720	0.5747	35.2091	0.9733	36.1824	9.4611	0.8968	10.3579						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.7332	42.0443	80.2984	0.2087	5.8311	0.7931	6.6242	1.6704	0.7296	2.4000						
Worker	6.6654	8.6129	106.9736	0.3660	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	13.3986	50.6573	187.2720	0.5747	35.2091	0.9733	36.1824	9.4611	0.8968	10.3579						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.4255	37.4225	76.7147	0.2085	5.8321	0.7773	6.6094	1.6708	0.7151	2.3859						
Worker	6.3086	8.0919	100.7112	0.3659	29.3780	0.1806	29.5586	7.7908	0.1675	7.9583						
Total	12.7341	45.5145	177.4259	0.5744	35.2101	0.9579	36.1680	9.4615	0.8827	10.3442						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.4255	37.4225	76.7147	0.2085	5.8321	0.7773	6.6094	1.6708	0.7151	2.3859						
Worker	6.3086	8.0919	100.7112	0.3659	29.3780	0.1806	29.5586	7.7908	0.1675	7.9583						
Total	12.7341	45.5145	177.4259	0.5744	35.2101	0.9579	36.1680	9.4615	0.8827	10.3442						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.7022	33.5061	70.0874	0.2081	5.8328	0.7287	6.5615	1.6710	0.6704	2.3415						
Worker	5.9758	7.6312	94.9617	0.3659	29.3780	0.1810	29.5590	7.7908	0.1679	7.9587						
Total	11.6780	41.1373	165.0491	0.5740	35.2107	0.9097	36.1205	9.4618	0.8383	10.3001						

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.7022	33.5061	70.0874	0.2081	5.8328	0.7287	6.5615	1.6710	0.6704	2.3415						
Worker	5.9758	7.6312	94.9617	0.3659	29.3780	0.1810	29.5590	7.7908	0.1679	7.9587						
Total	11.6780	41.1373	165.0491	0.5740	35.2107	0.9097	36.1205	9.4618	0.8383	10.3001						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.6086	33.1311	68.8478	0.2082	5.8340	0.7312	6.5652	1.6715	0.6727	2.3443						
Worker	5.6888	7.2414	90.3863	0.3659	29.3780	0.1817	29.5597	7.7908	0.1686	7.9594						
Total	11.2973	40.3725	159.2342	0.5740	35.2119	0.9130	36.1249	9.4623	0.8413	10.3036						

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.6086	33.1311	68.8478	0.2082	5.8340	0.7312	6.5652	1.6715	0.6727	2.3443						
Worker	5.6888	7.2414	90.3863	0.3659	29.3780	0.1817	29.5597	7.7908	0.1686	7.9594						
Total	11.2973	40.3725	159.2342	0.5740	35.2119	0.9130	36.1249	9.4623	0.8413	10.3036						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4691	32.7685	66.8233	0.2082	5.8350	0.7328	6.5678	1.6720	0.6742	2.3461						
Worker	5.4463	6.9114	86.5970	0.3659	29.3780	0.1828	29.5608	7.7908	0.1696	7.9604						
Total	10.9154	39.6798	153.4203	0.5740	35.2130	0.9156	36.1286	9.4627	0.8438	10.3065						

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4691	32.7685	66.8233	0.2082	5.8350	0.7328	6.5678	1.6720	0.6742	2.3461						
Worker	5.4463	6.9114	86.5970	0.3659	29.3780	0.1828	29.5608	7.7908	0.1696	7.9604						
Total	10.9154	39.6798	153.4203	0.5740	35.2130	0.9156	36.1286	9.4627	0.8438	10.3065						

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4214	32.3979	66.0626	0.2082	5.8356	0.7322	6.5678	1.6722	0.6736	2.3458						
Worker	5.2311	6.6331	83.4435	0.3659	29.3780	0.1844	29.5624	7.7908	0.1711	7.9619						
Total	10.6525	39.0310	149.5061	0.5741	35.2136	0.9166	36.1302	9.4630	0.8447	10.3077						

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4214	32.3979	66.0626	0.2082	5.8356	0.7322	6.5678	1.6722	0.6736	2.3458						
Worker	5.2311	6.6331	83.4435	0.3659	29.3780	0.1844	29.5624	7.7908	0.1711	7.9619						
Total	10.6525	39.0310	149.5061	0.5741	35.2136	0.9166	36.1302	9.4630	0.8447	10.3077						

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4444	32.1434	65.7891	0.2083	5.8364	0.7329	6.5692	1.6725	0.6743	2.3468						
Worker	5.0284	6.3840	80.6430	0.3659	29.3780	0.1858	29.5638	7.7908	0.1723	7.9631						
Total	10.4728	38.5275	146.4321	0.5741	35.2143	0.9186	36.1330	9.4633	0.8466	10.3099						

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4444	32.1434	65.7891	0.2083	5.8364	0.7329	6.5692	1.6725	0.6743	2.3468						
Worker	5.0284	6.3840	80.6430	0.3659	29.3780	0.1858	29.5638	7.7908	0.1723	7.9631						
Total	10.4728	38.5275	146.4321	0.5741	35.2143	0.9186	36.1330	9.4633	0.8466	10.3099						

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4404	31.9027	65.4014	0.2083	5.8370	0.7328	6.5699	1.6728	0.6742	2.3470						
Worker	4.8386	6.1557	78.1654	0.3659	29.3780	0.1869	29.5649	7.7908	0.1734	7.9642						
Total	10.2790	38.0584	143.5668	0.5742	35.2150	0.9198	36.1348	9.4635	0.8477	10.3112						

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4404	31.9027	65.4014	0.2083	5.8370	0.7328	6.5699	1.6728	0.6742	2.3470						
Worker	4.8386	6.1557	78.1654	0.3659	29.3780	0.1869	29.5649	7.7908	0.1734	7.9642						
Total	10.2790	38.0584	143.5668	0.5742	35.2150	0.9198	36.1348	9.4635	0.8477	10.3112						

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4403	31.7082	65.1355	0.2083	5.8376	0.7327	6.5703	1.6730	0.6741	2.3471						
Worker	4.6496	5.9350	75.7685	0.3659	29.3780	0.1878	29.5658	7.7908	0.1742	7.9650						
Total	10.0900	37.6432	140.9039	0.5742	35.2156	0.9205	36.1361	9.4638	0.8483	10.3121						

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4403	31.7082	65.1355	0.2083	5.8376	0.7327	6.5703	1.6730	0.6741	2.3471						
Worker	4.6496	5.9350	75.7685	0.3659	29.3780	0.1878	29.5658	7.7908	0.1742	7.9650						
Total	10.0900	37.6432	140.9039	0.5742	35.2156	0.9205	36.1361	9.4638	0.8483	10.3121						

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3571	31.4735	64.4270	0.2083	5.8380	0.7324	6.5705	1.6732	0.6739	2.3470						
Worker	4.4759	5.7417	73.7939	0.3659	29.3780	0.1885	29.5664	7.7908	0.1748	7.9656						
Total	9.8330	37.2152	138.2210	0.5742	35.2160	0.9209	36.1369	9.4639	0.8487	10.3126						

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3571	31.4735	64.4270	0.2083	5.8380	0.7324	6.5705	1.6732	0.6739	2.3470						
Worker	4.4759	5.7417	73.7939	0.3659	29.3780	0.1885	29.5664	7.7908	0.1748	7.9656						
Total	9.8330	37.2152	138.2210	0.5742	35.2160	0.9209	36.1369	9.4639	0.8487	10.3126						

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3937	31.3344	64.4122	0.2084	5.8387	0.7327	6.5715	1.6735	0.6741	2.3476						
Worker	4.3095	5.5568	71.9647	0.3659	29.3780	0.1887	29.5667	7.7908	0.1751	7.9659						
Total	9.7033	36.8912	136.3769	0.5743	35.2167	0.9215	36.1382	9.4642	0.8492	10.3134						

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3937	31.3344	64.4122	0.2084	5.8387	0.7327	6.5715	1.6735	0.6741	2.3476						
Worker	4.3095	5.5568	71.9647	0.3659	29.3780	0.1887	29.5667	7.7908	0.1751	7.9659						
Total	9.7033	36.8912	136.3769	0.5743	35.2167	0.9215	36.1382	9.4642	0.8492	10.3134						

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4263	31.2196	64.3824	0.2084	5.8394	0.7330	6.5724	1.6737	0.6744	2.3481						
Worker	4.1554	5.3948	70.3850	0.3659	29.3780	0.1889	29.5669	7.7908	0.1752	7.9660						
Total	9.5817	36.6143	134.7673	0.5744	35.2174	0.9219	36.1393	9.4645	0.8496	10.3141						

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4263	31.2196	64.3824	0.2084	5.8394	0.7330	6.5724	1.6737	0.6744	2.3481						
Worker	4.1554	5.3948	70.3850	0.3659	29.3780	0.1889	29.5669	7.7908	0.1752	7.9660						
Total	9.5817	36.6143	134.7673	0.5744	35.2174	0.9219	36.1393	9.4645	0.8496	10.3141						

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4293	31.0901	64.2692	0.2085	5.8400	0.7330	6.5730	1.6740	0.6744	2.3484						
Worker	4.0197	5.2612	69.1034	0.3659	29.3780	0.1890	29.5670	7.7908	0.1753	7.9661						
Total	9.4490	36.3512	133.3726	0.5744	35.2180	0.9220	36.1400	9.4647	0.8497	10.3144						

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4293	31.0901	64.2692	0.2085	5.8400	0.7330	6.5730	1.6740	0.6744	2.3484						
Worker	4.0197	5.2612	69.1034	0.3659	29.3780	0.1890	29.5670	7.7908	0.1753	7.9661						
Total	9.4490	36.3512	133.3726	0.5744	35.2180	0.9220	36.1400	9.4647	0.8497	10.3144						

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4256	30.9826	64.2063	0.2085	5.8406	0.7329	6.5735	1.6742	0.6743	2.3485						
Worker	3.8833	5.1485	67.8654	0.3660	29.3780	0.1888	29.5668	7.7908	0.1752	7.9660						
Total	9.3089	36.1311	132.0717	0.5744	35.2186	0.9218	36.1403	9.4650	0.8495	10.3144						

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4256	30.9826	64.2063	0.2085	5.8406	0.7329	6.5735	1.6742	0.6743	2.3485						
Worker	3.8833	5.1485	67.8654	0.3660	29.3780	0.1888	29.5668	7.7908	0.1752	7.9660						
Total	9.3089	36.1311	132.0717	0.5744	35.2186	0.9218	36.1403	9.4650	0.8495	10.3144						

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3962	30.8831	64.1239	0.2085	5.8410	0.7325	6.5735	1.6744	0.6739	2.3482						
Worker	3.7611	5.0603	66.7865	0.3660	29.3780	0.1886	29.5666	7.7908	0.1750	7.9658						
Total	9.1572	35.9433	130.9104	0.5745	35.2190	0.9211	36.1401	9.4651	0.8489	10.3140						

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3962	30.8831	64.1239	0.2085	5.8410	0.7325	6.5735	1.6744	0.6739	2.3482						
Worker	3.7611	5.0603	66.7865	0.3660	29.3780	0.1886	29.5666	7.7908	0.1750	7.9658						
Total	9.1572	35.9433	130.9104	0.5745	35.2190	0.9211	36.1401	9.4651	0.8489	10.3140						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	10.6927	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.4142	1.8435	22.8177	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.4142	1.8435	22.8177	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	10.6927	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.4142	1.8435	22.8177	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.4142	1.8435	22.8177	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	10.6694	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.3331	1.7226	21.3947	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.3331	1.7226	21.3947	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	10.6694	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.3331	1.7226	21.3947	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.3331	1.7226	21.3947	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	10.6551	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2617	1.6184	20.1422	0.0732	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						
Total	1.2617	1.6184	20.1422	0.0732	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	10.6551	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2617	1.6184	20.1422	0.0732	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						
Total	1.2617	1.6184	20.1422	0.0732	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000							
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708							
Total	10.6422	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708							

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000							
Worker	1.1952	1.5262	18.9923	0.0732	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917							
Total	1.1952	1.5262	18.9923	0.0732	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917							

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	10.6422	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1952	1.5262	18.9923	0.0732	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						
Total	1.1952	1.5262	18.9923	0.0732	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	10.6313	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1378	1.4483	18.0773	0.0732	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						
Total	1.1378	1.4483	18.0773	0.0732	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	10.6313	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1378	1.4483	18.0773	0.0732	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						
Total	1.1378	1.4483	18.0773	0.0732	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0893	1.3823	17.3194	0.0732	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						
Total	1.0893	1.3823	17.3194	0.0732	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0893	1.3823	17.3194	0.0732	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						
Total	1.0893	1.3823	17.3194	0.0732	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0462	1.3266	16.6887	0.0732	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						
Total	1.0462	1.3266	16.6887	0.0732	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0462	1.3266	16.6887	0.0732	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						
Total	1.0462	1.3266	16.6887	0.0732	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0057	1.2768	16.1286	0.0732	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						
Total	1.0057	1.2768	16.1286	0.0732	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0057	1.2768	16.1286	0.0732	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						
Total	1.0057	1.2768	16.1286	0.0732	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9677	1.2311	15.6331	0.0732	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						
Total	0.9677	1.2311	15.6331	0.0732	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9677	1.2311	15.6331	0.0732	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						
Total	0.9677	1.2311	15.6331	0.0732	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9299	1.1870	15.1537	0.0732	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						
Total	0.9299	1.1870	15.1537	0.0732	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9299	1.1870	15.1537	0.0732	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						
Total	0.9299	1.1870	15.1537	0.0732	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8952	1.1484	14.7588	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						
Total	0.8952	1.1484	14.7588	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8952	1.1484	14.7588	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						
Total	0.8952	1.1484	14.7588	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8619	1.1114	14.3929	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.8619	1.1114	14.3929	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8619	1.1114	14.3929	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.8619	1.1114	14.3929	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8311	1.0790	14.0770	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.8311	1.0790	14.0770	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8311	1.0790	14.0770	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.8311	1.0790	14.0770	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8039	1.0522	13.8207	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.8039	1.0522	13.8207	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8039	1.0522	13.8207	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.8039	1.0522	13.8207	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Worker	0.7767	1.0297	13.5731	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Total	0.7767	1.0297	13.5731	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7767	1.0297	13.5731	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.7767	1.0297	13.5731	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	10.5684	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7522	1.0121	13.3573	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						
Total	0.7522	1.0121	13.3573	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	10.5684	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7522	1.0121	13.3573	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						
Total	0.7522	1.0121	13.3573	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	55.3736	110.3068	519.6453	2.1481	135.0203	2.7993	137.8196	36.2289	2.5820	38.8109						
Unmitigated	55.3736	110.3068	519.6453	2.1481	135.0203	2.7993	137.8196	36.2289	2.5820	38.8109						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,340,767	2,340,767
Manufacturing	3,376.88	1,317.16	548.08	10,408,376	10,408,376
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,409,861	7,409,861
Regional Shopping Center	1,080.37	1,257.25	635.04	1,864,321	1,864,321
Research & Development	12,246.10	2,869.00	1676.10	27,095,907	27,095,907
Research & Development	372.25	87.21	50.95	823,644	823,644
Total	22,595.10	11,756.12	6,326.67	49,942,875	49,942,875

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.93	6.43	6.43	19.40	61.60	19.00	58	38	4
Manufacturing	14.93	6.43	6.43	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0
Parking Lot	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
NaturalGas Unmitigated	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250						
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251						
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003						
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184						
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045						
Total		1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878						
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003						
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178						
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129						
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237						
Total		1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	127.5289	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Unmitigated	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	11.0518					0.0000	0.0000		0.0000	0.0000						
Consumer Products	125.7755					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1055	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Total	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	11.0518					0.0000	0.0000		0.0000	0.0000						
Consumer Products	116.3717					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1055	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Total	127.5289	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - Air Quality (UNMITIGATED)
Yolo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle), with exception of PQP parcel = 224.42 acres + 11 acres for off-site sewer + 80 acres for off-site drainage basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - *modified haul trucks based on the use of 12 cubic yard haul trucks according to project engineer = 130000 / 12 = 10833 haul truck trips; would be hauled to off-site detention basin location

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblLandUse	LotAcreage	77.77	70.44

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43

tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.7349	60.7103	51.1212	0.0671	18.2962	2.8004	20.6630	9.9917	2.5763	12.1692						
2019	5.2885	55.2919	48.6468	0.0671	7.3909	2.5169	9.9078	3.5211	2.3155	5.8366						
2020	29.7841	88.4504	302.1929	0.6253	41.0837	2.3364	43.4201	11.0189	2.1823	13.2012						
2021	27.9576	76.4497	284.2701	0.6248	41.0847	2.0684	43.1531	11.0193	1.9314	12.9507						
2022	26.8038	68.8026	266.9324	0.6244	41.0857	1.8911	42.9768	11.0197	1.7648	12.7845						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	25.1253	62.5472	241.5356	0.6238	41.0863	1.7203	42.8067	11.0199	1.6047	12.6247						
2024	24.5698	60.5212	233.7884	0.6238	41.0875	1.6276	42.7151	11.0204	1.5166	12.5371						
2025	23.9216	58.5806	223.7618	0.6237	41.0886	1.5355	42.6241	11.0209	1.4294	12.4503						
2026	23.6256	57.7558	218.8129	0.6237	41.0892	1.5368	42.6260	11.0211	1.4306	12.4517						
2027	23.4375	57.1056	215.2619	0.6237	41.0899	1.5391	42.6290	11.0214	1.4327	12.4541						
2028	23.2354	56.4995	211.8988	0.6237	41.0906	1.5404	42.6310	11.0217	1.4339	12.4556						
2029	23.0479	55.9565	208.9214	0.6238	41.0912	1.5413	42.6325	11.0219	1.4347	12.4566						
2030	22.6771	50.6277	205.5754	0.6277	41.0916	1.1332	42.2248	11.0221	1.0577	12.0798						
2031	22.5600	50.1989	203.6676	0.6278	41.0923	1.1337	42.2261	11.0224	1.0583	12.0806						
2032	22.4527	49.8323	202.0002	0.6278	41.0930	1.1342	42.2272	11.0226	1.0586	12.0813						
2033	22.3215	49.4906	200.4854	0.6278	41.0936	1.1343	42.2279	11.0229	1.0588	12.0816						
2034	22.1821	49.2064	199.1208	0.6279	41.0941	1.1340	42.2282	11.0231	1.0585	12.0816						
2035	21.9221	48.1013	197.8399	0.6279	41.0946	1.0654	42.1599	11.0233	0.9899	12.0132						
Total	401.5508	1,108.001 2	3,756.267 3	10.1832	701.4201	32.1444	733.1311	199.8458	29.8701	229.3171						

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.7349	60.7103	51.1212	0.0671	18.2962	2.8004	20.6630	9.9917	2.5763	12.1692						
2019	5.2885	55.2919	48.6468	0.0671	7.3909	2.5169	9.9078	3.5211	2.3155	5.8366						
2020	29.7841	88.4504	302.1929	0.6253	41.0837	2.3364	43.4201	11.0189	2.1823	13.2012						
2021	27.9576	76.4497	284.2701	0.6248	41.0847	2.0684	43.1531	11.0193	1.9314	12.9507						
2022	26.8038	68.8026	266.9324	0.6244	41.0857	1.8911	42.9768	11.0197	1.7648	12.7845						
2023	25.1253	62.5472	241.5356	0.6238	41.0863	1.7203	42.8067	11.0199	1.6047	12.6247						
2024	24.5698	60.5212	233.7884	0.6238	41.0875	1.6276	42.7151	11.0204	1.5166	12.5371						
2025	23.9216	58.5806	223.7618	0.6237	41.0886	1.5355	42.6241	11.0209	1.4294	12.4503						
2026	23.6256	57.7558	218.8129	0.6237	41.0892	1.5368	42.6260	11.0211	1.4306	12.4517						
2027	23.4375	57.1056	215.2619	0.6237	41.0899	1.5391	42.6290	11.0214	1.4327	12.4541						
2028	23.2354	56.4995	211.8988	0.6237	41.0906	1.5404	42.6310	11.0217	1.4339	12.4556						
2029	23.0479	55.9565	208.9214	0.6238	41.0912	1.5413	42.6325	11.0219	1.4347	12.4566						
2030	22.6771	50.6277	205.5754	0.6277	41.0916	1.1332	42.2248	11.0221	1.0577	12.0798						
2031	22.5600	50.1989	203.6676	0.6278	41.0923	1.1337	42.2261	11.0224	1.0583	12.0806						
2032	22.4527	49.8323	202.0002	0.6278	41.0930	1.1342	42.2272	11.0226	1.0586	12.0813						
2033	22.3215	49.4906	200.4854	0.6278	41.0936	1.1343	42.2279	11.0229	1.0588	12.0816						
2034	22.1821	49.2064	199.1208	0.6279	41.0941	1.1340	42.2282	11.0231	1.0585	12.0816						

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Energy	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						
Mobile	52.7016	122.5205	605.7398	1.9718	135.0203	2.8124	137.8327	36.2289	2.5941	38.8229						
Total	191.2744	137.4400	619.4164	2.0614	135.0203	3.9496	138.9699	36.2289	3.7313	39.9601						

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	127.5289	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Energy	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
Mobile	52.7016	122.5205	605.7398	1.9718	135.0203	2.8124	137.8327	36.2289	2.5941	38.8229						
Total	181.3808	132.9873	615.6761	2.0347	135.0203	3.6112	138.6315	36.2289	3.3928	39.6217						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.17	3.24	0.60	1.30	0.00	8.57	0.24	0.00	9.07	0.85	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0572	0.1074	0.9191	2.5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	0.0572	0.1074	0.9191	2.5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0572	0.1074	0.9191	2.5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	0.0572	0.1074	0.9191	2.5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3818	1.0572	7.7933	2.5500e-003	0.0716	0.0107	0.0823	0.0190	9.8300e-003	0.0288						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0635	0.1194	1.0212	2.8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.4453	1.1765	8.8144	5.3700e-003	0.3270	0.0123	0.3393	0.0867	0.0113	0.0981						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3818	1.0572	7.7933	2.5500e-003	0.0716	0.0107	0.0823	0.0190	9.8300e-003	0.0288						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0635	0.1194	1.0212	2.8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.4453	1.1765	8.8144	5.3700e-003	0.3270	0.0123	0.3393	0.0867	0.0113	0.0981						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3402	0.9853	7.4373	2.5400e-003	0.1051	0.0104	0.1155	0.0272	9.5500e-003	0.0368						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0571	0.1088	0.9206	2.8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	0.3973	1.0941	8.3579	5.3400e-003	0.3606	0.0120	0.3726	0.0950	0.0110	0.1060						

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3402	0.9853	7.4373	2.5400e-003	0.1051	0.0104	0.1155	0.0272	9.5500e-003	0.0368						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0571	0.1088	0.9206	2.8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	0.3973	1.0941	8.3579	5.3400e-003	0.3606	0.0120	0.3726	0.0950	0.0110	0.1060						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	2.0906	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	2.0906	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	1.9948	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	1.9948	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	9.7345	53.8637	167.1905	0.2087	5.8302	0.8962	6.7264	1.6700	0.8243	2.4943						
Worker	6.0381	11.5158	96.9688	0.3224	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	15.7726	65.3795	264.1593	0.5311	35.2082	1.0766	36.2847	9.4607	0.9915	10.4522						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	9.7345	53.8637	167.1905	0.2087	5.8302	0.8962	6.7264	1.6700	0.8243	2.4943						
Worker	6.0381	11.5158	96.9688	0.3224	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	15.7726	65.3795	264.1593	0.5311	35.2082	1.0766	36.2847	9.4607	0.9915	10.4522						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	8.5688	44.6830	157.2584	0.2082	5.8311	0.8031	6.6342	1.6704	0.7389	2.4092						
Worker	5.6886	10.7497	90.5471	0.3224	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	14.2574	55.4327	247.8055	0.5305	35.2091	0.9834	36.1925	9.4611	0.9060	10.3672						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	8.5688	44.6830	157.2584	0.2082	5.8311	0.8031	6.6342	1.6704	0.7389	2.4092						
Worker	5.6886	10.7497	90.5471	0.3224	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	14.2574	55.4327	247.8055	0.5305	35.2091	0.9834	36.1925	9.4611	0.9060	10.3672						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	7.9913	39.7507	146.9113	0.2078	5.8321	0.7869	6.6190	1.6708	0.7240	2.3947						
Worker	5.3820	10.0892	84.8999	0.3223	29.3780	0.1806	29.5586	7.7908	0.1675	7.9583						
Total	13.3732	49.8399	231.8112	0.5302	35.2101	0.9675	36.1776	9.4615	0.8915	10.3530						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	7.9913	39.7507	146.9113	0.2078	5.8321	0.7869	6.6190	1.6708	0.7240	2.3947						
Worker	5.3820	10.0892	84.8999	0.3223	29.3780	0.1806	29.5586	7.7908	0.1675	7.9583						
Total	13.3732	49.8399	231.8112	0.5302	35.2101	0.9675	36.1776	9.4615	0.8915	10.3530						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.7996	35.5277	127.8600	0.2072	5.8328	0.7356	6.5683	1.6710	0.6768	2.3478						
Worker	5.0979	9.5033	79.7127	0.3223	29.3780	0.1810	29.5590	7.7908	0.1679	7.9587						
Total	11.8975	45.0309	207.5727	0.5295	35.2107	0.9166	36.1273	9.4618	0.8447	10.3065						

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.7996	35.5277	127.8600	0.2072	5.8328	0.7356	6.5683	1.6710	0.6768	2.3478						
Worker	5.0979	9.5033	79.7127	0.3223	29.3780	0.1810	29.5590	7.7908	0.1679	7.9587						
Total	11.8975	45.0309	207.5727	0.5295	35.2107	0.9166	36.1273	9.4618	0.8447	10.3065						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.6482	35.1148	125.1168	0.2073	5.8340	0.7381	6.5720	1.6715	0.6790	2.3506						
Worker	4.8542	9.0085	75.6069	0.3222	29.3780	0.1817	29.5597	7.7908	0.1686	7.9594						
Total	11.5024	44.1233	200.7237	0.5295	35.2119	0.9198	36.1317	9.4623	0.8476	10.3099						

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.6482	35.1148	125.1168	0.2073	5.8340	0.7381	6.5720	1.6715	0.6790	2.3506						
Worker	4.8542	9.0085	75.6069	0.3222	29.3780	0.1817	29.5597	7.7908	0.1686	7.9594						
Total	11.5024	44.1233	200.7237	0.5295	35.2119	0.9198	36.1317	9.4623	0.8476	10.3099						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.3601	34.7169	119.2471	0.2072	5.8350	0.7396	6.5746	1.6720	0.6804	2.3524						
Worker	4.6489	8.5904	72.2115	0.3222	29.3780	0.1828	29.5608	7.7908	0.1696	7.9604						
Total	11.0090	43.3073	191.4585	0.5294	35.2130	0.9224	36.1354	9.4627	0.8500	10.3128						

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.3601	34.7169	119.2471	0.2072	5.8350	0.7396	6.5746	1.6720	0.6804	2.3524						
Worker	4.6489	8.5904	72.2115	0.3222	29.3780	0.1828	29.5608	7.7908	0.1696	7.9604						
Total	11.0090	43.3073	191.4585	0.5294	35.2130	0.9224	36.1354	9.4627	0.8500	10.3128						

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2806	34.3141	117.6834	0.2072	5.8356	0.7389	6.5746	1.6722	0.6798	2.3520						
Worker	4.4684	8.2387	69.3905	0.3222	29.3780	0.1844	29.5624	7.7908	0.1711	7.9619						
Total	10.7490	42.5528	187.0739	0.5294	35.2136	0.9234	36.1370	9.4630	0.8509	10.3139						

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2806	34.3141	117.6834	0.2072	5.8356	0.7389	6.5746	1.6722	0.6798	2.3520						
Worker	4.4684	8.2387	69.3905	0.3222	29.3780	0.1844	29.5624	7.7908	0.1711	7.9619						
Total	10.7490	42.5528	187.0739	0.5294	35.2136	0.9234	36.1370	9.4630	0.8509	10.3139						

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2950	34.0417	117.1348	0.2073	5.8364	0.7396	6.5760	1.6725	0.6805	2.3530						
Worker	4.2997	7.9239	66.8885	0.3222	29.3780	0.1858	29.5638	7.7908	0.1723	7.9631						
Total	10.5947	41.9656	184.0233	0.5295	35.2143	0.9254	36.1397	9.4633	0.8528	10.3161						

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2950	34.0417	117.1348	0.2073	5.8364	0.7396	6.5760	1.6725	0.6805	2.3530						
Worker	4.2997	7.9239	66.8885	0.3222	29.3780	0.1858	29.5638	7.7908	0.1723	7.9631						
Total	10.5947	41.9656	184.0233	0.5295	35.2143	0.9254	36.1397	9.4633	0.8528	10.3161						

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2792	33.7821	116.4196	0.2073	5.8370	0.7395	6.5766	1.6728	0.6804	2.3532						
Worker	4.1445	7.6352	64.6819	0.3222	29.3780	0.1869	29.5649	7.7908	0.1734	7.9642						
Total	10.4237	41.4173	181.1015	0.5295	35.2150	0.9265	36.1415	9.4635	0.8538	10.3173						

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2792	33.7821	116.4196	0.2073	5.8370	0.7395	6.5766	1.6728	0.6804	2.3532						
Worker	4.1445	7.6352	64.6819	0.3222	29.3780	0.1869	29.5649	7.7908	0.1734	7.9642						
Total	10.4237	41.4173	181.1015	0.5295	35.2150	0.9265	36.1415	9.4635	0.8538	10.3173						

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2741	33.5742	115.9978	0.2073	5.8376	0.7394	6.5770	1.6730	0.6803	2.3533						
Worker	3.9925	7.3559	62.5523	0.3222	29.3780	0.1878	29.5658	7.7908	0.1742	7.9650						
Total	10.2665	40.9301	178.5500	0.5295	35.2156	0.9272	36.1428	9.4638	0.8545	10.3182						

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2741	33.5742	115.9978	0.2073	5.8376	0.7394	6.5770	1.6730	0.6803	2.3533						
Worker	3.9925	7.3559	62.5523	0.3222	29.3780	0.1878	29.5658	7.7908	0.1742	7.9650						
Total	10.2665	40.9301	178.5500	0.5295	35.2156	0.9272	36.1428	9.4638	0.8545	10.3182						

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.1657	33.3194	114.6902	0.2073	5.8380	0.7391	6.5772	1.6732	0.6800	2.3532						
Worker	3.8550	7.1118	60.7968	0.3222	29.3780	0.1885	29.5664	7.7908	0.1748	7.9656						
Total	10.0207	40.4312	175.4870	0.5295	35.2160	0.9276	36.1436	9.4639	0.8548	10.3188						

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.1657	33.3194	114.6902	0.2073	5.8380	0.7391	6.5772	1.6732	0.6800	2.3532						
Worker	3.8550	7.1118	60.7968	0.3222	29.3780	0.1885	29.5664	7.7908	0.1748	7.9656						
Total	10.0207	40.4312	175.4870	0.5295	35.2160	0.9276	36.1436	9.4639	0.8548	10.3188						

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2050	33.1715	114.7405	0.2074	5.8387	0.7393	6.5781	1.6735	0.6802	2.3537						
Worker	3.7247	6.8777	59.1650	0.3222	29.3780	0.1887	29.5667	7.7908	0.1751	7.9659						
Total	9.9297	40.0492	173.9055	0.5295	35.2167	0.9281	36.1448	9.4642	0.8553	10.3195						

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2050	33.1715	114.7405	0.2074	5.8387	0.7393	6.5781	1.6735	0.6802	2.3537						
Worker	3.7247	6.8777	59.1650	0.3222	29.3780	0.1887	29.5667	7.7908	0.1751	7.9659						
Total	9.9297	40.0492	173.9055	0.5295	35.2167	0.9281	36.1448	9.4642	0.8553	10.3195						

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2401	33.0505	114.7617	0.2074	5.8394	0.7396	6.5790	1.6737	0.6804	2.3542						
Worker	3.6060	6.6730	57.7579	0.3222	29.3780	0.1889	29.5669	7.7908	0.1752	7.9660						
Total	9.8461	39.7235	172.5196	0.5296	35.2174	0.9285	36.1459	9.4645	0.8557	10.3202						

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2401	33.0505	114.7617	0.2074	5.8394	0.7396	6.5790	1.6737	0.6804	2.3542						
Worker	3.6060	6.6730	57.7579	0.3222	29.3780	0.1889	29.5669	7.7908	0.1752	7.9660						
Total	9.8461	39.7235	172.5196	0.5296	35.2174	0.9285	36.1459	9.4645	0.8557	10.3202						

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2415	32.9107	114.6170	0.2075	5.8400	0.7396	6.5797	1.6740	0.6805	2.3544						
Worker	3.4955	6.5048	56.6162	0.3222	29.3780	0.1890	29.5670	7.7908	0.1753	7.9661						
Total	9.7370	39.4155	171.2331	0.5296	35.2180	0.9286	36.1466	9.4647	0.8558	10.3205						

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2415	32.9107	114.6170	0.2075	5.8400	0.7396	6.5797	1.6740	0.6805	2.3544						
Worker	3.4955	6.5048	56.6162	0.3222	29.3780	0.1890	29.5670	7.7908	0.1753	7.9661						
Total	9.7370	39.4155	171.2331	0.5296	35.2180	0.9286	36.1466	9.4647	0.8558	10.3205						

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2363	32.7962	114.5647	0.2075	5.8406	0.7395	6.5801	1.6742	0.6804	2.3546						
Worker	3.3837	6.3633	55.5225	0.3222	29.3780	0.1888	29.5668	7.7908	0.1752	7.9660						
Total	9.6200	39.1595	170.0873	0.5296	35.2186	0.9284	36.1469	9.4650	0.8556	10.3205						

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2363	32.7962	114.5647	0.2075	5.8406	0.7395	6.5801	1.6742	0.6804	2.3546						
Worker	3.3837	6.3633	55.5225	0.3222	29.3780	0.1888	29.5668	7.7908	0.1752	7.9660						
Total	9.6200	39.1595	170.0873	0.5296	35.2186	0.9284	36.1469	9.4650	0.8556	10.3205						

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2001	32.6892	114.4644	0.2075	5.8410	0.7391	6.5800	1.6744	0.6799	2.3543						
Worker	3.2845	6.2528	54.5742	0.3222	29.3780	0.1886	29.5666	7.7908	0.1750	7.9658						
Total	9.4846	38.9420	169.0386	0.5297	35.2190	0.9277	36.1467	9.4651	0.8549	10.3201						

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2001	32.6892	114.4644	0.2075	5.8410	0.7391	6.5800	1.6744	0.6799	2.3543						
Worker	3.2845	6.2528	54.5742	0.3222	29.3780	0.1886	29.5666	7.7908	0.1750	7.9658						
Total	9.4846	38.9420	169.0386	0.5297	35.2190	0.9277	36.1467	9.4651	0.8549	10.3201						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	10.6927	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2076	2.3032	19.3938	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.2076	2.3032	19.3938	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	10.6927	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2076	2.3032	19.3938	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.2076	2.3032	19.3938	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	10.6694	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1377	2.1499	18.1094	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.1377	2.1499	18.1094	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	10.6694	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1377	2.1499	18.1094	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.1377	2.1499	18.1094	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	10.6551	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0764	2.0178	16.9800	0.0645	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						
Total	1.0764	2.0178	16.9800	0.0645	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	10.6551	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0764	2.0178	16.9800	0.0645	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						
Total	1.0764	2.0178	16.9800	0.0645	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	10.6422	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0196	1.9007	15.9426	0.0645	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						
Total	1.0196	1.9007	15.9426	0.0645	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	10.6422	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0196	1.9007	15.9426	0.0645	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						
Total	1.0196	1.9007	15.9426	0.0645	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	10.6313	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9708	1.8017	15.1214	0.0645	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						
Total	0.9708	1.8017	15.1214	0.0645	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	10.6313	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9708	1.8017	15.1214	0.0645	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						
Total	0.9708	1.8017	15.1214	0.0645	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9298	1.7181	14.4423	0.0644	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						
Total	0.9298	1.7181	14.4423	0.0644	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9298	1.7181	14.4423	0.0644	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						
Total	0.9298	1.7181	14.4423	0.0644	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8937	1.6477	13.8781	0.0644	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						
Total	0.8937	1.6477	13.8781	0.0644	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8937	1.6477	13.8781	0.0644	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						
Total	0.8937	1.6477	13.8781	0.0644	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8599	1.5848	13.3777	0.0644	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						
Total	0.8599	1.5848	13.3777	0.0644	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8599	1.5848	13.3777	0.0644	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						
Total	0.8599	1.5848	13.3777	0.0644	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8289	1.5271	12.9364	0.0644	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						
Total	0.8289	1.5271	12.9364	0.0644	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8289	1.5271	12.9364	0.0644	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						
Total	0.8289	1.5271	12.9364	0.0644	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7985	1.4712	12.5105	0.0644	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						
Total	0.7985	1.4712	12.5105	0.0644	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7985	1.4712	12.5105	0.0644	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						
Total	0.7985	1.4712	12.5105	0.0644	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7710	1.4224	12.1594	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						
Total	0.7710	1.4224	12.1594	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7710	1.4224	12.1594	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						
Total	0.7710	1.4224	12.1594	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7450	1.3755	11.8330	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.7450	1.3755	11.8330	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7450	1.3755	11.8330	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.7450	1.3755	11.8330	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7212	1.3346	11.5516	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.7212	1.3346	11.5516	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7212	1.3346	11.5516	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.7212	1.3346	11.5516	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6991	1.3010	11.3232	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.6991	1.3010	11.3232	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6991	1.3010	11.3232	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.6991	1.3010	11.3232	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6767	1.2727	11.1045	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.6767	1.2727	11.1045	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6767	1.2727	11.1045	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.6767	1.2727	11.1045	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	10.5684	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6569	1.2506	10.9148	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						
Total	0.6569	1.2506	10.9148	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	10.5684	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6569	1.2506	10.9148	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						
Total	0.6569	1.2506	10.9148	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	52.7016	122.5205	605.7398	1.9718	135.0203	2.8124	137.8327	36.2289	2.5941	38.8229						
Unmitigated	52.7016	122.5205	605.7398	1.9718	135.0203	2.8124	137.8327	36.2289	2.5941	38.8229						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,340,767	2,340,767
Manufacturing	3,376.88	1,317.16	548.08	10,408,376	10,408,376
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,409,861	7,409,861
Regional Shopping Center	1,080.37	1,257.25	635.04	1,864,321	1,864,321
Research & Development	12,246.10	2,869.00	1676.10	27,095,907	27,095,907
Research & Development	372.25	87.21	50.95	823,644	823,644
Total	22,595.10	11,756.12	6,326.67	49,942,875	49,942,875

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.93	6.43	6.43	19.40	61.60	19.00	58	38	4
Manufacturing	14.93	6.43	6.43	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0
Parking Lot	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947							
NaturalGas Unmitigated	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331							

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251						
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003						
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184						
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045						
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250						
Total		1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003						
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178						
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129						
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237						
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878						
Total		1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	127.5289	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Unmitigated	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	11.0518					0.0000	0.0000		0.0000	0.0000						
Consumer Products	125.7755					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1055	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Total	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	11.0518					0.0000	0.0000		0.0000	0.0000						
Consumer Products	116.3717					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1055	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Total	127.5289	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - Air Quality (UNMITIGATED)
Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	3.17630E-001	2.13234E+000	3.48618E+000	5.73000E-003	9.19400E-002	9.19400E-002						
Cranes	5.15850E-001	4.31996E+000	2.71083E+000	1.03400E-002	1.75840E-001	1.63120E-001						
Excavators	1.12620E-001	1.18846E+000	1.32468E+000	2.09000E-003	5.75200E-002	5.29200E-002						
Forklifts	5.50450E-001	4.40816E+000	6.72340E+000	9.61000E-003	2.15610E-001	1.99470E-001						
Generator Sets	4.95590E-001	4.46859E+000	7.05460E+000	1.27000E-002	1.68440E-001	1.68440E-001						
Graders	1.59260E-001	1.58398E+000	9.16620E-001	1.23000E-003	8.89000E-002	8.17800E-002						
Pavers	7.33000E-002	7.88960E-001	7.80650E-001	1.27000E-003	3.84700E-002	3.53900E-002						
Paving Equipment	5.77900E-002	6.02630E-001	6.97720E-001	1.12000E-003	3.00500E-002	2.76400E-002						
Rollers	6.02500E-002	5.99810E-001	5.31630E-001	7.30000E-004	3.87200E-002	3.56200E-002						
Rubber Tired Dozers	4.73290E-001	5.18389E+000	3.94429E+000	3.76000E-003	2.39960E-001	2.20760E-001						
Scrapers	4.33260E-001	5.32047E+000	3.30415E+000	5.89000E-003	2.09230E-001	1.92500E-001						
Tractors/Loaders/Backhoes	9.85500E-001	8.57557E+000	1.31672E+001	1.92200E-002	3.96300E-001	3.67360E-001						
Welders	4.13740E-001	2.54561E+000	3.17587E+000	4.93000E-003	7.30800E-002	7.30800E-002						

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	3.17630E-001	2.13233E+000	3.48618E+000	5.73000E-003	9.19400E-002	9.19400E-002						
Cranes	5.15850E-001	4.31996E+000	2.71083E+000	1.03400E-002	1.75840E-001	1.63120E-001						
Excavators	1.12620E-001	1.18846E+000	1.32467E+000	2.09000E-003	5.75200E-002	5.29200E-002						
Forklifts	5.50450E-001	4.40816E+000	6.72339E+000	9.61000E-003	2.15610E-001	1.99470E-001						
Generator Sets	4.95590E-001	4.46859E+000	7.05459E+000	1.27000E-002	1.68440E-001	1.68440E-001						
Graders	1.59260E-001	1.58398E+000	9.16620E-001	1.23000E-003	8.89000E-002	8.17800E-002						
Pavers	7.33000E-002	7.88950E-001	7.80650E-001	1.27000E-003	3.84700E-002	3.53900E-002						
Paving Equipment	5.77900E-002	6.02630E-001	6.97720E-001	1.12000E-003	3.00500E-002	2.76400E-002						
Rollers	6.02500E-002	5.99810E-001	5.31630E-001	7.30000E-004	3.87200E-002	3.56200E-002						
Rubber Tired Dozers	4.73290E-001	5.18389E+000	3.94429E+000	3.76000E-003	2.39960E-001	2.20760E-001						
Scrapers	4.33260E-001	5.32046E+000	3.30414E+000	5.89000E-003	2.09230E-001	1.92500E-001						
Tractors/Loaders/Balckhoes	9.85500E-001	8.57556E+000	1.31672E+001	1.92200E-002	3.96300E-001	3.67360E-001						
Welders	4.13740E-001	2.54560E+000	3.17587E+000	4.93000E-003	7.30800E-002	7.30800E-002						

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	4.68968E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Excavators	0.00000E+000	0.00000E+000	7.54899E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Forklifts	0.00000E+000	0.00000E+000	1.48734E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Generator Sets	0.00000E+000	0.00000E+000	1.41751E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	1.26749E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Scrapers	0.00000E+000	1.87953E-006	3.02650E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Balckhoes	0.00000E+000	1.16610E-006	1.51892E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Welders	0.00000E+000	3.92833E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	10.98	2.92	10.98	2.92	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	65.84	17.74	65.84	17.74	0.00	0.00
Grading	Fugitive Dust	2.78	1.35	2.78	1.35	0.00	0.00
Grading	Roads	0.07	0.02	0.07	0.02	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Site Preparation	Fugitive Dust	2.71	1.49	2.71	1.49	0.00	0.00
Site Preparation	Roads	0.02	0.00	0.02	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	29.87	29.87	29.87	29.84	29.86	29.86	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.21	0.50		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00	
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00	
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00	
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00	0.00	
No	Transit Improvements	Expand Transit Network	0.00	0.00	
No	Transit Improvements	Increase Transit Frequency	0.00		0.00
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	3.00		
No	Commute	Workplace Parking Charge		0.00	
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	5.00		
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	50.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	30.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Mace Ranch Innovation Center - Air Quality (MITIGATED)
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

Trips and VMT - *modified haul trucks based on the use of 12 cubic yard haul trucks according to project engineer = 130000 / 12 = 10833 haul truck trips; would be hauled to off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle), with exception of PQP parcel = 224.42 acres + 11 acres for off-site sewer + 80 acres for off-site drainage basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation - mitigation requires use of only zero-VOC paints

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42

tblGrading	MaterialExported	0.00	130,000.00
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblLandUse	LotAcreage	77.77	70.44
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81

tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3186	3.3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134						
2018	0.7249	7.7687	6.2476	8.5100e-003	2.7838	0.3611	3.1449	1.4322	0.3322	1.7644						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019	0.5160	5.0581	4.3743	6.4800e-003	1.4253	0.2372	1.6624	0.6864	0.2182	0.9046						
2020	1.3697	5.0098	12.4704	0.0301	1.7585	0.1670	1.9254	0.4730	0.1550	0.6280						
2021	3.4741	9.6971	30.9928	0.0830	5.1933	0.2692	5.4625	1.3967	0.2514	1.6481						
2022	3.3351	8.6871	29.1920	0.0827	5.1736	0.2451	5.4187	1.3914	0.2288	1.6202						
2023	3.1576	7.8952	26.9151	0.0826	5.1736	0.2231	5.3968	1.3915	0.2081	1.5996						
2024	3.1152	7.7014	26.2477	0.0832	5.2136	0.2127	5.4263	1.4022	0.1982	1.6004						
2025	3.0317	7.4281	25.1628	0.0829	5.1938	0.1999	5.3937	1.3969	0.1861	1.5830						
2026	2.9964	7.3281	24.5922	0.0829	5.1939	0.2000	5.3940	1.3970	0.1862	1.5832						
2027	2.9729	7.2494	24.1606	0.0829	5.1940	0.2003	5.3944	1.3970	0.1865	1.5835						
2028	2.9365	7.1487	23.6641	0.0826	5.1742	0.1997	5.3739	1.3917	0.1859	1.5776						
2029	2.9238	7.1107	23.3856	0.0829	5.1942	0.2006	5.3948	1.3971	0.1868	1.5838						
2030	2.8776	6.4206	23.0009	0.0835	5.1942	0.1474	5.3416	1.3971	0.1376	1.5347						
2031	2.8618	6.3690	22.7521	0.0835	5.1943	0.1475	5.3418	1.3971	0.1376	1.5348						
2032	2.8581	6.3491	22.6214	0.0838	5.2143	0.1481	5.3624	1.4025	0.1382	1.5407						
2033	2.8196	6.2595	22.2580	0.0832	5.1746	0.1470	5.3216	1.3918	0.1372	1.5290						
2034	2.8020	6.2252	22.0829	0.0832	5.1747	0.1469	5.3216	1.3919	0.1372	1.5290						
2035	1.3342	2.8172	10.1812	0.0387	2.4168	0.0639	2.4807	0.6500	0.0594	0.7094						
Total	46.4258	125.8937	382.9284	1.2493	82.4101	3.6958	86.1059	23.5321	3.4353	26.9674						

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3186	3.3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134						
2018	0.7249	7.7687	6.2476	8.5100e-003	2.7838	0.3611	3.1449	1.4322	0.3322	1.7644						
2019	0.5160	5.0581	4.3743	6.4800e-003	1.4253	0.2372	1.6624	0.6864	0.2182	0.9046						
2020	1.3697	5.0098	12.4704	0.0301	1.7585	0.1670	1.9254	0.4730	0.1550	0.6280						
2021	3.4741	9.6971	30.9928	0.0830	5.1933	0.2692	5.4625	1.3967	0.2514	1.6481						
2022	3.3351	8.6871	29.1920	0.0827	5.1736	0.2451	5.4187	1.3914	0.2288	1.6202						
2023	3.1576	7.8952	26.9151	0.0826	5.1736	0.2231	5.3968	1.3915	0.2081	1.5996						
2024	3.1152	7.7014	26.2477	0.0832	5.2136	0.2127	5.4263	1.4022	0.1982	1.6004						
2025	3.0317	7.4280	25.1628	0.0829	5.1938	0.1999	5.3937	1.3969	0.1861	1.5830						
2026	2.9964	7.3281	24.5922	0.0829	5.1939	0.2000	5.3940	1.3970	0.1862	1.5832						
2027	2.9729	7.2494	24.1606	0.0829	5.1940	0.2003	5.3943	1.3970	0.1865	1.5835						
2028	2.9365	7.1487	23.6641	0.0826	5.1742	0.1997	5.3739	1.3917	0.1859	1.5776						
2029	2.9238	7.1107	23.3856	0.0829	5.1942	0.2006	5.3948	1.3971	0.1868	1.5838						
2030	2.8776	6.4206	23.0009	0.0835	5.1942	0.1474	5.3416	1.3971	0.1376	1.5347						
2031	2.8618	6.3690	22.7521	0.0835	5.1943	0.1475	5.3418	1.3971	0.1376	1.5348						

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	24.9805	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Energy	0.2993	2.7209	2.2856	0.0163		0.2068	0.2068		0.2068	0.2068						
Mobile	7.0506	15.6551	71.1646	0.2614	16.9592	0.3674	17.3266	4.5631	0.3389	4.9020						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	32.3304	18.3770	73.5539	0.2777	16.9592	0.5746	17.5338	4.5631	0.5461	5.1091						

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	21.2473	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004							
Energy	0.2099	1.9083	1.6030	0.0115		0.1450	0.1450		0.1450	0.1450							
Mobile	7.0506	15.6551	71.1646	0.2614	16.9592	0.3674	17.3266	4.5631	0.3389	4.9020							
Waste						0.0000	0.0000		0.0000	0.0000							
Water						0.0000	0.0000		0.0000	0.0000							
Total	28.5078	17.5644	72.8713	0.2729	16.9592	0.5128	17.4720	4.5631	0.4843	5.0474							

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	11.82	4.42	0.93	1.76	0.00	10.75	0.35	0.00	11.31	1.21	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.3145	3.3640	2.5608	2.5400e-003		0.1790	0.1790		0.1647	0.1647						
Total	0.3145	3.3640	2.5608	2.5400e-003	1.3550	0.1790	1.5340	0.7448	0.1647	0.9095						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						
Total	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.3145	3.3640	2.5608	2.5400e-003		0.1790	0.1790		0.1647	0.1647						
Total	0.3145	3.3640	2.5608	2.5400e-003	1.3550	0.1790	1.5340	0.7448	0.1647	0.9095						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						
Total	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003						

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.0429	0.4561	0.3624	3.9000e-004		0.0237	0.0237		0.0218	0.0218						
Total	0.0429	0.4561	0.3624	3.9000e-004	1.3550	0.0237	1.3786	0.7448	0.0218	0.7666						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						
Total	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448						
Off-Road	0.0429	0.4561	0.3624	3.9000e-004		0.0237	0.0237		0.0218	0.0218						
Total	0.0429	0.4561	0.3624	3.9000e-004	1.3550	0.0237	1.3786	0.7448	0.0218	0.7666						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						
Total	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767						
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091						
Total	0.6374	7.1738	5.0980	7.4400e-003	1.3885	0.3360	1.7245	0.6767	0.3091	0.9857						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0367	0.1251	0.6570	3.1000e-004	8.3600e-003	1.2700e-003	9.6300e-003	2.2200e-003	1.1700e-003	3.3900e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	7.4200e-003	0.0128	0.1213	3.5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003						
Total	0.0441	0.1379	0.7782	6.6000e-004	0.0382	1.4700e-003	0.0396	0.0101	1.3500e-003	0.0115						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767						
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091						
Total	0.6374	7.1738	5.0980	7.4400e-003	1.3885	0.3360	1.7245	0.6767	0.3091	0.9857						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0367	0.1251	0.6570	3.1000e-004	8.3600e-003	1.2700e-003	9.6300e-003	2.2200e-003	1.1700e-003	3.3900e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	7.4200e-003	0.0128	0.1213	3.5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003						
Total	0.0441	0.1379	0.7782	6.6000e-004	0.0382	1.4700e-003	0.0396	0.0101	1.3500e-003	0.0115						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767						
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775						
Total	0.3766	4.1732	3.1022	4.7500e-003	1.3885	0.1929	1.5814	0.6767	0.1775	0.8541						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0210	0.0745	0.3968	1.9000e-004	7.8300e-003	7.9000e-004	8.6200e-003	2.0300e-003	7.2000e-004	2.7600e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.2800e-003	7.4400e-003	0.0702	2.2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003						
Total	0.0253	0.0819	0.4670	4.1000e-004	0.0269	9.1000e-004	0.0278	7.0900e-003	8.3000e-004	7.9300e-003						

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767						
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775						
Total	0.3766	4.1732	3.1022	4.7500e-003	1.3885	0.1929	1.5814	0.6767	0.1775	0.8541						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0210	0.0745	0.3968	1.9000e-004	7.8300e-003	7.9000e-004	8.6200e-003	2.0300e-003	7.2000e-004	2.7600e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	4.2800e-003	7.4400e-003	0.0702	2.2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003						
Total	0.0253	0.0819	0.4670	4.1000e-004	0.0269	9.1000e-004	0.0278	7.0900e-003	8.3000e-004	7.9300e-003						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						
Paving	0.0356					0.0000	0.0000		0.0000	0.0000						
Total	0.1118	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						
Total	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						
Paving	0.0356					0.0000	0.0000		0.0000	0.0000						
Total	0.1118	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						
Total	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003						

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1151	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588						
Paving	0.0575					0.0000	0.0000		0.0000	0.0000						
Total	0.1726	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						
Total	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1151	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588						
Paving	0.0575					0.0000	0.0000		0.0000	0.0000						
Total	0.1726	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						
Total	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						
Total	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.3686	2.3596	5.3057	9.3000e-003	0.2525	0.0396	0.2921	0.0726	0.0364	0.1090						
Worker	0.2623	0.4554	4.2874	0.0148	1.2653	8.0200e-003	1.2733	0.3364	7.4400e-003	0.3438						
Total	0.6309	2.8150	9.5931	0.0241	1.5178	0.0476	1.5654	0.4090	0.0439	0.4528						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						
Total	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.3686	2.3596	5.3057	9.3000e-003	0.2525	0.0396	0.2921	0.0726	0.0364	0.1090						
Worker	0.2623	0.4554	4.2874	0.0148	1.2653	8.0200e-003	1.2733	0.3364	7.4400e-003	0.3438						
Total	0.6309	2.8150	9.5931	0.0241	1.5178	0.0476	1.5654	0.4090	0.0439	0.4528						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.9641	5.7385	14.4800	0.0272	0.7407	0.1040	0.8447	0.2130	0.0957	0.3087						
Worker	0.7255	1.2470	11.7645	0.0433	3.7105	0.0235	3.7341	0.9864	0.0218	1.0083						
Total	1.6896	6.9855	26.2445	0.0705	4.4512	0.1276	4.5788	1.1994	0.1175	1.3170						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.9641	5.7385	14.4800	0.0272	0.7407	0.1040	0.8447	0.2130	0.0957	0.3087						
Worker	0.7255	1.2470	11.7645	0.0433	3.7105	0.0235	3.7341	0.9864	0.0218	1.0083						
Total	1.6896	6.9855	26.2445	0.0705	4.4512	0.1276	4.5788	1.1994	0.1175	1.3170						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.9078	5.0848	13.6204	0.0271	0.7380	0.1016	0.8396	0.2122	0.0935	0.3057						
Worker	0.6844	1.1662	11.0110	0.0431	3.6963	0.0235	3.7198	0.9827	0.0218	1.0044						
Total	1.5922	6.2510	24.6315	0.0702	4.4343	0.1251	4.5594	1.1949	0.1152	1.3101						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.9078	5.0848	13.6204	0.0271	0.7380	0.1016	0.8396	0.2122	0.0935	0.3057						
Worker	0.6844	1.1662	11.0110	0.0431	3.6963	0.0235	3.7198	0.9827	0.0218	1.0044						
Total	1.5922	6.2510	24.6315	0.0702	4.4343	0.1251	4.5594	1.1949	0.1152	1.3101						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7920	4.5466	12.1388	0.0270	0.7381	0.0951	0.8332	0.2123	0.0875	0.2998						
Worker	0.6488	1.0988	10.3614	0.0431	3.6963	0.0235	3.7199	0.9827	0.0218	1.0045						
Total	1.4408	5.6454	22.5002	0.0701	4.4344	0.1186	4.5530	1.1949	0.1093	1.3043						

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7920	4.5466	12.1388	0.0270	0.7381	0.0951	0.8332	0.2123	0.0875	0.2998						
Worker	0.6488	1.0988	10.3614	0.0431	3.6963	0.0235	3.7199	0.9827	0.0218	1.0045						
Total	1.4408	5.6454	22.5002	0.0701	4.4344	0.1186	4.5530	1.1949	0.1093	1.3043						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752						
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7831	4.5294	11.9928	0.0272	0.7439	0.0962	0.8401	0.2140	0.0885	0.3025						
Worker	0.6229	1.0499	9.9203	0.0434	3.7248	0.0238	3.7486	0.9902	0.0221	1.0123						
Total	1.4060	5.5793	21.9130	0.0707	4.4686	0.1200	4.5886	1.2042	0.1106	1.3148						

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752						
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7831	4.5294	11.9928	0.0272	0.7439	0.0962	0.8401	0.2140	0.0885	0.3025						
Worker	0.6229	1.0499	9.9203	0.0434	3.7248	0.0238	3.7486	0.9902	0.0221	1.0123						
Total	1.4060	5.5793	21.9130	0.0707	4.4686	0.1200	4.5886	1.2042	0.1106	1.3148						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7545	4.4620	11.4899	0.0271	0.7412	0.0960	0.8372	0.2132	0.0883	0.3015						
Worker	0.5945	0.9976	9.4518	0.0433	3.7105	0.0239	3.7344	0.9864	0.0221	1.0086						
Total	1.3491	5.4596	20.9416	0.0704	4.4517	0.1199	4.5716	1.1996	0.1105	1.3101						

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7545	4.4620	11.4899	0.0271	0.7412	0.0960	0.8372	0.2132	0.0883	0.3015						
Worker	0.5945	0.9976	9.4518	0.0433	3.7105	0.0239	3.7344	0.9864	0.0221	1.0086						
Total	1.3491	5.4596	20.9416	0.0704	4.4517	0.1199	4.5716	1.1996	0.1105	1.3101						

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7467	4.4109	11.3496	0.0271	0.7413	0.0959	0.8372	0.2132	0.0883	0.3015						
Worker	0.5716	0.9569	9.0931	0.0433	3.7105	0.0241	3.7346	0.9864	0.0223	1.0088						
Total	1.3183	5.3678	20.4427	0.0704	4.4518	0.1200	4.5718	1.1997	0.1106	1.3103						

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7467	4.4109	11.3496	0.0271	0.7413	0.0959	0.8372	0.2132	0.0883	0.3015						
Worker	0.5716	0.9569	9.0931	0.0433	3.7105	0.0241	3.7346	0.9864	0.0223	1.0088						
Total	1.3183	5.3678	20.4427	0.0704	4.4518	0.1200	4.5718	1.1997	0.1106	1.3103						

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7491	4.3760	11.3002	0.0271	0.7414	0.0960	0.8374	0.2133	0.0883	0.3016						
Worker	0.5501	0.9204	8.7746	0.0433	3.7105	0.0242	3.7348	0.9864	0.0225	1.0089						
Total	1.2992	5.2964	20.0748	0.0704	4.4519	0.1203	4.5722	1.1997	0.1108	1.3105						

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7491	4.3760	11.3002	0.0271	0.7414	0.0960	0.8374	0.2133	0.0883	0.3016						
Worker	0.5501	0.9204	8.7746	0.0433	3.7105	0.0242	3.7348	0.9864	0.0225	1.0089						
Total	1.2992	5.2964	20.0748	0.0704	4.4519	0.1203	4.5722	1.1997	0.1108	1.3105						

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7450	4.3262	11.1898	0.0270	0.7386	0.0956	0.8343	0.2125	0.0880	0.3005						
Worker	0.5281	0.8836	8.4603	0.0431	3.6963	0.0243	3.7206	0.9827	0.0226	1.0052						
Total	1.2731	5.2098	19.6501	0.0701	4.4349	0.1199	4.5549	1.1952	0.1105	1.3057						

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7450	4.3262	11.1898	0.0270	0.7386	0.0956	0.8343	0.2125	0.0880	0.3005						
Worker	0.5281	0.8836	8.4603	0.0431	3.6963	0.0243	3.7206	0.9827	0.0226	1.0052						
Total	1.2731	5.2098	19.6501	0.0701	4.4349	0.1199	4.5549	1.1952	0.1105	1.3057						

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7476	4.3161	11.1900	0.0271	0.7415	0.0960	0.8375	0.2134	0.0883	0.3017						
Worker	0.5104	0.8547	8.2206	0.0433	3.7105	0.0245	3.7350	0.9864	0.0227	1.0092						
Total	1.2580	5.1708	19.4106	0.0704	4.4521	0.1205	4.5726	1.1998	0.1111	1.3108						

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7476	4.3161	11.1900	0.0271	0.7415	0.0960	0.8375	0.2134	0.0883	0.3017						
Worker	0.5104	0.8547	8.2206	0.0433	3.7105	0.0245	3.7350	0.9864	0.0227	1.0092						
Total	1.2580	5.1708	19.4106	0.0704	4.4521	0.1205	4.5726	1.1998	0.1111	1.3108						

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7356	4.2838	11.0660	0.0271	0.7416	0.0960	0.8375	0.2134	0.0883	0.3016						
Worker	0.4925	0.8265	7.9960	0.0433	3.7105	0.0246	3.7351	0.9864	0.0228	1.0093						
Total	1.2281	5.1103	19.0620	0.0704	4.4521	0.1205	4.5727	1.1998	0.1111	1.3109						

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7356	4.2838	11.0660	0.0271	0.7416	0.0960	0.8375	0.2134	0.0883	0.3016						
Worker	0.4925	0.8265	7.9960	0.0433	3.7105	0.0246	3.7351	0.9864	0.0228	1.0093						
Total	1.2281	5.1103	19.0620	0.0704	4.4521	0.1205	4.5727	1.1998	0.1111	1.3109						

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7403	4.2647	11.0676	0.0271	0.7417	0.0960	0.8377	0.2134	0.0883	0.3017						
Worker	0.4754	0.7994	7.7874	0.0433	3.7105	0.0246	3.7352	0.9864	0.0229	1.0093						
Total	1.2157	5.0641	18.8549	0.0704	4.4522	0.1206	4.5728	1.1998	0.1112	1.3110						

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7403	4.2647	11.0676	0.0271	0.7417	0.0960	0.8377	0.2134	0.0883	0.3017						
Worker	0.4754	0.7994	7.7874	0.0433	3.7105	0.0246	3.7352	0.9864	0.0229	1.0093						
Total	1.2157	5.0641	18.8549	0.0704	4.4522	0.1206	4.5728	1.1998	0.1112	1.3110						

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7473	4.2653	11.1088	0.0273	0.7446	0.0964	0.8410	0.2143	0.0887	0.3029						
Worker	0.4615	0.7787	7.6365	0.0434	3.7248	0.0247	3.7495	0.9902	0.0230	1.0132						
Total	1.2088	5.0439	18.7454	0.0707	4.4694	0.1211	4.5905	1.2045	0.1116	1.3161						

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7473	4.2653	11.1088	0.0273	0.7446	0.0964	0.8410	0.2143	0.0887	0.3029						
Worker	0.4615	0.7787	7.6365	0.0434	3.7248	0.0247	3.7495	0.9902	0.0230	1.0132						
Total	1.2088	5.0439	18.7454	0.0707	4.4694	0.1211	4.5905	1.2045	0.1116	1.3161						

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7419	4.2149	11.0077	0.0270	0.7390	0.0957	0.8347	0.2127	0.0880	0.3007						
Worker	0.4439	0.7533	7.4329	0.0431	3.6963	0.0246	3.7209	0.9827	0.0228	1.0054						
Total	1.1858	4.9682	18.4406	0.0701	4.4353	0.1202	4.5555	1.1953	0.1108	1.3061						

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7419	4.2149	11.0077	0.0270	0.7390	0.0957	0.8347	0.2127	0.0880	0.3007						
Worker	0.4439	0.7533	7.4329	0.0431	3.6963	0.0246	3.7209	0.9827	0.0228	1.0054						
Total	1.1858	4.9682	18.4406	0.0701	4.4353	0.1202	4.5555	1.1953	0.1108	1.3061						

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7414	4.2001	11.0001	0.0271	0.7391	0.0956	0.8347	0.2127	0.0880	0.3007						
Worker	0.4296	0.7370	7.2933	0.0431	3.6963	0.0246	3.7209	0.9827	0.0228	1.0054						
Total	1.1710	4.9371	18.2934	0.0701	4.4354	0.1202	4.5556	1.1953	0.1108	1.3061						

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.7414	4.2001	11.0001	0.0271	0.7391	0.0956	0.8347	0.2127	0.0880	0.3007						
Worker	0.4296	0.7370	7.2933	0.0431	3.6963	0.0246	3.7209	0.9827	0.0228	1.0054						
Total	1.1710	4.9371	18.2934	0.0701	4.4354	0.1202	4.5556	1.1953	0.1108	1.3061						

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						
Total	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.3403	1.9322	5.0716	0.0125	0.3411	0.0441	0.3853	0.0982	0.0406	0.1388						
Worker	0.1924	0.3343	3.3102	0.0199	1.7060	0.0113	1.7173	0.4535	0.0105	0.4640						
Total	0.5328	2.2665	8.3818	0.0324	2.0471	0.0554	2.1026	0.5517	0.0511	0.6028						

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						
Total	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.3403	1.9322	5.0716	0.0125	0.3411	0.0441	0.3853	0.0982	0.0406	0.1388						
Worker	0.1924	0.3343	3.3102	0.0199	1.7060	0.0113	1.7173	0.4535	0.0105	0.4640						
Total	0.5328	2.2665	8.3818	0.0324	2.0471	0.0554	2.1026	0.5517	0.0511	0.6028						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4128					0.0000	0.0000		0.0000	0.0000						
Off-Road	9.5700e-003	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						
Total	0.4224	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0466	0.0809	0.7611	2.6200e-003	0.2246	1.4200e-003	0.2261	0.0597	1.3200e-003	0.0610						
Total	0.0466	0.0809	0.7611	2.6200e-003	0.2246	1.4200e-003	0.2261	0.0597	1.3200e-003	0.0610						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.4128					0.0000	0.0000		0.0000	0.0000						
Off-Road	9.5700e-003	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						
Total	0.4224	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0466	0.0809	0.7611	2.6200e-003	0.2246	1.4200e-003	0.2261	0.0597	1.3200e-003	0.0610						
Total	0.0466	0.0809	0.7611	2.6200e-003	0.2246	1.4200e-003	0.2261	0.0597	1.3200e-003	0.0610						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						
Total	1.3924	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1451	0.2494	2.3529	8.6600e-003	0.7421	4.7000e-003	0.7468	0.1973	4.3600e-003	0.2017						
Total	0.1451	0.2494	2.3529	8.6600e-003	0.7421	4.7000e-003	0.7468	0.1973	4.3600e-003	0.2017						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						
Total	1.3924	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1451	0.2494	2.3529	8.6600e-003	0.7421	4.7000e-003	0.7468	0.1973	4.3600e-003	0.2017						
Total	0.1451	0.2494	2.3529	8.6600e-003	0.7421	4.7000e-003	0.7468	0.1973	4.3600e-003	0.2017						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106						
Total	1.3852	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1369	0.2332	2.2022	8.6200e-003	0.7393	4.7000e-003	0.7440	0.1965	4.3600e-003	0.2009						
Total	0.1369	0.2332	2.2022	8.6200e-003	0.7393	4.7000e-003	0.7440	0.1965	4.3600e-003	0.2009						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106						
Total	1.3852	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1369	0.2332	2.2022	8.6200e-003	0.7393	4.7000e-003	0.7440	0.1965	4.3600e-003	0.2009						
Total	0.1369	0.2332	2.2022	8.6200e-003	0.7393	4.7000e-003	0.7440	0.1965	4.3600e-003	0.2009						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						
Total	1.3835	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1298	0.2198	2.0723	8.6200e-003	0.7393	4.7100e-003	0.7440	0.1965	4.3700e-003	0.2009						
Total	0.1298	0.2198	2.0723	8.6200e-003	0.7393	4.7100e-003	0.7440	0.1965	4.3700e-003	0.2009						

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						
Total	1.3835	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1298	0.2198	2.0723	8.6200e-003	0.7393	4.7100e-003	0.7440	0.1965	4.3700e-003	0.2009						
Total	0.1298	0.2198	2.0723	8.6200e-003	0.7393	4.7100e-003	0.7440	0.1965	4.3700e-003	0.2009						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3690					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						
Total	1.3927	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1246	0.2100	1.9841	8.6900e-003	0.7450	4.7600e-003	0.7497	0.1980	4.4200e-003	0.2025						
Total	0.1246	0.2100	1.9841	8.6900e-003	0.7450	4.7600e-003	0.7497	0.1980	4.4200e-003	0.2025						

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3690					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						
Total	1.3927	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1246	0.2100	1.9841	8.6900e-003	0.7450	4.7600e-003	0.7497	0.1980	4.4200e-003	0.2025						
Total	0.1246	0.2100	1.9841	8.6900e-003	0.7450	4.7600e-003	0.7497	0.1980	4.4200e-003	0.2025						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1189	0.1995	1.8904	8.6500e-003	0.7421	4.7700e-003	0.7469	0.1973	4.4300e-003	0.2017						
Total	0.1189	0.1995	1.8904	8.6500e-003	0.7421	4.7700e-003	0.7469	0.1973	4.4300e-003	0.2017						

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1189	0.1995	1.8904	8.6500e-003	0.7421	4.7700e-003	0.7469	0.1973	4.4300e-003	0.2017						
Total	0.1189	0.1995	1.8904	8.6500e-003	0.7421	4.7700e-003	0.7469	0.1973	4.4300e-003	0.2017						

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1143	0.1914	1.8186	8.6500e-003	0.7421	4.8100e-003	0.7469	0.1973	4.4700e-003	0.2018						
Total	0.1143	0.1914	1.8186	8.6500e-003	0.7421	4.8100e-003	0.7469	0.1973	4.4700e-003	0.2018						

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1143	0.1914	1.8186	8.6500e-003	0.7421	4.8100e-003	0.7469	0.1973	4.4700e-003	0.2018						
Total	0.1143	0.1914	1.8186	8.6500e-003	0.7421	4.8100e-003	0.7469	0.1973	4.4700e-003	0.2018						

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1100	0.1841	1.7549	8.6500e-003	0.7421	4.8500e-003	0.7470	0.1973	4.5000e-003	0.2018						
Total	0.1100	0.1841	1.7549	8.6500e-003	0.7421	4.8500e-003	0.7470	0.1973	4.5000e-003	0.2018						

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1100	0.1841	1.7549	8.6500e-003	0.7421	4.8500e-003	0.7470	0.1973	4.5000e-003	0.2018						
Total	0.1100	0.1841	1.7549	8.6500e-003	0.7421	4.8500e-003	0.7470	0.1973	4.5000e-003	0.2018						

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						
Total	1.3808	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1056	0.1767	1.6921	8.6200e-003	0.7393	4.8600e-003	0.7441	0.1965	4.5100e-003	0.2010						
Total	0.1056	0.1767	1.6921	8.6200e-003	0.7393	4.8600e-003	0.7441	0.1965	4.5100e-003	0.2010						

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						
Total	1.3808	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1056	0.1767	1.6921	8.6200e-003	0.7393	4.8600e-003	0.7441	0.1965	4.5100e-003	0.2010						
Total	0.1056	0.1767	1.6921	8.6200e-003	0.7393	4.8600e-003	0.7441	0.1965	4.5100e-003	0.2010						

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1021	0.1709	1.6441	8.6500e-003	0.7421	4.9000e-003	0.7470	0.1973	4.5500e-003	0.2018						
Total	0.1021	0.1709	1.6441	8.6500e-003	0.7421	4.9000e-003	0.7470	0.1973	4.5500e-003	0.2018						

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						
Total	1.3861	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.1021	0.1709	1.6441	8.6500e-003	0.7421	4.9000e-003	0.7470	0.1973	4.5500e-003	0.2018						
Total	0.1021	0.1709	1.6441	8.6500e-003	0.7421	4.9000e-003	0.7470	0.1973	4.5500e-003	0.2018						

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	1.3809	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0985	0.1653	1.5992	8.6500e-003	0.7421	4.9200e-003	0.7470	0.1973	4.5600e-003	0.2019						
Total	0.0985	0.1653	1.5992	8.6500e-003	0.7421	4.9200e-003	0.7470	0.1973	4.5600e-003	0.2019						

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	1.3809	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0985	0.1653	1.5992	8.6500e-003	0.7421	4.9200e-003	0.7470	0.1973	4.5600e-003	0.2019						
Total	0.0985	0.1653	1.5992	8.6500e-003	0.7421	4.9200e-003	0.7470	0.1973	4.5600e-003	0.2019						

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	1.3809	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0951	0.1599	1.5575	8.6500e-003	0.7421	4.9300e-003	0.7470	0.1973	4.5700e-003	0.2019						
Total	0.0951	0.1599	1.5575	8.6500e-003	0.7421	4.9300e-003	0.7470	0.1973	4.5700e-003	0.2019						

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3638					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						
Total	1.3809	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0951	0.1599	1.5575	8.6500e-003	0.7421	4.9300e-003	0.7470	0.1973	4.5700e-003	0.2019						
Total	0.0951	0.1599	1.5575	8.6500e-003	0.7421	4.9300e-003	0.7470	0.1973	4.5700e-003	0.2019						

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3690					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						
Total	1.3862	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0923	0.1557	1.5273	8.6800e-003	0.7450	4.9500e-003	0.7499	0.1980	4.5900e-003	0.2026						
Total	0.0923	0.1557	1.5273	8.6800e-003	0.7450	4.9500e-003	0.7499	0.1980	4.5900e-003	0.2026						

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3690					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0171	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						
Total	1.3862	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0923	0.1557	1.5273	8.6800e-003	0.7450	4.9500e-003	0.7499	0.1980	4.5900e-003	0.2026						
Total	0.0923	0.1557	1.5273	8.6800e-003	0.7450	4.9500e-003	0.7499	0.1980	4.5900e-003	0.2026						

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	1.3756	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0888	0.1507	1.4866	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5600e-003	0.2011						
Total	0.0888	0.1507	1.4866	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5600e-003	0.2011						

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	1.3756	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0888	0.1507	1.4866	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5600e-003	0.2011						
Total	0.0888	0.1507	1.4866	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5600e-003	0.2011						

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	1.3756	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0859	0.1474	1.4587	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5500e-003	0.2011						
Total	0.0859	0.1474	1.4587	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5500e-003	0.2011						

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3586					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						
Total	1.3756	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0859	0.1474	1.4587	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5500e-003	0.2011						
Total	0.0859	0.1474	1.4587	8.6200e-003	0.7393	4.9100e-003	0.7442	0.1965	4.5500e-003	0.2011						

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6793					0.0000	0.0000		0.0000	0.0000						
Off-Road	7.6600e-003	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						
Total	0.6869	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0417	0.0724	0.7172	4.3100e-003	0.3696	2.4500e-003	0.3721	0.0983	2.2800e-003	0.1005						
Total	0.0417	0.0724	0.7172	4.3100e-003	0.3696	2.4500e-003	0.3721	0.0983	2.2800e-003	0.1005						

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6793					0.0000	0.0000		0.0000	0.0000						
Off-Road	7.6600e-003	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						
Total	0.6869	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0417	0.0724	0.7172	4.3100e-003	0.3696	2.4500e-003	0.3721	0.0983	2.2800e-003	0.1005						
Total	0.0417	0.0724	0.7172	4.3100e-003	0.3696	2.4500e-003	0.3721	0.0983	2.2800e-003	0.1005						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.0506	15.6551	71.1646	0.2614	16.9592	0.3674	17.3266	4.5631	0.3389	4.9020						
Unmitigated	7.0506	15.6551	71.1646	0.2614	16.9592	0.3674	17.3266	4.5631	0.3389	4.9020						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,110,712	2,110,712
Manufacturing	3,376.88	1,317.16	548.08	9,361,921	9,361,921
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	6,684,581	6,684,581
Regional Shopping Center	1,080.37	1,257.25	635.04	1,681,841	1,681,841
Research & Development	12,246.10	2,869.00	1676.10	24,406,406	24,406,406
Research & Development	372.25	87.21	50.95	741,890	741,890
Total	22,595.10	11,756.12	6,326.67	44,987,351	44,987,351

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.41	5.81	5.81	19.40	61.60	19.00	58	38	4
Manufacturing	13.41	5.81	5.81	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	13.41	5.81	5.81	0.00	0.00	0.00	0	0	0
Parking Lot	13.41	5.81	5.81	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						
NaturalGas Mitigated	0.2099	1.9083	1.6030	0.0115		0.1450	0.1450		0.1450	0.1450						
NaturalGas Unmitigated	0.2993	2.7209	2.2856	0.0163		0.2068	0.2068		0.2068	0.2068						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	6.12236e+006	0.0330	0.3001	0.2521	1.8000e-003		0.0228	0.0228		0.0228	0.0228						
Manufacturing	1.73352e+007	0.0935	0.8498	0.7138	5.1000e-003		0.0646	0.0646		0.0646	0.0646						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	1.229e+006	6.6300e-003	0.0603	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003						
Regional Shopping Center	309155	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003						
Research & Development	2.96111e+007	0.1597	1.4515	1.2193	8.7100e-003		0.1103	0.1103		0.1103	0.1103						
Research & Development	900119	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003						
Total		0.2993	2.7209	2.2856	0.0163		0.2068	0.2068		0.2068	0.2068						

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Manufacturing	1.21506e+007	0.0655	0.5956	0.5003	3.5700e-003		0.0453	0.0453		0.0453	0.0453						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	219125	1.1800e-003	0.0107	9.0200e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004						
Regional Shopping Center	871100	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003						
Research & Development	2.0755e+007	0.1119	1.0174	0.8546	6.1000e-003		0.0773	0.0773		0.0773	0.0773						
Research & Development	630909	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003						
Hotel	4.30264e+006	0.0232	0.2109	0.1772	1.2700e-003		0.0160	0.0160		0.0160	0.0160						
Total		0.2099	1.9083	1.6030	0.0115		0.1450	0.1450		0.1450	0.1450						

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006				
Manufacturing	8.15932e+006				
Other Asphalt Surfaces	0				
Parking Lot	2.70016e+006				
Regional Shopping Center	1.339e+006				
Regional Shopping Center	336825				
Research & Development	1.39373e+007				
Research & Development	423666				
Total					

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	744114				
Manufacturing	3.81181e+006				
Other Asphalt Surfaces	0				
Parking Lot	1.35008e+006				
Regional Shopping Center	150452				
Regional Shopping Center	598100				
Research & Development	197925				
Research & Development	6.51112e+006				
Total					

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	21.2473	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Unmitigated	24.9805	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.0170					0.0000	0.0000		0.0000	0.0000						
Consumer Products	22.9540					0.0000	0.0000		0.0000	0.0000						
Landscaping	9.4900e-003	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Total	24.9805	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						
Consumer Products	21.2378					0.0000	0.0000		0.0000	0.0000						
Landscaping	9.4900e-003	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						
Total	21.2473	9.3000e-004	0.1038	1.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				
Unmitigated				

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779				
Manufacturing	204.425 / 0				
Other Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Regional Shopping Center	9.27092 / 5.68217				
Research & Development	765.027 / 0				
Total					

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.66351 / 0.422779				
Manufacturing	143.098 / 0				
Other Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Regional Shopping Center	6.48964 / 5.68217				
Research & Development	535.519 / 0				
Total					

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				
Unmitigated				

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13				
Manufacturing	1096.16				
Other Asphalt Surfaces	0				
Parking Lot	0				
Regional Shopping Center	131.42				
Research & Development	118.24				
Total					

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13				
Manufacturing	1096.16				
Other Asphalt Surfaces	0				
Parking Lot	0				
Regional Shopping Center	131.42				
Research & Development	118.24				
Total					

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - Air Quality (MITIGATED)
Yolo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

Trips and VMT - *modified haul trucks based on the use of 12 cubic yard haul trucks according to project engineer = 130000 / 12 = 10833 haul truck trips; would be hauled to off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle), with exception of PQP parcel = 224.42 acres + 11 acres for off-site sewer + 80 acres for off-site drainage basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation - mitigation requires use of only zero-VOC paints

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42

tblGrading	MaterialExported	0.00	130,000.00
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblLandUse	LotAcreage	77.77	70.44
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81

tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.6246	60.6285	47.4558	0.0675	18.2962	2.8001	20.6630	9.9917	2.5760	12.1692						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.1937	55.2168	45.0445	0.0674	7.3909	2.5166	9.9075	3.5211	2.3153	5.8364						
2020	28.7903	82.4757	243.6065	0.6781	41.0837	2.3250	43.4087	11.0189	2.1719	13.1907						
2021	27.2942	71.2470	227.0220	0.6777	41.0847	2.0584	43.1431	11.0193	1.9222	12.9414						
2022	26.3500	64.0777	215.7093	0.6774	41.0857	1.8815	42.9672	11.0197	1.7560	12.7757						
2023	25.0814	58.2791	202.0618	0.6770	41.0863	1.7135	42.7998	11.0199	1.5984	12.6183						
2024	24.5317	56.4170	195.2548	0.6770	41.0875	1.6208	42.7083	11.0204	1.5103	12.5308						
2025	23.9875	54.6173	188.6006	0.6770	41.0886	1.5287	42.6173	11.0209	1.4231	12.4440						
2026	23.6816	53.9128	184.0557	0.6770	41.0892	1.5300	42.6192	11.0211	1.4243	12.4454						
2027	23.4613	53.3595	180.4216	0.6771	41.0899	1.5323	42.6222	11.0214	1.4265	12.4479						
2028	23.2295	52.8447	177.0608	0.6772	41.0906	1.5337	42.6243	11.0217	1.4278	12.4494						
2029	23.0027	52.3854	173.9185	0.6772	41.0912	1.5346	42.6258	11.0219	1.4286	12.4505						
2030	22.6135	47.1377	170.9088	0.6812	41.0916	1.1265	42.2181	11.0221	1.0516	12.0737						
2031	22.4506	46.7767	168.6989	0.6813	41.0923	1.1271	42.2194	11.0224	1.0521	12.0745						
2032	22.2982	46.4674	166.7734	0.6813	41.0930	1.1276	42.2206	11.0226	1.0526	12.0752						
2033	22.1383	46.1776	165.1223	0.6814	41.0936	1.1277	42.2213	11.0229	1.0527	12.0755						
2034	21.9709	45.9349	163.5738	0.6814	41.0941	1.1274	42.2216	11.0231	1.0524	12.0755						
2035	21.6901	44.8641	162.1541	0.6815	41.0946	1.0588	42.1534	11.0233	0.9839	12.0071						
Total	398.3026	1,044.6686	3,118.0292	11.0375	701.4201	32.0257	733.0126	199.8458	29.7608	229.2081						

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.6246	60.6285	47.4558	0.0675	18.2962	2.8001	20.6630	9.9917	2.5760	12.1692						
2019	5.1937	55.2168	45.0445	0.0674	7.3909	2.5166	9.9075	3.5211	2.3153	5.8364						
2020	28.7903	82.4757	243.6065	0.6781	41.0837	2.3250	43.4087	11.0189	2.1719	13.1907						
2021	27.2942	71.2470	227.0220	0.6777	41.0847	2.0584	43.1431	11.0193	1.9222	12.9414						
2022	26.3500	64.0777	215.7093	0.6774	41.0857	1.8815	42.9672	11.0197	1.7560	12.7757						
2023	25.0814	58.2791	202.0618	0.6770	41.0863	1.7135	42.7998	11.0199	1.5984	12.6183						
2024	24.5317	56.4170	195.2548	0.6770	41.0875	1.6208	42.7083	11.0204	1.5103	12.5308						
2025	23.9875	54.6173	188.6006	0.6770	41.0886	1.5287	42.6173	11.0209	1.4231	12.4440						
2026	23.6816	53.9128	184.0557	0.6770	41.0892	1.5300	42.6192	11.0211	1.4243	12.4454						
2027	23.4613	53.3595	180.4216	0.6771	41.0899	1.5323	42.6222	11.0214	1.4265	12.4479						
2028	23.2295	52.8447	177.0608	0.6772	41.0906	1.5337	42.6243	11.0217	1.4278	12.4494						
2029	23.0027	52.3854	173.9185	0.6772	41.0912	1.5346	42.6258	11.0219	1.4286	12.4505						
2030	22.6135	47.1377	170.9088	0.6812	41.0916	1.1265	42.2181	11.0221	1.0516	12.0737						
2031	22.4506	46.7767	168.6989	0.6813	41.0923	1.1271	42.2194	11.0224	1.0521	12.0745						

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Energy	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						
Mobile	53.5514	102.1728	483.0881	1.9420	121.6205	2.5473	124.1678	32.6334	2.3497	34.9831						
Total	192.1241	117.0924	496.7648	2.0315	121.6205	3.6845	125.3050	32.6334	3.4869	36.1203						

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	116.4772	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Energy	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
Mobile	53.5514	102.1728	483.0881	1.9420	121.6205	2.5473	124.1678	32.6334	2.3497	34.9831						
Total	171.1788	112.6396	493.0245	2.0048	121.6205	3.3461	124.9666	32.6334	3.1485	35.7819						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	10.90	3.80	0.75	1.32	0.00	9.18	0.27	0.00	9.71	0.94	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2617	0.9994	3.9652	2.5400e-003	0.0716	0.0104	0.0820	0.0190	9.5600e-003	0.0286						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0734	0.0954	1.1839	3.2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.3351	1.0947	5.1490	5.7400e-003	0.3270	0.0120	0.3391	0.0867	0.0111	0.0978						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2617	0.9994	3.9652	2.5400e-003	0.0716	0.0104	0.0820	0.0190	9.5600e-003	0.0286						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0734	0.0954	1.1839	3.2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.3351	1.0947	5.1490	5.7400e-003	0.3270	0.0120	0.3391	0.0867	0.0111	0.0978						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2359	0.9320	3.6794	2.5300e-003	0.1051	0.0101	0.1153	0.0272	9.3000e-003	0.0365						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	0.3025	1.0190	4.7556	5.7100e-003	0.3606	0.0117	0.3723	0.0950	0.0108	0.1057						

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2359	0.9320	3.6794	2.5300e-003	0.1051	0.0101	0.1153	0.0272	9.3000e-003	0.0365						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	0.3025	1.0190	4.7556	5.7100e-003	0.3606	0.0117	0.3723	0.0950	0.0108	0.1057						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	2.0906	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	2.0906	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	1.9948	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	1.9948	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	7.5013	50.6468	88.0606	0.2092	5.8302	0.8849	6.7150	1.6700	0.8138	2.4838						
Worker	7.0709	9.2176	114.0884	0.3660	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	14.5722	59.8644	202.1490	0.5752	35.2082	1.0652	36.2733	9.4607	0.9810	10.4417						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	7.5013	50.6468	88.0606	0.2092	5.8302	0.8849	6.7150	1.6700	0.8138	2.4838						
Worker	7.0709	9.2176	114.0884	0.3660	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	14.5722	59.8644	202.1490	0.5752	35.2082	1.0652	36.2733	9.4607	0.9810	10.4417						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.7332	42.0443	80.2984	0.2087	5.8311	0.7931	6.6242	1.6704	0.7296	2.4000						
Worker	6.6654	8.6129	106.9736	0.3660	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	13.3986	50.6573	187.2720	0.5747	35.2091	0.9733	36.1824	9.4611	0.8968	10.3579						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.7332	42.0443	80.2984	0.2087	5.8311	0.7931	6.6242	1.6704	0.7296	2.4000						
Worker	6.6654	8.6129	106.9736	0.3660	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	13.3986	50.6573	187.2720	0.5747	35.2091	0.9733	36.1824	9.4611	0.8968	10.3579						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.4255	37.4225	76.7147	0.2085	5.8321	0.7773	6.6094	1.6708	0.7151	2.3859						
Worker	6.3086	8.0919	100.7112	0.3659	29.3780	0.1806	29.5586	7.7908	0.1675	7.9583						
Total	12.7341	45.5145	177.4259	0.5744	35.2101	0.9579	36.1680	9.4615	0.8827	10.3442						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.4255	37.4225	76.7147	0.2085	5.8321	0.7773	6.6094	1.6708	0.7151	2.3859						
Worker	6.3086	8.0919	100.7112	0.3659	29.3780	0.1806	29.5586	7.7908	0.1675	7.9583						
Total	12.7341	45.5145	177.4259	0.5744	35.2101	0.9579	36.1680	9.4615	0.8827	10.3442						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.7022	33.5061	70.0874	0.2081	5.8328	0.7287	6.5615	1.6710	0.6704	2.3415						
Worker	5.9758	7.6312	94.9617	0.3659	29.3780	0.1810	29.5590	7.7908	0.1679	7.9587						
Total	11.6780	41.1373	165.0491	0.5740	35.2107	0.9097	36.1205	9.4618	0.8383	10.3001						

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.7022	33.5061	70.0874	0.2081	5.8328	0.7287	6.5615	1.6710	0.6704	2.3415						
Worker	5.9758	7.6312	94.9617	0.3659	29.3780	0.1810	29.5590	7.7908	0.1679	7.9587						
Total	11.6780	41.1373	165.0491	0.5740	35.2107	0.9097	36.1205	9.4618	0.8383	10.3001						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.6086	33.1311	68.8478	0.2082	5.8340	0.7312	6.5652	1.6715	0.6727	2.3443						
Worker	5.6888	7.2414	90.3863	0.3659	29.3780	0.1817	29.5597	7.7908	0.1686	7.9594						
Total	11.2973	40.3725	159.2342	0.5740	35.2119	0.9130	36.1249	9.4623	0.8413	10.3036						

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.6086	33.1311	68.8478	0.2082	5.8340	0.7312	6.5652	1.6715	0.6727	2.3443						
Worker	5.6888	7.2414	90.3863	0.3659	29.3780	0.1817	29.5597	7.7908	0.1686	7.9594						
Total	11.2973	40.3725	159.2342	0.5740	35.2119	0.9130	36.1249	9.4623	0.8413	10.3036						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4691	32.7685	66.8233	0.2082	5.8350	0.7328	6.5678	1.6720	0.6742	2.3461						
Worker	5.4463	6.9114	86.5970	0.3659	29.3780	0.1828	29.5608	7.7908	0.1696	7.9604						
Total	10.9154	39.6798	153.4203	0.5740	35.2130	0.9156	36.1286	9.4627	0.8438	10.3065						

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4691	32.7685	66.8233	0.2082	5.8350	0.7328	6.5678	1.6720	0.6742	2.3461						
Worker	5.4463	6.9114	86.5970	0.3659	29.3780	0.1828	29.5608	7.7908	0.1696	7.9604						
Total	10.9154	39.6798	153.4203	0.5740	35.2130	0.9156	36.1286	9.4627	0.8438	10.3065						

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4214	32.3979	66.0626	0.2082	5.8356	0.7322	6.5678	1.6722	0.6736	2.3458						
Worker	5.2311	6.6331	83.4435	0.3659	29.3780	0.1844	29.5624	7.7908	0.1711	7.9619						
Total	10.6525	39.0310	149.5061	0.5741	35.2136	0.9166	36.1302	9.4630	0.8447	10.3077						

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4214	32.3979	66.0626	0.2082	5.8356	0.7322	6.5678	1.6722	0.6736	2.3458						
Worker	5.2311	6.6331	83.4435	0.3659	29.3780	0.1844	29.5624	7.7908	0.1711	7.9619						
Total	10.6525	39.0310	149.5061	0.5741	35.2136	0.9166	36.1302	9.4630	0.8447	10.3077						

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4444	32.1434	65.7891	0.2083	5.8364	0.7329	6.5692	1.6725	0.6743	2.3468						
Worker	5.0284	6.3840	80.6430	0.3659	29.3780	0.1858	29.5638	7.7908	0.1723	7.9631						
Total	10.4728	38.5275	146.4321	0.5741	35.2143	0.9186	36.1330	9.4633	0.8466	10.3099						

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4444	32.1434	65.7891	0.2083	5.8364	0.7329	6.5692	1.6725	0.6743	2.3468						
Worker	5.0284	6.3840	80.6430	0.3659	29.3780	0.1858	29.5638	7.7908	0.1723	7.9631						
Total	10.4728	38.5275	146.4321	0.5741	35.2143	0.9186	36.1330	9.4633	0.8466	10.3099						

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4404	31.9027	65.4014	0.2083	5.8370	0.7328	6.5699	1.6728	0.6742	2.3470						
Worker	4.8386	6.1557	78.1654	0.3659	29.3780	0.1869	29.5649	7.7908	0.1734	7.9642						
Total	10.2790	38.0584	143.5668	0.5742	35.2150	0.9198	36.1348	9.4635	0.8477	10.3112						

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4404	31.9027	65.4014	0.2083	5.8370	0.7328	6.5699	1.6728	0.6742	2.3470						
Worker	4.8386	6.1557	78.1654	0.3659	29.3780	0.1869	29.5649	7.7908	0.1734	7.9642						
Total	10.2790	38.0584	143.5668	0.5742	35.2150	0.9198	36.1348	9.4635	0.8477	10.3112						

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4403	31.7082	65.1355	0.2083	5.8376	0.7327	6.5703	1.6730	0.6741	2.3471						
Worker	4.6496	5.9350	75.7685	0.3659	29.3780	0.1878	29.5658	7.7908	0.1742	7.9650						
Total	10.0900	37.6432	140.9039	0.5742	35.2156	0.9205	36.1361	9.4638	0.8483	10.3121						

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4403	31.7082	65.1355	0.2083	5.8376	0.7327	6.5703	1.6730	0.6741	2.3471						
Worker	4.6496	5.9350	75.7685	0.3659	29.3780	0.1878	29.5658	7.7908	0.1742	7.9650						
Total	10.0900	37.6432	140.9039	0.5742	35.2156	0.9205	36.1361	9.4638	0.8483	10.3121						

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3571	31.4735	64.4270	0.2083	5.8380	0.7324	6.5705	1.6732	0.6739	2.3470						
Worker	4.4759	5.7417	73.7939	0.3659	29.3780	0.1885	29.5664	7.7908	0.1748	7.9656						
Total	9.8330	37.2152	138.2210	0.5742	35.2160	0.9209	36.1369	9.4639	0.8487	10.3126						

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3571	31.4735	64.4270	0.2083	5.8380	0.7324	6.5705	1.6732	0.6739	2.3470						
Worker	4.4759	5.7417	73.7939	0.3659	29.3780	0.1885	29.5664	7.7908	0.1748	7.9656						
Total	9.8330	37.2152	138.2210	0.5742	35.2160	0.9209	36.1369	9.4639	0.8487	10.3126						

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3937	31.3344	64.4122	0.2084	5.8387	0.7327	6.5715	1.6735	0.6741	2.3476						
Worker	4.3095	5.5568	71.9647	0.3659	29.3780	0.1887	29.5667	7.7908	0.1751	7.9659						
Total	9.7033	36.8912	136.3769	0.5743	35.2167	0.9215	36.1382	9.4642	0.8492	10.3134						

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3937	31.3344	64.4122	0.2084	5.8387	0.7327	6.5715	1.6735	0.6741	2.3476						
Worker	4.3095	5.5568	71.9647	0.3659	29.3780	0.1887	29.5667	7.7908	0.1751	7.9659						
Total	9.7033	36.8912	136.3769	0.5743	35.2167	0.9215	36.1382	9.4642	0.8492	10.3134						

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4263	31.2196	64.3824	0.2084	5.8394	0.7330	6.5724	1.6737	0.6744	2.3481						
Worker	4.1554	5.3948	70.3850	0.3659	29.3780	0.1889	29.5669	7.7908	0.1752	7.9660						
Total	9.5817	36.6143	134.7673	0.5744	35.2174	0.9219	36.1393	9.4645	0.8496	10.3141						

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4263	31.2196	64.3824	0.2084	5.8394	0.7330	6.5724	1.6737	0.6744	2.3481						
Worker	4.1554	5.3948	70.3850	0.3659	29.3780	0.1889	29.5669	7.7908	0.1752	7.9660						
Total	9.5817	36.6143	134.7673	0.5744	35.2174	0.9219	36.1393	9.4645	0.8496	10.3141						

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4293	31.0901	64.2692	0.2085	5.8400	0.7330	6.5730	1.6740	0.6744	2.3484						
Worker	4.0197	5.2612	69.1034	0.3659	29.3780	0.1890	29.5670	7.7908	0.1753	7.9661						
Total	9.4490	36.3512	133.3726	0.5744	35.2180	0.9220	36.1400	9.4647	0.8497	10.3144						

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4293	31.0901	64.2692	0.2085	5.8400	0.7330	6.5730	1.6740	0.6744	2.3484						
Worker	4.0197	5.2612	69.1034	0.3659	29.3780	0.1890	29.5670	7.7908	0.1753	7.9661						
Total	9.4490	36.3512	133.3726	0.5744	35.2180	0.9220	36.1400	9.4647	0.8497	10.3144						

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4256	30.9826	64.2063	0.2085	5.8406	0.7329	6.5735	1.6742	0.6743	2.3485						
Worker	3.8833	5.1485	67.8654	0.3660	29.3780	0.1888	29.5668	7.7908	0.1752	7.9660						
Total	9.3089	36.1311	132.0717	0.5744	35.2186	0.9218	36.1403	9.4650	0.8495	10.3144						

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4256	30.9826	64.2063	0.2085	5.8406	0.7329	6.5735	1.6742	0.6743	2.3485						
Worker	3.8833	5.1485	67.8654	0.3660	29.3780	0.1888	29.5668	7.7908	0.1752	7.9660						
Total	9.3089	36.1311	132.0717	0.5744	35.2186	0.9218	36.1403	9.4650	0.8495	10.3144						

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3962	30.8831	64.1239	0.2085	5.8410	0.7325	6.5735	1.6744	0.6739	2.3482						
Worker	3.7611	5.0603	66.7865	0.3660	29.3780	0.1886	29.5666	7.7908	0.1750	7.9658						
Total	9.1572	35.9433	130.9104	0.5745	35.2190	0.9211	36.1401	9.4651	0.8489	10.3140						

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.3962	30.8831	64.1239	0.2085	5.8410	0.7325	6.5735	1.6744	0.6739	2.3482						
Worker	3.7611	5.0603	66.7865	0.3660	29.3780	0.1886	29.5666	7.7908	0.1750	7.9658						
Total	9.1572	35.9433	130.9104	0.5745	35.2190	0.9211	36.1401	9.4651	0.8489	10.3140						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	10.6927	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.4142	1.8435	22.8177	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.4142	1.8435	22.8177	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	10.6927	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.4142	1.8435	22.8177	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.4142	1.8435	22.8177	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	10.6694	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.3331	1.7226	21.3947	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.3331	1.7226	21.3947	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	10.6694	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.3331	1.7226	21.3947	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.3331	1.7226	21.3947	0.0732	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	10.6551	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2617	1.6184	20.1422	0.0732	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						
Total	1.2617	1.6184	20.1422	0.0732	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	10.6551	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2617	1.6184	20.1422	0.0732	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						
Total	1.2617	1.6184	20.1422	0.0732	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	10.6422	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1952	1.5262	18.9923	0.0732	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						
Total	1.1952	1.5262	18.9923	0.0732	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	10.6422	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1952	1.5262	18.9923	0.0732	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						
Total	1.1952	1.5262	18.9923	0.0732	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	10.6313	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1378	1.4483	18.0773	0.0732	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						
Total	1.1378	1.4483	18.0773	0.0732	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	10.6313	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1378	1.4483	18.0773	0.0732	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						
Total	1.1378	1.4483	18.0773	0.0732	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0893	1.3823	17.3194	0.0732	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						
Total	1.0893	1.3823	17.3194	0.0732	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0893	1.3823	17.3194	0.0732	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						
Total	1.0893	1.3823	17.3194	0.0732	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0462	1.3266	16.6887	0.0732	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						
Total	1.0462	1.3266	16.6887	0.0732	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0462	1.3266	16.6887	0.0732	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						
Total	1.0462	1.3266	16.6887	0.0732	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0057	1.2768	16.1286	0.0732	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						
Total	1.0057	1.2768	16.1286	0.0732	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0057	1.2768	16.1286	0.0732	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						
Total	1.0057	1.2768	16.1286	0.0732	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9677	1.2311	15.6331	0.0732	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						
Total	0.9677	1.2311	15.6331	0.0732	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9677	1.2311	15.6331	0.0732	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						
Total	0.9677	1.2311	15.6331	0.0732	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9299	1.1870	15.1537	0.0732	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						
Total	0.9299	1.1870	15.1537	0.0732	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9299	1.1870	15.1537	0.0732	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						
Total	0.9299	1.1870	15.1537	0.0732	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8952	1.1484	14.7588	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						
Total	0.8952	1.1484	14.7588	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8952	1.1484	14.7588	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						
Total	0.8952	1.1484	14.7588	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8619	1.1114	14.3929	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.8619	1.1114	14.3929	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8619	1.1114	14.3929	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.8619	1.1114	14.3929	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8311	1.0790	14.0770	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.8311	1.0790	14.0770	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8311	1.0790	14.0770	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.8311	1.0790	14.0770	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8039	1.0522	13.8207	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.8039	1.0522	13.8207	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8039	1.0522	13.8207	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.8039	1.0522	13.8207	0.0732	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7767	1.0297	13.5731	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.7767	1.0297	13.5731	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7767	1.0297	13.5731	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.7767	1.0297	13.5731	0.0732	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	10.5684	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7522	1.0121	13.3573	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						
Total	0.7522	1.0121	13.3573	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	10.5684	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7522	1.0121	13.3573	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						
Total	0.7522	1.0121	13.3573	0.0732	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	53.5514	102.1728	483.0881	1.9420	121.6205	2.5473	124.1678	32.6334	2.3497	34.9831						
Unmitigated	53.5514	102.1728	483.0881	1.9420	121.6205	2.5473	124.1678	32.6334	2.3497	34.9831						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,110,712	2,110,712
Manufacturing	3,376.88	1,317.16	548.08	9,361,921	9,361,921
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	6,684,581	6,684,581
Regional Shopping Center	1,080.37	1,257.25	635.04	1,681,841	1,681,841
Research & Development	12,246.10	2,869.00	1676.10	24,406,406	24,406,406
Research & Development	372.25	87.21	50.95	741,890	741,890
Total	22,595.10	11,756.12	6,326.67	44,987,351	44,987,351

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.41	5.81	5.81	19.40	61.60	19.00	58	38	4
Manufacturing	13.41	5.81	5.81	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	13.41	5.81	5.81	0.00	0.00	0.00	0	0	0
Parking Lot	13.41	5.81	5.81	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947							
NaturalGas Unmitigated	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331							

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251						
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003						
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184						
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045						
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250						
Total		1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003						
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178						
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129						
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237						
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878						
Total		1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	116.4772	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Unmitigated	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	11.0518					0.0000	0.0000		0.0000	0.0000						
Consumer Products	125.7755					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1055	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Total	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						
Consumer Products	116.3717					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1055	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Total	116.4772	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - Air Quality (MITIGATED)
Yolo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

Trips and VMT - *modified haul trucks based on the use of 12 cubic yard haul trucks according to project engineer = 130000 / 12 = 10833 haul truck trips; would be hauled to off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle), with exception of PQP parcel = 224.42 acres + 11 acres for off-site sewer + 80 acres for off-site drainage basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation - mitigation requires use of only zero-VOC paints

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42

tblGrading	MaterialExported	0.00	130,000.00
tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblLandUse	LotAcreage	77.77	70.44
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81

tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.7349	60.7103	51.1212	0.0671	18.2962	2.8004	20.6630	9.9917	2.5763	12.1692						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	5.2885	55.2919	48.6468	0.0671	7.3909	2.5169	9.9078	3.5211	2.3155	5.8366						
2020	29.7841	88.4504	302.1929	0.6253	41.0837	2.3364	43.4201	11.0189	2.1823	13.2012						
2021	27.9576	76.4497	284.2701	0.6248	41.0847	2.0684	43.1531	11.0193	1.9314	12.9507						
2022	26.8038	68.8026	266.9324	0.6244	41.0857	1.8911	42.9768	11.0197	1.7648	12.7845						
2023	25.1253	62.5472	241.5356	0.6238	41.0863	1.7203	42.8067	11.0199	1.6047	12.6247						
2024	24.5698	60.5212	233.7884	0.6238	41.0875	1.6276	42.7151	11.0204	1.5166	12.5371						
2025	23.9216	58.5806	223.7618	0.6237	41.0886	1.5355	42.6241	11.0209	1.4294	12.4503						
2026	23.6256	57.7558	218.8129	0.6237	41.0892	1.5368	42.6260	11.0211	1.4306	12.4517						
2027	23.4375	57.1056	215.2619	0.6237	41.0899	1.5391	42.6290	11.0214	1.4327	12.4541						
2028	23.2354	56.4995	211.8988	0.6237	41.0906	1.5404	42.6310	11.0217	1.4339	12.4556						
2029	23.0479	55.9565	208.9214	0.6238	41.0912	1.5413	42.6325	11.0219	1.4347	12.4566						
2030	22.6771	50.6277	205.5754	0.6277	41.0916	1.1332	42.2248	11.0221	1.0577	12.0798						
2031	22.5600	50.1989	203.6676	0.6278	41.0923	1.1337	42.2261	11.0224	1.0583	12.0806						
2032	22.4527	49.8323	202.0002	0.6278	41.0930	1.1342	42.2272	11.0226	1.0586	12.0813						
2033	22.3215	49.4906	200.4854	0.6278	41.0936	1.1343	42.2279	11.0229	1.0588	12.0816						
2034	22.1821	49.2064	199.1208	0.6279	41.0941	1.1340	42.2282	11.0231	1.0585	12.0816						
2035	21.9221	48.1013	197.8399	0.6279	41.0946	1.0654	42.1599	11.0233	0.9899	12.0132						
Total	401.5508	1,108.001 2	3,756.267 3	10.1832	701.4201	32.1444	733.1311	199.8458	29.8701	229.3171						

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9033	51.8729	40.4339	0.0416	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269						
2018	5.7349	60.7103	51.1212	0.0671	18.2962	2.8004	20.6630	9.9917	2.5763	12.1692						
2019	5.2885	55.2919	48.6468	0.0671	7.3909	2.5169	9.9078	3.5211	2.3155	5.8366						
2020	29.7841	88.4504	302.1929	0.6253	41.0837	2.3364	43.4201	11.0189	2.1823	13.2012						
2021	27.9576	76.4497	284.2701	0.6248	41.0847	2.0684	43.1531	11.0193	1.9314	12.9507						
2022	26.8038	68.8026	266.9324	0.6244	41.0857	1.8911	42.9768	11.0197	1.7648	12.7845						
2023	25.1253	62.5472	241.5356	0.6238	41.0863	1.7203	42.8067	11.0199	1.6047	12.6247						
2024	24.5698	60.5212	233.7884	0.6238	41.0875	1.6276	42.7151	11.0204	1.5166	12.5371						
2025	23.9216	58.5806	223.7618	0.6237	41.0886	1.5355	42.6241	11.0209	1.4294	12.4503						
2026	23.6256	57.7558	218.8129	0.6237	41.0892	1.5368	42.6260	11.0211	1.4306	12.4517						
2027	23.4375	57.1056	215.2619	0.6237	41.0899	1.5391	42.6290	11.0214	1.4327	12.4541						
2028	23.2354	56.4995	211.8988	0.6237	41.0906	1.5404	42.6310	11.0217	1.4339	12.4556						
2029	23.0479	55.9565	208.9214	0.6238	41.0912	1.5413	42.6325	11.0219	1.4347	12.4566						
2030	22.6771	50.6277	205.5754	0.6277	41.0916	1.1332	42.2248	11.0221	1.0577	12.0798						
2031	22.5600	50.1989	203.6676	0.6278	41.0923	1.1337	42.2261	11.0224	1.0583	12.0806						

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Energy	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						
Mobile	50.8948	113.2978	574.5307	1.7831	121.6205	2.5604	124.1809	32.6334	2.3617	34.9951						
Total	189.4675	128.2174	588.2074	1.8726	121.6205	3.6976	125.3181	32.6334	3.4989	36.1323						

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	116.4772	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Energy	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947						
Mobile	50.8948	113.2978	574.5307	1.7831	121.6205	2.5604	124.1809	32.6334	2.3617	34.9951						
Total	168.5222	123.7646	584.4670	1.8459	121.6205	3.3592	124.9797	32.6334	3.1605	35.7939						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	11.05	3.47	0.64	1.43	0.00	9.15	0.27	0.00	9.67	0.94	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0572	0.1074	0.9191	2.5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	0.0572	0.1074	0.9191	2.5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762						
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0572	0.1074	0.9191	2.5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						
Total	0.0572	0.1074	0.9191	2.5300e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3818	1.0572	7.7933	2.5500e-003	0.0716	0.0107	0.0823	0.0190	9.8300e-003	0.0288						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0635	0.1194	1.0212	2.8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.4453	1.1765	8.8144	5.3700e-003	0.3270	0.0123	0.3393	0.0867	0.0113	0.0981						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3818	1.0572	7.7933	2.5500e-003	0.0716	0.0107	0.0823	0.0190	9.8300e-003	0.0288						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0635	0.1194	1.0212	2.8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.4453	1.1765	8.8144	5.3700e-003	0.3270	0.0123	0.3393	0.0867	0.0113	0.0981						

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3402	0.9853	7.4373	2.5400e-003	0.1051	0.0104	0.1155	0.0272	9.5500e-003	0.0368						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0571	0.1088	0.9206	2.8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	0.3973	1.0941	8.3579	5.3400e-003	0.3606	0.0120	0.3726	0.0950	0.0110	0.1060						

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261						
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045						
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3402	0.9853	7.4373	2.5400e-003	0.1051	0.0104	0.1155	0.0272	9.5500e-003	0.0368						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0571	0.1088	0.9206	2.8000e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692						
Total	0.3973	1.0941	8.3579	5.3400e-003	0.3606	0.0120	0.3726	0.0950	0.0110	0.1060						

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	2.0906	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	2.0906	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						
Total	0.0428	0.0816	0.6905	2.1000e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519						

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	1.9948	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						
Paving	0.6647					0.0000	0.0000		0.0000	0.0000						
Total	1.9948	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						
Total	0.0394	0.0751	0.6324	2.1000e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	9.7345	53.8637	167.1905	0.2087	5.8302	0.8962	6.7264	1.6700	0.8243	2.4943						
Worker	6.0381	11.5158	96.9688	0.3224	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	15.7726	65.3795	264.1593	0.5311	35.2082	1.0766	36.2847	9.4607	0.9915	10.4522						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	9.7345	53.8637	167.1905	0.2087	5.8302	0.8962	6.7264	1.6700	0.8243	2.4943						
Worker	6.0381	11.5158	96.9688	0.3224	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	15.7726	65.3795	264.1593	0.5311	35.2082	1.0766	36.2847	9.4607	0.9915	10.4522						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	8.5688	44.6830	157.2584	0.2082	5.8311	0.8031	6.6342	1.6704	0.7389	2.4092						
Worker	5.6886	10.7497	90.5471	0.3224	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	14.2574	55.4327	247.8055	0.5305	35.2091	0.9834	36.1925	9.4611	0.9060	10.3672						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	8.5688	44.6830	157.2584	0.2082	5.8311	0.8031	6.6342	1.6704	0.7389	2.4092						
Worker	5.6886	10.7497	90.5471	0.3224	29.3780	0.1803	29.5583	7.7908	0.1672	7.9579						
Total	14.2574	55.4327	247.8055	0.5305	35.2091	0.9834	36.1925	9.4611	0.9060	10.3672						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	7.9913	39.7507	146.9113	0.2078	5.8321	0.7869	6.6190	1.6708	0.7240	2.3947						
Worker	5.3820	10.0892	84.8999	0.3223	29.3780	0.1806	29.5586	7.7908	0.1675	7.9583						
Total	13.3732	49.8399	231.8112	0.5302	35.2101	0.9675	36.1776	9.4615	0.8915	10.3530						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	7.9913	39.7507	146.9113	0.2078	5.8321	0.7869	6.6190	1.6708	0.7240	2.3947						
Worker	5.3820	10.0892	84.8999	0.3223	29.3780	0.1806	29.5586	7.7908	0.1675	7.9583						
Total	13.3732	49.8399	231.8112	0.5302	35.2101	0.9675	36.1776	9.4615	0.8915	10.3530						

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.7996	35.5277	127.8600	0.2072	5.8328	0.7356	6.5683	1.6710	0.6768	2.3478						
Worker	5.0979	9.5033	79.7127	0.3223	29.3780	0.1810	29.5590	7.7908	0.1679	7.9587						
Total	11.8975	45.0309	207.5727	0.5295	35.2107	0.9166	36.1273	9.4618	0.8447	10.3065						

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.7996	35.5277	127.8600	0.2072	5.8328	0.7356	6.5683	1.6710	0.6768	2.3478						
Worker	5.0979	9.5033	79.7127	0.3223	29.3780	0.1810	29.5590	7.7908	0.1679	7.9587						
Total	11.8975	45.0309	207.5727	0.5295	35.2107	0.9166	36.1273	9.4618	0.8447	10.3065						

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.6482	35.1148	125.1168	0.2073	5.8340	0.7381	6.5720	1.6715	0.6790	2.3506						
Worker	4.8542	9.0085	75.6069	0.3222	29.3780	0.1817	29.5597	7.7908	0.1686	7.9594						
Total	11.5024	44.1233	200.7237	0.5295	35.2119	0.9198	36.1317	9.4623	0.8476	10.3099						

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.6482	35.1148	125.1168	0.2073	5.8340	0.7381	6.5720	1.6715	0.6790	2.3506						
Worker	4.8542	9.0085	75.6069	0.3222	29.3780	0.1817	29.5597	7.7908	0.1686	7.9594						
Total	11.5024	44.1233	200.7237	0.5295	35.2119	0.9198	36.1317	9.4623	0.8476	10.3099						

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.3601	34.7169	119.2471	0.2072	5.8350	0.7396	6.5746	1.6720	0.6804	2.3524						
Worker	4.6489	8.5904	72.2115	0.3222	29.3780	0.1828	29.5608	7.7908	0.1696	7.9604						
Total	11.0090	43.3073	191.4585	0.5294	35.2130	0.9224	36.1354	9.4627	0.8500	10.3128						

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.3601	34.7169	119.2471	0.2072	5.8350	0.7396	6.5746	1.6720	0.6804	2.3524						
Worker	4.6489	8.5904	72.2115	0.3222	29.3780	0.1828	29.5608	7.7908	0.1696	7.9604						
Total	11.0090	43.3073	191.4585	0.5294	35.2130	0.9224	36.1354	9.4627	0.8500	10.3128						

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2806	34.3141	117.6834	0.2072	5.8356	0.7389	6.5746	1.6722	0.6798	2.3520						
Worker	4.4684	8.2387	69.3905	0.3222	29.3780	0.1844	29.5624	7.7908	0.1711	7.9619						
Total	10.7490	42.5528	187.0739	0.5294	35.2136	0.9234	36.1370	9.4630	0.8509	10.3139						

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2806	34.3141	117.6834	0.2072	5.8356	0.7389	6.5746	1.6722	0.6798	2.3520						
Worker	4.4684	8.2387	69.3905	0.3222	29.3780	0.1844	29.5624	7.7908	0.1711	7.9619						
Total	10.7490	42.5528	187.0739	0.5294	35.2136	0.9234	36.1370	9.4630	0.8509	10.3139						

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2950	34.0417	117.1348	0.2073	5.8364	0.7396	6.5760	1.6725	0.6805	2.3530						
Worker	4.2997	7.9239	66.8885	0.3222	29.3780	0.1858	29.5638	7.7908	0.1723	7.9631						
Total	10.5947	41.9656	184.0233	0.5295	35.2143	0.9254	36.1397	9.4633	0.8528	10.3161						

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2950	34.0417	117.1348	0.2073	5.8364	0.7396	6.5760	1.6725	0.6805	2.3530						
Worker	4.2997	7.9239	66.8885	0.3222	29.3780	0.1858	29.5638	7.7908	0.1723	7.9631						
Total	10.5947	41.9656	184.0233	0.5295	35.2143	0.9254	36.1397	9.4633	0.8528	10.3161						

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2792	33.7821	116.4196	0.2073	5.8370	0.7395	6.5766	1.6728	0.6804	2.3532						
Worker	4.1445	7.6352	64.6819	0.3222	29.3780	0.1869	29.5649	7.7908	0.1734	7.9642						
Total	10.4237	41.4173	181.1015	0.5295	35.2150	0.9265	36.1415	9.4635	0.8538	10.3173						

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2792	33.7821	116.4196	0.2073	5.8370	0.7395	6.5766	1.6728	0.6804	2.3532						
Worker	4.1445	7.6352	64.6819	0.3222	29.3780	0.1869	29.5649	7.7908	0.1734	7.9642						
Total	10.4237	41.4173	181.1015	0.5295	35.2150	0.9265	36.1415	9.4635	0.8538	10.3173						

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2741	33.5742	115.9978	0.2073	5.8376	0.7394	6.5770	1.6730	0.6803	2.3533						
Worker	3.9925	7.3559	62.5523	0.3222	29.3780	0.1878	29.5658	7.7908	0.1742	7.9650						
Total	10.2665	40.9301	178.5500	0.5295	35.2156	0.9272	36.1428	9.4638	0.8545	10.3182						

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2741	33.5742	115.9978	0.2073	5.8376	0.7394	6.5770	1.6730	0.6803	2.3533						
Worker	3.9925	7.3559	62.5523	0.3222	29.3780	0.1878	29.5658	7.7908	0.1742	7.9650						
Total	10.2665	40.9301	178.5500	0.5295	35.2156	0.9272	36.1428	9.4638	0.8545	10.3182						

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.1657	33.3194	114.6902	0.2073	5.8380	0.7391	6.5772	1.6732	0.6800	2.3532						
Worker	3.8550	7.1118	60.7968	0.3222	29.3780	0.1885	29.5664	7.7908	0.1748	7.9656						
Total	10.0207	40.4312	175.4870	0.5295	35.2160	0.9276	36.1436	9.4639	0.8548	10.3188						

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.1657	33.3194	114.6902	0.2073	5.8380	0.7391	6.5772	1.6732	0.6800	2.3532						
Worker	3.8550	7.1118	60.7968	0.3222	29.3780	0.1885	29.5664	7.7908	0.1748	7.9656						
Total	10.0207	40.4312	175.4870	0.5295	35.2160	0.9276	36.1436	9.4639	0.8548	10.3188						

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2050	33.1715	114.7405	0.2074	5.8387	0.7393	6.5781	1.6735	0.6802	2.3537						
Worker	3.7247	6.8777	59.1650	0.3222	29.3780	0.1887	29.5667	7.7908	0.1751	7.9659						
Total	9.9297	40.0492	173.9055	0.5295	35.2167	0.9281	36.1448	9.4642	0.8553	10.3195						

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2050	33.1715	114.7405	0.2074	5.8387	0.7393	6.5781	1.6735	0.6802	2.3537						
Worker	3.7247	6.8777	59.1650	0.3222	29.3780	0.1887	29.5667	7.7908	0.1751	7.9659						
Total	9.9297	40.0492	173.9055	0.5295	35.2167	0.9281	36.1448	9.4642	0.8553	10.3195						

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2401	33.0505	114.7617	0.2074	5.8394	0.7396	6.5790	1.6737	0.6804	2.3542						
Worker	3.6060	6.6730	57.7579	0.3222	29.3780	0.1889	29.5669	7.7908	0.1752	7.9660						
Total	9.8461	39.7235	172.5196	0.5296	35.2174	0.9285	36.1459	9.4645	0.8557	10.3202						

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2401	33.0505	114.7617	0.2074	5.8394	0.7396	6.5790	1.6737	0.6804	2.3542						
Worker	3.6060	6.6730	57.7579	0.3222	29.3780	0.1889	29.5669	7.7908	0.1752	7.9660						
Total	9.8461	39.7235	172.5196	0.5296	35.2174	0.9285	36.1459	9.4645	0.8557	10.3202						

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2415	32.9107	114.6170	0.2075	5.8400	0.7396	6.5797	1.6740	0.6805	2.3544						
Worker	3.4955	6.5048	56.6162	0.3222	29.3780	0.1890	29.5670	7.7908	0.1753	7.9661						
Total	9.7370	39.4155	171.2331	0.5296	35.2180	0.9286	36.1466	9.4647	0.8558	10.3205						

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2415	32.9107	114.6170	0.2075	5.8400	0.7396	6.5797	1.6740	0.6805	2.3544						
Worker	3.4955	6.5048	56.6162	0.3222	29.3780	0.1890	29.5670	7.7908	0.1753	7.9661						
Total	9.7370	39.4155	171.2331	0.5296	35.2180	0.9286	36.1466	9.4647	0.8558	10.3205						

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2363	32.7962	114.5647	0.2075	5.8406	0.7395	6.5801	1.6742	0.6804	2.3546						
Worker	3.3837	6.3633	55.5225	0.3222	29.3780	0.1888	29.5668	7.7908	0.1752	7.9660						
Total	9.6200	39.1595	170.0873	0.5296	35.2186	0.9284	36.1469	9.4650	0.8556	10.3205						

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2363	32.7962	114.5647	0.2075	5.8406	0.7395	6.5801	1.6742	0.6804	2.3546						
Worker	3.3837	6.3633	55.5225	0.3222	29.3780	0.1888	29.5668	7.7908	0.1752	7.9660						
Total	9.6200	39.1595	170.0873	0.5296	35.2186	0.9284	36.1469	9.4650	0.8556	10.3205						

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2001	32.6892	114.4644	0.2075	5.8410	0.7391	6.5800	1.6744	0.6799	2.3543						
Worker	3.2845	6.2528	54.5742	0.3222	29.3780	0.1886	29.5666	7.7908	0.1750	7.9658						
Total	9.4846	38.9420	169.0386	0.5297	35.2190	0.9277	36.1467	9.4651	0.8549	10.3201						

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.2001	32.6892	114.4644	0.2075	5.8410	0.7391	6.5800	1.6744	0.6799	2.3543						
Worker	3.2845	6.2528	54.5742	0.3222	29.3780	0.1886	29.5666	7.7908	0.1750	7.9658						
Total	9.4846	38.9420	169.0386	0.5297	35.2190	0.9277	36.1467	9.4651	0.8549	10.3201						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	10.6927	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2076	2.3032	19.3938	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.2076	2.3032	19.3938	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	10.6927	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2076	2.3032	19.3938	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.2076	2.3032	19.3938	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	10.6694	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1377	2.1499	18.1094	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.1377	2.1499	18.1094	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	10.6694	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.1377	2.1499	18.1094	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						
Total	1.1377	2.1499	18.1094	0.0645	5.8756	0.0361	5.9117	1.5582	0.0334	1.5916						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	10.6551	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0764	2.0178	16.9800	0.0645	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						
Total	1.0764	2.0178	16.9800	0.0645	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	10.6551	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0764	2.0178	16.9800	0.0645	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						
Total	1.0764	2.0178	16.9800	0.0645	5.8756	0.0361	5.9117	1.5582	0.0335	1.5917						

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	10.6422	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0196	1.9007	15.9426	0.0645	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						
Total	1.0196	1.9007	15.9426	0.0645	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						
Total	10.6422	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.0196	1.9007	15.9426	0.0645	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						
Total	1.0196	1.9007	15.9426	0.0645	5.8756	0.0362	5.9118	1.5582	0.0336	1.5917						

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	10.6313	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9708	1.8017	15.1214	0.0645	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						
Total	0.9708	1.8017	15.1214	0.0645	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						
Total	10.6313	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9708	1.8017	15.1214	0.0645	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						
Total	0.9708	1.8017	15.1214	0.0645	5.8756	0.0364	5.9119	1.5582	0.0337	1.5919						

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9298	1.7181	14.4423	0.0644	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						
Total	0.9298	1.7181	14.4423	0.0644	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9298	1.7181	14.4423	0.0644	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						
Total	0.9298	1.7181	14.4423	0.0644	5.8756	0.0366	5.9122	1.5582	0.0339	1.5921						

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8937	1.6477	13.8781	0.0644	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						
Total	0.8937	1.6477	13.8781	0.0644	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8937	1.6477	13.8781	0.0644	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						
Total	0.8937	1.6477	13.8781	0.0644	5.8756	0.0369	5.9125	1.5582	0.0342	1.5924						

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8599	1.5848	13.3777	0.0644	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						
Total	0.8599	1.5848	13.3777	0.0644	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8599	1.5848	13.3777	0.0644	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						
Total	0.8599	1.5848	13.3777	0.0644	5.8756	0.0372	5.9128	1.5582	0.0345	1.5926						

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8289	1.5271	12.9364	0.0644	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						
Total	0.8289	1.5271	12.9364	0.0644	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8289	1.5271	12.9364	0.0644	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						
Total	0.8289	1.5271	12.9364	0.0644	5.8756	0.0374	5.9130	1.5582	0.0347	1.5928						

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7985	1.4712	12.5105	0.0644	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						
Total	0.7985	1.4712	12.5105	0.0644	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						
Total	10.6214	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7985	1.4712	12.5105	0.0644	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						
Total	0.7985	1.4712	12.5105	0.0644	5.8756	0.0376	5.9132	1.5582	0.0348	1.5930						

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7710	1.4224	12.1594	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						
Total	0.7710	1.4224	12.1594	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7710	1.4224	12.1594	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						
Total	0.7710	1.4224	12.1594	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5931						

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7450	1.3755	11.8330	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.7450	1.3755	11.8330	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7450	1.3755	11.8330	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.7450	1.3755	11.8330	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7212	1.3346	11.5516	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.7212	1.3346	11.5516	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7212	1.3346	11.5516	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.7212	1.3346	11.5516	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6991	1.3010	11.3232	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.6991	1.3010	11.3232	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6991	1.3010	11.3232	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						
Total	0.6991	1.3010	11.3232	0.0644	5.8756	0.0378	5.9134	1.5582	0.0351	1.5932						

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6767	1.2727	11.1045	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.6767	1.2727	11.1045	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						
Total	10.5813	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6767	1.2727	11.1045	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						
Total	0.6767	1.2727	11.1045	0.0644	5.8756	0.0378	5.9134	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	10.5684	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6569	1.2506	10.9148	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						
Total	0.6569	1.2506	10.9148	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.4505					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						
Total	10.5684	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6569	1.2506	10.9148	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						
Total	0.6569	1.2506	10.9148	0.0644	5.8756	0.0377	5.9133	1.5582	0.0350	1.5932						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	50.8948	113.2978	574.5307	1.7831	121.6205	2.5604	124.1809	32.6334	2.3617	34.9951						
Unmitigated	50.8948	113.2978	574.5307	1.7831	121.6205	2.5604	124.1809	32.6334	2.3617	34.9951						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,110,712	2,110,712
Manufacturing	3,376.88	1,317.16	548.08	9,361,921	9,361,921
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	6,684,581	6,684,581
Regional Shopping Center	1,080.37	1,257.25	635.04	1,681,841	1,681,841
Research & Development	12,246.10	2,869.00	1676.10	24,406,406	24,406,406
Research & Development	372.25	87.21	50.95	741,890	741,890
Total	22,595.10	11,756.12	6,326.67	44,987,351	44,987,351

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.41	5.81	5.81	19.40	61.60	19.00	58	38	4
Manufacturing	13.41	5.81	5.81	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	13.41	5.81	5.81	0.00	0.00	0.00	0	0	0
Parking Lot	13.41	5.81	5.81	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
NaturalGas Mitigated	1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947							
NaturalGas Unmitigated	1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331							

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539						
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251						
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003						
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184						
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045						
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250						
Total		1.6400	14.9092	12.5237	0.0895		1.1331	1.1331		1.1331	1.1331						

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Land Use	kBTU/yr	lb/day										lb/day						
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480							
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000							
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000							
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003							
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178							
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129							
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237							
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878							
Total		1.1502	10.4564	8.7834	0.0627		0.7947	0.7947		0.7947	0.7947							

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	116.4772	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Unmitigated	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	11.0518					0.0000	0.0000		0.0000	0.0000						
Consumer Products	125.7755					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1055	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Total	136.9327	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000						
Consumer Products	116.3717					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.1055	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						
Total	116.4772	0.0104	1.1529	9.0000e-005		4.0900e-003	4.0900e-003		4.0900e-003	4.0900e-003						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - Air Quality (MITIGATED)

Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	3.17630E-001	2.13234E+000	3.48618E+000	5.73000E-003	9.19400E-002	9.19400E-002						
Cranes	5.15850E-001	4.31996E+000	2.71083E+000	1.03400E-002	1.75840E-001	1.63120E-001						
Excavators	1.12620E-001	1.18846E+000	1.32468E+000	2.09000E-003	5.75200E-002	5.29200E-002						
Forklifts	5.50450E-001	4.40816E+000	6.72340E+000	9.61000E-003	2.15610E-001	1.99470E-001						
Generator Sets	4.95590E-001	4.46859E+000	7.05460E+000	1.27000E-002	1.68440E-001	1.68440E-001						
Graders	1.59260E-001	1.58398E+000	9.16620E-001	1.23000E-003	8.89000E-002	8.17800E-002						
Pavers	7.33000E-002	7.88960E-001	7.80650E-001	1.27000E-003	3.84700E-002	3.53900E-002						
Paving Equipment	5.77900E-002	6.02630E-001	6.97720E-001	1.12000E-003	3.00500E-002	2.76400E-002						
Rollers	6.02500E-002	5.99810E-001	5.31630E-001	7.30000E-004	3.87200E-002	3.56200E-002						
Rubber Tired Dozers	4.73290E-001	5.18389E+000	3.94429E+000	3.76000E-003	2.39960E-001	2.20760E-001						
Scrapers	4.33260E-001	5.32047E+000	3.30415E+000	5.89000E-003	2.09230E-001	1.92500E-001						
Tractors/Loaders/Backhoes	9.85500E-001	8.57557E+000	1.31672E+001	1.92200E-002	3.96300E-001	3.67360E-001						
Welders	4.13740E-001	2.54561E+000	3.17587E+000	4.93000E-003	7.30800E-002	7.30800E-002						

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	3.17630E-001	2.13233E+000	3.48618E+000	5.73000E-003	9.19400E-002	9.19400E-002						
Cranes	5.15850E-001	4.31996E+000	2.71083E+000	1.03400E-002	1.75840E-001	1.63120E-001						
Excavators	1.12620E-001	1.18846E+000	1.32467E+000	2.09000E-003	5.75200E-002	5.29200E-002						
Forklifts	5.50450E-001	4.40816E+000	6.72339E+000	9.61000E-003	2.15610E-001	1.99470E-001						
Generator Sets	4.95590E-001	4.46859E+000	7.05459E+000	1.27000E-002	1.68440E-001	1.68440E-001						
Graders	1.59260E-001	1.58398E+000	9.16620E-001	1.23000E-003	8.89000E-002	8.17800E-002						
Pavers	7.33000E-002	7.88950E-001	7.80650E-001	1.27000E-003	3.84700E-002	3.53900E-002						
Paving Equipment	5.77900E-002	6.02630E-001	6.97720E-001	1.12000E-003	3.00500E-002	2.76400E-002						
Rollers	6.02500E-002	5.99810E-001	5.31630E-001	7.30000E-004	3.87200E-002	3.56200E-002						
Rubber Tired Dozers	4.73290E-001	5.18389E+000	3.94429E+000	3.76000E-003	2.39960E-001	2.20760E-001						
Scrapers	4.33260E-001	5.32046E+000	3.30414E+000	5.89000E-003	2.09230E-001	1.92500E-001						
Tractors/Loaders/Balkhoes	9.85500E-001	8.57556E+000	1.31672E+001	1.92200E-002	3.96300E-001	3.67360E-001						
Welders	4.13740E-001	2.54560E+000	3.17587E+000	4.93000E-003	7.30800E-002	7.30800E-002						

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	4.68968E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Excavators	0.00000E+000	0.00000E+000	7.54899E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Forklifts	0.00000E+000	0.00000E+000	1.48734E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Generator Sets	0.00000E+000	0.00000E+000	1.41751E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	1.26749E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Scrapers	0.00000E+000	1.87953E-006	3.02650E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Tractors/Loaders/Balckhoes	0.00000E+000	1.16610E-006	1.51892E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Welders	0.00000E+000	3.92833E-006	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	10.98	2.92	10.98	2.92	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	65.84	17.74	65.84	17.74	0.00	0.00
Grading	Fugitive Dust	2.78	1.35	2.78	1.35	0.00	0.00
Grading	Roads	0.07	0.02	0.07	0.02	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.03	0.01	0.03	0.01	0.00	0.00
Site Preparation	Fugitive Dust	2.71	1.49	2.71	1.49	0.00	0.00
Site Preparation	Roads	0.02	0.00	0.02	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	7.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	29.87	29.87	29.87	29.84	29.86	29.86	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.21	0.50		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25	0.00		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	0.00
Yes	Use Low VOC Paint (Residential Exterior)	0.00
Yes	Use Low VOC Paint (Non-residential Interior)	0.00
Yes	Use Low VOC Paint (Non-residential Exterior)	0.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	50.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	30.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Mace Ranch Innovation Center - GHG - Operational Year (2035)
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	375.68	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor modified for anticipated PG&E RPS by 2035

Land Use - *

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (plus 2 commercial parcels of Mace Triangle) = 224.42 acres + 11 acres (off-site sewer improvements) + 80 acres (off-site detention basin); detention basin requires export of soil

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - would use 12 cubic yard haul trucks; hauling soil to site 2 miles away

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LotAcreage	77.77	70.44
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	375.68
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43

tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017											0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018											0.0000	767.2304	767.2304	0.2241	0.0000	771.9356
2019											0.0000	573.2409	573.2409	0.1702	0.0000	576.8148
2020											0.0000	2,201.5938	2,201.5938	0.1357	0.0000	2,204.4430
2021											0.0000	5,930.0159	5,930.0159	0.2304	0.0000	5,934.8546
2022											0.0000	5,854.8494	5,854.8494	0.2233	0.0000	5,859.5390
2023											0.0000	5,805.9235	5,805.9235	0.2166	0.0000	5,810.4715

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024											0.0000	5,810.3383	5,810.3383	0.2133	0.0000	5,814.8185
2025											0.0000	5,752.8402	5,752.8402	0.2084	0.0000	5,757.2163
2026											0.0000	5,722.4293	5,722.4293	0.2053	0.0000	5,726.7395
2027											0.0000	5,696.0931	5,696.0931	0.2024	0.0000	5,700.3444
2028											0.0000	5,651.6558	5,651.6558	0.1991	0.0000	5,655.8376
2029											0.0000	5,653.8731	5,653.8731	0.1975	0.0000	5,658.0194
2030											0.0000	5,677.3881	5,677.3881	0.1378	0.0000	5,680.2810
2031											0.0000	5,663.7388	5,663.7388	0.1357	0.0000	5,666.5891
2032											0.0000	5,674.0918	5,674.0918	0.1345	0.0000	5,676.9152
2033											0.0000	5,621.4499	5,621.4499	0.1319	0.0000	5,624.2199
2034											0.0000	5,613.5963	5,613.5963	0.1305	0.0000	5,616.3364
2035											0.0000	2,607.9492	2,607.9492	0.0598	0.0000	2,609.2052
Total											0.0000	86,526.5850	86,526.5850	3.2293	0.0000	86,594.3994

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017											0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018											0.0000	767.2295	767.2295	0.2241	0.0000	771.9348
2019											0.0000	573.2403	573.2403	0.1702	0.0000	576.8142
2020											0.0000	2,201.5935	2,201.5935	0.1357	0.0000	2,204.4426
2021											0.0000	5,930.0155	5,930.0155	0.2304	0.0000	5,934.8542
2022											0.0000	5,854.8490	5,854.8490	0.2233	0.0000	5,859.5386
2023											0.0000	5,805.9231	5,805.9231	0.2166	0.0000	5,810.4711
2024											0.0000	5,810.3379	5,810.3379	0.2133	0.0000	5,814.8181
2025											0.0000	5,752.8398	5,752.8398	0.2084	0.0000	5,757.2159
2026											0.0000	5,722.4289	5,722.4289	0.2053	0.0000	5,726.7391
2027											0.0000	5,696.0927	5,696.0927	0.2024	0.0000	5,700.3440
2028											0.0000	5,651.6554	5,651.6554	0.1991	0.0000	5,655.8372
2029											0.0000	5,653.8727	5,653.8727	0.1975	0.0000	5,658.0190
2030											0.0000	5,677.3876	5,677.3876	0.1378	0.0000	5,680.2806
2031											0.0000	5,663.7383	5,663.7383	0.1357	0.0000	5,666.5887
2032											0.0000	5,674.0914	5,674.0914	0.1345	0.0000	5,676.9147
2033											0.0000	5,621.4494	5,621.4494	0.1319	0.0000	5,624.2194
2034											0.0000	5,613.5959	5,613.5959	0.1305	0.0000	5,616.3359

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2035											0.0000	2,607.9490	2,607.9490	0.0598	0.0000	2,609.2050
Total											0.0000	86,526.5769	86,526.5769	3.2293	0.0000	86,594.3912

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Energy											0.0000	7,824.4384	7,824.4384	0.4321	0.1320	7,874.4210
Mobile											0.0000	19,260.4795	19,260.4795	0.4394	0.0000	19,269.7067
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	909.5950	1,221.3056	32.0859	0.7705	2,133.9602
Total											601.5716	27,994.7158	28,596.2874	50.0882	0.9025	29,927.8988

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Energy											0.0000	4,354.6479	4,354.6479	0.2156	0.0745	4,382.2569
Mobile											0.0000	19,260.4795	19,260.4795	0.4394	0.0000	19,269.7067
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											218.1975	584.8420	803.0394	22.4561	0.5385	1,441.5567
Total											508.0584	24,200.1723	24,708.2307	40.2419	0.6130	25,743.3312

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.54	13.55	13.60	19.66	32.08	13.98

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.3 Grading - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	50.5197	50.5197	1.4200e-003	0.0000	50.5495

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	50.5197	50.5197	1.4200e-003	0.0000	50.5495

3.3 Grading - 2019**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312
Total											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	31.3740	31.3740	8.6000e-004	0.0000	31.3919

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307
Total											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	31.3740	31.3740	8.6000e-004	0.0000	31.3919

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	787.9434	787.9434	5.9100e-003	0.0000	788.0674
Worker											0.0000	950.5655	950.5655	0.0413	0.0000	951.4326
Total											0.0000	1,738.5090	1,738.5090	0.0472	0.0000	1,739.5000

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	787.9434	787.9434	5.9100e-003	0.0000	788.0674
Worker											0.0000	950.5655	950.5655	0.0413	0.0000	951.4326
Total											0.0000	1,738.5090	1,738.5090	0.0472	0.0000	1,739.5000

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,307.0330	2,307.0330	0.0172	0.0000	2,307.3933
Worker											0.0000	2,740.5242	2,740.5242	0.1154	0.0000	2,742.9470
Total											0.0000	5,047.5572	5,047.5572	0.1325	0.0000	5,050.3403

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,307.0330	2,307.0330	0.0172	0.0000	2,307.3933
Worker											0.0000	2,740.5242	2,740.5242	0.1154	0.0000	2,742.9470
Total											0.0000	5,047.5572	5,047.5572	0.1325	0.0000	5,050.3403

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.5829	2,296.5829	0.0173	0.0000	2,296.9467
Worker											0.0000	2,687.5663	2,687.5663	0.1101	0.0000	2,689.8774
Total											0.0000	4,984.1492	4,984.1492	0.1274	0.0000	4,986.8241

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.5829	2,296.5829	0.0173	0.0000	2,296.9467
Worker											0.0000	2,687.5663	2,687.5663	0.1101	0.0000	2,689.8774
Total											0.0000	4,984.1492	4,984.1492	0.1274	0.0000	4,986.8241

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,293.5424	2,293.5424	0.0164	0.0000	2,293.8869
Worker											0.0000	2,649.2424	2,649.2424	0.1058	0.0000	2,651.4631
Total											0.0000	4,942.7848	4,942.7848	0.1222	0.0000	4,945.3500

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,293.5424	2,293.5424	0.0164	0.0000	2,293.8869
Worker											0.0000	2,649.2424	2,649.2424	0.1058	0.0000	2,651.4631
Total											0.0000	4,942.7848	4,942.7848	0.1222	0.0000	4,945.3500

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,312.0116	2,312.0116	0.0166	0.0000	2,312.3599
Worker											0.0000	2,635.3454	2,635.3454	0.1029	0.0000	2,637.5059
Total											0.0000	4,947.3570	4,947.3570	0.1195	0.0000	4,949.8659

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,312.0116	2,312.0116	0.0166	0.0000	2,312.3599
Worker											0.0000	2,635.3454	2,635.3454	0.1029	0.0000	2,637.5059
Total											0.0000	4,947.3570	4,947.3570	0.1195	0.0000	4,949.8659

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,303.7716	2,303.7716	0.0166	0.0000	2,304.1195
Worker											0.0000	2,595.2890	2,595.2890	0.0994	0.0000	2,597.3761
Total											0.0000	4,899.0606	4,899.0606	0.1160	0.0000	4,901.4955

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,303.7716	2,303.7716	0.0166	0.0000	2,304.1195
Worker											0.0000	2,595.2890	2,595.2890	0.0994	0.0000	2,597.3761
Total											0.0000	4,899.0606	4,899.0606	0.1160	0.0000	4,901.4955

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.3563	2,304.3563	0.0166	0.0000	2,304.7044
Worker											0.0000	2,569.4593	2,569.4593	0.0968	0.0000	2,571.4912
Total											0.0000	4,873.8156	4,873.8156	0.1133	0.0000	4,876.1957

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.3563	2,304.3563	0.0166	0.0000	2,304.7044
Worker											0.0000	2,569.4593	2,569.4593	0.0968	0.0000	2,571.4912
Total											0.0000	4,873.8156	4,873.8156	0.1133	0.0000	4,876.1957

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.9874	2,304.9874	0.0166	0.0000	2,305.3362
Worker											0.0000	2,546.9865	2,546.9865	0.0944	0.0000	2,548.9688
Total											0.0000	4,851.9739	4,851.9739	0.1110	0.0000	4,854.3051

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.9874	2,304.9874	0.0166	0.0000	2,305.3362
Worker											0.0000	2,546.9865	2,546.9865	0.0944	0.0000	2,548.9688
Total											0.0000	4,851.9739	4,851.9739	0.1110	0.0000	4,854.3051

3.5 Building Construction - 2028**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.6755	2,296.6755	0.0166	0.0000	2,297.0233
Worker											0.0000	2,517.9507	2,517.9507	0.0919	0.0000	2,519.8809
Total											0.0000	4,814.6263	4,814.6263	0.1085	0.0000	4,816.9042

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.6755	2,296.6755	0.0166	0.0000	2,297.0233
Worker											0.0000	2,517.9507	2,517.9507	0.0919	0.0000	2,519.8809
Total											0.0000	4,814.6263	4,814.6263	0.1085	0.0000	4,816.9042

3.5 Building Construction - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,305.9500	2,305.9500	0.0166	0.0000	2,306.2993
Worker											0.0000	2,511.0010	2,511.0010	0.0902	0.0000	2,512.8955
Total											0.0000	4,816.9510	4,816.9510	0.1068	0.0000	4,819.1948

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,305.9500	2,305.9500	0.0166	0.0000	2,306.2993
Worker											0.0000	2,511.0010	2,511.0010	0.0902	0.0000	2,512.8955
Total											0.0000	4,816.9510	4,816.9510	0.1068	0.0000	4,819.1948

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.1919	2,306.1919	0.0166	0.0000	2,306.5414
Worker											0.0000	2,496.9568	2,496.9568	0.0884	0.0000	2,498.8128
Total											0.0000	4,803.1486	4,803.1486	0.1050	0.0000	4,805.3542

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.1919	2,306.1919	0.0166	0.0000	2,306.5414
Worker											0.0000	2,496.9568	2,496.9568	0.0884	0.0000	2,498.8128
Total											0.0000	4,803.1486	4,803.1486	0.1050	0.0000	4,805.3542

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.7250	2,306.7250	0.0167	0.0000	2,307.0748
Worker											0.0000	2,485.1381	2,485.1381	0.0867	0.0000	2,486.9584
Total											0.0000	4,791.8631	4,791.8631	0.1033	0.0000	4,794.0332

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.7250	2,306.7250	0.0167	0.0000	2,307.0748
Worker											0.0000	2,485.1381	2,485.1381	0.0867	0.0000	2,486.9584
Total											0.0000	4,791.8631	4,791.8631	0.1033	0.0000	4,794.0332

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,316.1264	2,316.1264	0.0167	0.0000	2,316.4778
Worker											0.0000	2,484.7343	2,484.7343	0.0855	0.0000	2,486.5298
Total											0.0000	4,800.8607	4,800.8607	0.1022	0.0000	4,803.0075

3.5 Building Construction - 2032**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,316.1264	2,316.1264	0.0167	0.0000	2,316.4778
Worker											0.0000	2,484.7343	2,484.7343	0.0855	0.0000	2,486.5298
Total											0.0000	4,800.8607	4,800.8607	0.1022	0.0000	4,803.0075

3.5 Building Construction - 2033**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,298.9079	2,298.9079	0.0166	0.0000	2,299.2568
Worker											0.0000	2,457.6084	2,457.6084	0.0836	0.0000	2,459.3635
Total											0.0000	4,756.5163	4,756.5163	0.1002	0.0000	4,758.6203

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,298.9079	2,298.9079	0.0166	0.0000	2,299.2568
Worker											0.0000	2,457.6084	2,457.6084	0.0836	0.0000	2,459.3635
Total											0.0000	4,756.5163	4,756.5163	0.1002	0.0000	4,758.6203

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,299.3288	2,299.3288	0.0166	0.0000	2,299.6778
Worker											0.0000	2,450.7130	2,450.7130	0.0824	0.0000	2,452.4430
Total											0.0000	4,750.0419	4,750.0419	0.0990	0.0000	4,752.1209

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,299.3288	2,299.3288	0.0166	0.0000	2,299.6778
Worker											0.0000	2,450.7130	2,450.7130	0.0824	0.0000	2,452.4430
Total											0.0000	4,750.0419	4,750.0419	0.0990	0.0000	4,752.1209

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	1,061.3695	1,061.3695	7.6700e-003	0.0000	1,061.5306
Worker											0.0000	1,128.4596	1,128.4596	0.0375	0.0000	1,129.2479
Total											0.0000	2,189.8291	2,189.8291	0.0452	0.0000	2,190.7785

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	1,061.3695	1,061.3695	7.6700e-003	0.0000	1,061.5306
Worker											0.0000	1,128.4596	1,128.4596	0.0375	0.0000	1,129.2479
Total											0.0000	2,189.8291	2,189.8291	0.0452	0.0000	2,190.7785

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060
Total											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060
Total											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894
Total											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894
Total											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755
Total											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755
Total											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926
Total											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926
Total											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012
Total											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012
Total											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752
Total											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752
Total											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983
Total											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983
Total											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938
Total											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938
Total											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762
Total											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762
Total											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762

3.6 Architectural Coating - 2029**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791
Total											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791
Total											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626
Total											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626
Total											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917
Total											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917
Total											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060
Total											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060
Total											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727
Total											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727
Total											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886
Total											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886
Total											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704
Total											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704
Total											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	19,260.47 95	19,260.47 95	0.4394	0.0000	19,269.70 67
Unmitigated											0.0000	19,260.47 95	19,260.47 95	0.4394	0.0000	19,269.70 67

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,340,767	2,340,767
Manufacturing	3,376.88	1,317.16	548.08	10,408,376	10,408,376
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,409,861	7,409,861
Regional Shopping Center	1,080.16	1,257.00	634.91	1,863,950	1,863,950
Research & Development	12,246.10	2,869.00	1676.10	27,095,907	27,095,907
Research & Development	372.26	87.21	50.95	823,662	823,662
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	22,594.89	11,755.87	6,326.54	49,942,522	49,942,522

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.93	6.43	6.43	19.40	61.60	19.00	58	38	4
Manufacturing	14.93	6.43	6.43	59.00	28.00	13.00	92	5	3
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0
Parking Lot	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated											0.0000	2,277.2320	2,277.2320	0.1758	0.0364	2,292.1982
Electricity Unmitigated											0.0000	4,862.3750	4,862.3750	0.3753	0.0777	4,894.3310
NaturalGas Mitigated											0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587
NaturalGas Unmitigated											0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	6.12236e+006											0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Manufacturing	1.73352e+007											0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.229e+006											0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155											0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007											0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119											0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Total												0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Manufacturing	1.21506e+007											0.0000	648.4012	648.4012	0.0124	0.0119	652.3473
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	219125											0.0000	11.6934	11.6934	2.2000e-004	2.1000e-004	11.7645
Regional Shopping Center	871100											0.0000	46.4852	46.4852	8.9000e-004	8.5000e-004	46.7681
Research & Development	2.0755e+007											0.0000	1,107.5632	1,107.5632	0.0212	0.0203	1,114.3036
Research & Development	630909											0.0000	33.6677	33.6677	6.5000e-004	6.2000e-004	33.8726
Hotel	4.30264e+006											0.0000	229.6052	229.6052	4.4000e-003	4.2100e-003	231.0025
Total												0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006	279.0998	0.0215	4.4600e-003	280.9341
Manufacturing	8.15932e+006	1,390.3937	0.1073	0.0222	1,399.5315
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2.70016e+006	460.1228	0.0355	7.3500e-003	463.1467
Regional Shopping Center	1.339e+006	228.1731	0.0176	3.6400e-003	229.6727
Regional Shopping Center	336825	57.3969	4.4300e-003	9.2000e-004	57.7742
Research & Development	1.39373e+007	2,374.9937	0.1833	0.0379	2,390.6024
Research & Development	423666	72.1951	5.5700e-003	1.1500e-003	72.6696
Total		4,862.3750	0.3753	0.0777	4,894.3310

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	744114	126.8011	9.7900e-003	2.0300e-003	127.6345
Manufacturing	3.81181e+006	649.5534	0.0501	0.0104	653.8223
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.35008e+006	230.0614	0.0178	3.6700e-003	231.5734
Regional Shopping Center	150452	25.6379	1.9800e-003	4.1000e-004	25.8064
Regional Shopping Center	598100	101.9196	7.8700e-003	1.6300e-003	102.5894
Research & Development	197925	33.7275	2.6000e-003	5.4000e-004	33.9492
Research & Development	6.51112e+006	1,109.5312	0.0857	0.0177	1,116.8231
Total		2,277.2320	0.1758	0.0364	2,292.1982

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Unmitigated											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Total											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Total											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	803.0394	22.4561	0.5385	1,441.5567
Unmitigated	1,221.3056	32.0859	0.7705	2,133.9602

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	4.9678	0.1243	2.9900e-003	8.5038
Manufacturing	204.425 / 0	253.3477	6.6757	0.1603	443.2299
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.27092 / 5.68217	14.8786	0.3030	7.3200e-003	23.5122
Research & Development	765.027 / 0	948.1116	24.9829	0.5999	1,658.7143
Total		1,221.3057	32.0859	0.7705	2,133.9602

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.66351 / 0.422779	3.3480	0.0870	2.0900e-003	5.8223
Manufacturing	143.098 / 0	166.3231	4.6722	0.1120	299.1682
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.48964 / 5.68217	10.9319	0.2122	5.1300e-003	16.9789
Research & Development	535.519 / 0	622.4365	17.4848	0.4193	1,119.5873
Total		803.0394	22.4561	0.5385	1,441.5567

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	289.8610	17.1303	0.0000	649.5971
Unmitigated	289.8610	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - GHG - Operational Year (2035) - MITIGATED
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	375.68	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity factor modified for anticipated PG&E RPS by 2035

Land Use - *

Construction Phase - *

Trips and VMT - would use 12 cubic yard haul trucks; hauling soil to site 2 miles away

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (plus 2 commercial parcels of Mace Triangle) = 224.42 acres + 11 acres (off-site sewer improvements) + 80 acres (off-site detention basin); detention basin requires export of soil

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation - mitigation requires use of only zero-VOC paints

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	150	0
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	100	0
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	100	0
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00

tblLandUse	LandUseSquareFeet	45,900.00	45,901.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LandUseSquareFeet	25,160.00	25,155.00
tblLandUse	LotAcreage	77.77	70.44
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	375.68
tblProjectCharacteristics	OperationalYear	2014	2035
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81

tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CC_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CNW_TL	6.60	5.81
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41
tblVehicleTrips	CW_TL	14.70	13.41

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017											0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018											0.0000	767.2304	767.2304	0.2241	0.0000	771.9356

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2019											0.0000	573.2409	573.2409	0.1702	0.0000	576.8148
2020											0.0000	2,201.5938	2,201.5938	0.1357	0.0000	2,204.4430
2021											0.0000	5,930.0159	5,930.0159	0.2304	0.0000	5,934.8546
2022											0.0000	5,854.8494	5,854.8494	0.2233	0.0000	5,859.5390
2023											0.0000	5,805.9235	5,805.9235	0.2166	0.0000	5,810.4715
2024											0.0000	5,810.3383	5,810.3383	0.2133	0.0000	5,814.8185
2025											0.0000	5,752.8402	5,752.8402	0.2084	0.0000	5,757.2163
2026											0.0000	5,722.4293	5,722.4293	0.2053	0.0000	5,726.7395
2027											0.0000	5,696.0931	5,696.0931	0.2024	0.0000	5,700.3444
2028											0.0000	5,651.6558	5,651.6558	0.1991	0.0000	5,655.8376
2029											0.0000	5,653.8731	5,653.8731	0.1975	0.0000	5,658.0194
2030											0.0000	5,677.3881	5,677.3881	0.1378	0.0000	5,680.2810
2031											0.0000	5,663.7388	5,663.7388	0.1357	0.0000	5,666.5891
2032											0.0000	5,674.0918	5,674.0918	0.1345	0.0000	5,676.9152
2033											0.0000	5,621.4499	5,621.4499	0.1319	0.0000	5,624.2199
2034											0.0000	5,613.5963	5,613.5963	0.1305	0.0000	5,616.3364
2035											0.0000	2,607.9492	2,607.9492	0.0598	0.0000	2,609.2052
Total											0.0000	86,526.5850	86,526.5850	3.2293	0.0000	86,594.3994

2.1 Overall Construction**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017											0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018											0.0000	767.2295	767.2295	0.2241	0.0000	771.9348
2019											0.0000	573.2403	573.2403	0.1702	0.0000	576.8142
2020											0.0000	2,201.5935	2,201.5935	0.1357	0.0000	2,204.4426
2021											0.0000	5,930.0155	5,930.0155	0.2304	0.0000	5,934.8542
2022											0.0000	5,854.8490	5,854.8490	0.2233	0.0000	5,859.5386
2023											0.0000	5,805.9231	5,805.9231	0.2166	0.0000	5,810.4711
2024											0.0000	5,810.3379	5,810.3379	0.2133	0.0000	5,814.8181
2025											0.0000	5,752.8398	5,752.8398	0.2084	0.0000	5,757.2159
2026											0.0000	5,722.4289	5,722.4289	0.2053	0.0000	5,726.7391
2027											0.0000	5,696.0927	5,696.0927	0.2024	0.0000	5,700.3440
2028											0.0000	5,651.6554	5,651.6554	0.1991	0.0000	5,655.8372
2029											0.0000	5,653.8727	5,653.8727	0.1975	0.0000	5,658.0190
2030											0.0000	5,677.3876	5,677.3876	0.1378	0.0000	5,680.2806
2031											0.0000	5,663.7383	5,663.7383	0.1357	0.0000	5,666.5887

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Energy											0.0000	7,824.4384	7,824.4384	0.4321	0.1320	7,874.4210
Mobile											0.0000	17,417.0100	17,417.0100	0.3996	0.0000	17,425.4017
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	909.5950	1,221.3056	32.0859	0.7705	2,133.9602
Total											601.5716	26,151.2463	26,752.8180	50.0484	0.9025	28,083.5938

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Energy											0.0000	4,354.6479	4,354.6479	0.2156	0.0745	4,382.2569
Mobile											0.0000	17,417.0100	17,417.0100	0.3996	0.0000	17,425.4017
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											218.1975	584.8420	803.0394	22.4561	0.5385	1,441.5567
Total											508.0584	22,356.7028	22,864.7612	40.2021	0.6130	23,899.0262

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.54	14.51	14.53	19.67	32.08	14.90

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2018**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	50.5197	50.5197	1.4200e-003	0.0000	50.5495

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	50.5197	50.5197	1.4200e-003	0.0000	50.5495

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312
Total											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	31.3740	31.3740	8.6000e-004	0.0000	31.3919

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307
Total											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	31.3740	31.3740	8.6000e-004	0.0000	31.3919

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	787.9434	787.9434	5.9100e-003	0.0000	788.0674
Worker											0.0000	950.5655	950.5655	0.0413	0.0000	951.4326
Total											0.0000	1,738.5090	1,738.5090	0.0472	0.0000	1,739.5000

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	787.9434	787.9434	5.9100e-003	0.0000	788.0674
Worker											0.0000	950.5655	950.5655	0.0413	0.0000	951.4326
Total											0.0000	1,738.5090	1,738.5090	0.0472	0.0000	1,739.5000

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,307.0330	2,307.0330	0.0172	0.0000	2,307.3933
Worker											0.0000	2,740.5242	2,740.5242	0.1154	0.0000	2,742.9470
Total											0.0000	5,047.5572	5,047.5572	0.1325	0.0000	5,050.3403

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,307.0330	2,307.0330	0.0172	0.0000	2,307.3933
Worker											0.0000	2,740.5242	2,740.5242	0.1154	0.0000	2,742.9470
Total											0.0000	5,047.5572	5,047.5572	0.1325	0.0000	5,050.3403

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.5829	2,296.5829	0.0173	0.0000	2,296.9467
Worker											0.0000	2,687.5663	2,687.5663	0.1101	0.0000	2,689.8774
Total											0.0000	4,984.1492	4,984.1492	0.1274	0.0000	4,986.8241

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.5829	2,296.5829	0.0173	0.0000	2,296.9467
Worker											0.0000	2,687.5663	2,687.5663	0.1101	0.0000	2,689.8774
Total											0.0000	4,984.1492	4,984.1492	0.1274	0.0000	4,986.8241

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,293.5424	2,293.5424	0.0164	0.0000	2,293.8869
Worker											0.0000	2,649.2424	2,649.2424	0.1058	0.0000	2,651.4631
Total											0.0000	4,942.7848	4,942.7848	0.1222	0.0000	4,945.3500

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,293.5424	2,293.5424	0.0164	0.0000	2,293.8869
Worker											0.0000	2,649.2424	2,649.2424	0.1058	0.0000	2,651.4631
Total											0.0000	4,942.7848	4,942.7848	0.1222	0.0000	4,945.3500

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,312.0116	2,312.0116	0.0166	0.0000	2,312.3599
Worker											0.0000	2,635.3454	2,635.3454	0.1029	0.0000	2,637.5059
Total											0.0000	4,947.3570	4,947.3570	0.1195	0.0000	4,949.8659

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,312.0116	2,312.0116	0.0166	0.0000	2,312.3599
Worker											0.0000	2,635.3454	2,635.3454	0.1029	0.0000	2,637.5059
Total											0.0000	4,947.3570	4,947.3570	0.1195	0.0000	4,949.8659

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,303.7716	2,303.7716	0.0166	0.0000	2,304.1195
Worker											0.0000	2,595.2890	2,595.2890	0.0994	0.0000	2,597.3761
Total											0.0000	4,899.0606	4,899.0606	0.1160	0.0000	4,901.4955

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,303.7716	2,303.7716	0.0166	0.0000	2,304.1195
Worker											0.0000	2,595.2890	2,595.2890	0.0994	0.0000	2,597.3761
Total											0.0000	4,899.0606	4,899.0606	0.1160	0.0000	4,901.4955

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.3563	2,304.3563	0.0166	0.0000	2,304.7044
Worker											0.0000	2,569.4593	2,569.4593	0.0968	0.0000	2,571.4912
Total											0.0000	4,873.8156	4,873.8156	0.1133	0.0000	4,876.1957

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.3563	2,304.3563	0.0166	0.0000	2,304.7044
Worker											0.0000	2,569.4593	2,569.4593	0.0968	0.0000	2,571.4912
Total											0.0000	4,873.8156	4,873.8156	0.1133	0.0000	4,876.1957

3.5 Building Construction - 2027**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.9874	2,304.9874	0.0166	0.0000	2,305.3362
Worker											0.0000	2,546.9865	2,546.9865	0.0944	0.0000	2,548.9688
Total											0.0000	4,851.9739	4,851.9739	0.1110	0.0000	4,854.3051

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.9874	2,304.9874	0.0166	0.0000	2,305.3362
Worker											0.0000	2,546.9865	2,546.9865	0.0944	0.0000	2,548.9688
Total											0.0000	4,851.9739	4,851.9739	0.1110	0.0000	4,854.3051

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.6755	2,296.6755	0.0166	0.0000	2,297.0233
Worker											0.0000	2,517.9507	2,517.9507	0.0919	0.0000	2,519.8809
Total											0.0000	4,814.6263	4,814.6263	0.1085	0.0000	4,816.9042

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.6755	2,296.6755	0.0166	0.0000	2,297.0233
Worker											0.0000	2,517.9507	2,517.9507	0.0919	0.0000	2,519.8809
Total											0.0000	4,814.6263	4,814.6263	0.1085	0.0000	4,816.9042

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,305.9500	2,305.9500	0.0166	0.0000	2,306.2993
Worker											0.0000	2,511.0010	2,511.0010	0.0902	0.0000	2,512.8955
Total											0.0000	4,816.9510	4,816.9510	0.1068	0.0000	4,819.1948

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,305.9500	2,305.9500	0.0166	0.0000	2,306.2993
Worker											0.0000	2,511.0010	2,511.0010	0.0902	0.0000	2,512.8955
Total											0.0000	4,816.9510	4,816.9510	0.1068	0.0000	4,819.1948

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.1919	2,306.1919	0.0166	0.0000	2,306.5414
Worker											0.0000	2,496.9568	2,496.9568	0.0884	0.0000	2,498.8128
Total											0.0000	4,803.1486	4,803.1486	0.1050	0.0000	4,805.3542

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.1919	2,306.1919	0.0166	0.0000	2,306.5414
Worker											0.0000	2,496.9568	2,496.9568	0.0884	0.0000	2,498.8128
Total											0.0000	4,803.1486	4,803.1486	0.1050	0.0000	4,805.3542

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.7250	2,306.7250	0.0167	0.0000	2,307.0748
Worker											0.0000	2,485.1381	2,485.1381	0.0867	0.0000	2,486.9584
Total											0.0000	4,791.8631	4,791.8631	0.1033	0.0000	4,794.0332

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.7250	2,306.7250	0.0167	0.0000	2,307.0748
Worker											0.0000	2,485.1381	2,485.1381	0.0867	0.0000	2,486.9584
Total											0.0000	4,791.8631	4,791.8631	0.1033	0.0000	4,794.0332

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,316.1264	2,316.1264	0.0167	0.0000	2,316.4778
Worker											0.0000	2,484.7343	2,484.7343	0.0855	0.0000	2,486.5298
Total											0.0000	4,800.8607	4,800.8607	0.1022	0.0000	4,803.0075

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,316.1264	2,316.1264	0.0167	0.0000	2,316.4778
Worker											0.0000	2,484.7343	2,484.7343	0.0855	0.0000	2,486.5298
Total											0.0000	4,800.8607	4,800.8607	0.1022	0.0000	4,803.0075

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,298.9079	2,298.9079	0.0166	0.0000	2,299.2568
Worker											0.0000	2,457.6084	2,457.6084	0.0836	0.0000	2,459.3635
Total											0.0000	4,756.5163	4,756.5163	0.1002	0.0000	4,758.6203

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,298.9079	2,298.9079	0.0166	0.0000	2,299.2568
Worker											0.0000	2,457.6084	2,457.6084	0.0836	0.0000	2,459.3635
Total											0.0000	4,756.5163	4,756.5163	0.1002	0.0000	4,758.6203

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,299.3288	2,299.3288	0.0166	0.0000	2,299.6778
Worker											0.0000	2,450.7130	2,450.7130	0.0824	0.0000	2,452.4430
Total											0.0000	4,750.0419	4,750.0419	0.0990	0.0000	4,752.1209

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,299.3288	2,299.3288	0.0166	0.0000	2,299.6778
Worker											0.0000	2,450.7130	2,450.7130	0.0824	0.0000	2,452.4430
Total											0.0000	4,750.0419	4,750.0419	0.0990	0.0000	4,752.1209

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	1,061.3695	1,061.3695	7.6700e-003	0.0000	1,061.5306
Worker											0.0000	1,128.4596	1,128.4596	0.0375	0.0000	1,129.2479
Total											0.0000	2,189.8291	2,189.8291	0.0452	0.0000	2,190.7785

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	1,061.3695	1,061.3695	7.6700e-003	0.0000	1,061.5306
Worker											0.0000	1,128.4596	1,128.4596	0.0375	0.0000	1,129.2479
Total											0.0000	2,189.8291	2,189.8291	0.0452	0.0000	2,190.7785

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060
Total											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060
Total											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894
Total											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894
Total											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755
Total											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755
Total											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926
Total											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926
Total											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012
Total											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012
Total											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752
Total											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752
Total											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983
Total											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983
Total											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938
Total											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938
Total											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762
Total											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762
Total											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791
Total											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791
Total											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626
Total											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626
Total											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917
Total											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917
Total											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060
Total											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060
Total											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727
Total											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727
Total											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886
Total											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886
Total											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704
Total											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704
Total											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	17,417.0100	17,417.0100	0.3996	0.0000	17,425.4017
Unmitigated											0.0000	17,417.0100	17,417.0100	0.3996	0.0000	17,425.4017

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,110,712	2,110,712
Manufacturing	3,376.88	1,317.16	548.08	9,361,921	9,361,921
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	6,684,581	6,684,581
Regional Shopping Center	1,080.37	1,257.25	635.04	1,681,841	1,681,841
Research & Development	12,246.10	2,869.00	1676.10	24,406,406	24,406,406
Research & Development	372.25	87.21	50.95	741,890	741,890
Total	22,595.10	11,756.12	6,326.67	44,987,351	44,987,351

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	13.41	5.81	5.81	19.40	61.60	19.00	58	38	4
Manufacturing	13.41	5.81	5.81	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	13.41	5.81	5.81	0.00	0.00	0.00	0	0	0
Parking Lot	13.41	5.81	5.81	0.00	0.00	0.00	0	0	0
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Regional Shopping Center	13.41	5.81	5.81	16.30	64.70	19.00	54	35	11
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3
Research & Development	13.41	5.81	5.81	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated											0.0000	2,277.2320	2,277.2320	0.1758	0.0364	2,292.1982
Electricity Unmitigated											0.0000	4,862.3750	4,862.3750	0.3753	0.0777	4,894.3310
NaturalGas Mitigated											0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587
NaturalGas Unmitigated											0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	6.12236e+006											0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Manufacturing	1.73352e+007											0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.229e+006											0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155											0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007											0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119											0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Total												0.0000	2,962.0634	2,962.0634	0.0568	0.0543	2,980.0900

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Manufacturing	1.21506e+007											0.0000	648.4012	648.4012	0.0124	0.0119	652.3473
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	219125											0.0000	11.6934	11.6934	2.2000e-004	2.1000e-004	11.7645
Regional Shopping Center	871100											0.0000	46.4852	46.4852	8.9000e-004	8.5000e-004	46.7681
Research & Development	2.0755e+007											0.0000	1,107.5632	1,107.5632	0.0212	0.0203	1,114.3036
Research & Development	630909											0.0000	33.6677	33.6677	6.5000e-004	6.2000e-004	33.8726
Hotel	4.30264e+006											0.0000	229.6052	229.6052	4.4000e-003	4.2100e-003	231.0025
Total												0.0000	2,077.4159	2,077.4159	0.0398	0.0381	2,090.0587

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.63786e+006	279.0998	0.0215	4.4600e-003	280.9341
Manufacturing	8.15932e+006	1,390.3937	0.1073	0.0222	1,399.5315
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2.70016e+006	460.1228	0.0355	7.3500e-003	463.1467
Regional Shopping Center	1.339e+006	228.1731	0.0176	3.6400e-003	229.6727
Regional Shopping Center	336825	57.3969	4.4300e-003	9.2000e-004	57.7742
Research & Development	1.39373e+007	2,374.9937	0.1833	0.0379	2,390.6024
Research & Development	423666	72.1951	5.5700e-003	1.1500e-003	72.6696
Total		4,862.3750	0.3753	0.0777	4,894.3310

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	744114	126.8011	9.7900e-003	2.0300e-003	127.6345
Manufacturing	3.81181e+006	649.5534	0.0501	0.0104	653.8223
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.35008e+006	230.0614	0.0178	3.6700e-003	231.5734
Regional Shopping Center	150452	25.6379	1.9800e-003	4.1000e-004	25.8064
Regional Shopping Center	598100	101.9196	7.8700e-003	1.6300e-003	102.5894
Research & Development	197925	33.7275	2.6000e-003	5.4000e-004	33.9492
Research & Development	6.51112e+006	1,109.5312	0.0857	0.0177	1,116.8231
Total		2,277.2320	0.1758	0.0364	2,292.1982

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Unmitigated											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Total											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139
Total											0.0000	0.2029	0.2029	5.2000e-004	0.0000	0.2139

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	803.0394	22.4561	0.5385	1,441.5567
Unmitigated	1,221.3056	32.0859	0.7705	2,133.9602

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	4.9678	0.1243	2.9900e-003	8.5038
Manufacturing	204.425 / 0	253.3477	6.6757	0.1603	443.2299
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.27092 / 5.68217	14.8786	0.3030	7.3200e-003	23.5122
Research & Development	765.027 / 0	948.1116	24.9829	0.5999	1,658.7143
Total		1,221.3057	32.0859	0.7705	2,133.9602

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.66351 / 0.422779	3.3480	0.0870	2.0900e-003	5.8223
Manufacturing	143.098 / 0	166.3231	4.6722	0.1120	299.1682
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.48964 / 5.68217	10.9319	0.2122	5.1300e-003	16.9789
Research & Development	535.519 / 0	622.4365	17.4848	0.4193	1,119.5873
Total		803.0394	22.4561	0.5385	1,441.5567

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	289.8610	17.1303	0.0000	649.5971
Unmitigated	289.8610	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - GHG - Operational Year (2035) - MITIGATED
Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors							0.00000E+000	4.92778E+002	4.92778E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99855E+002	8.99855E+002	1.83910E-001	0.00000E+000	9.03718E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36415E+002	8.36415E+002	1.73860E-001	0.00000E+000	8.40066E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95368E+001	9.95368E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50811E+001	6.50811E+001	2.08700E-002	0.00000E+000	6.55194E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47213E+002
Scrapers							0.00000E+000	5.34027E+002	5.34027E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63266E+002	3.63266E+002	3.35600E-002	0.00000E+000	3.63971E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors							0.00000E+000	4.92777E+002	4.92777E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99854E+002	8.99854E+002	1.83910E-001	0.00000E+000	9.03717E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36414E+002	8.36414E+002	1.73860E-001	0.00000E+000	8.40065E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95367E+001	9.95367E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50810E+001	6.50810E+001	2.08700E-002	0.00000E+000	6.55193E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47212E+002
Scrapers							0.00000E+000	5.34026E+002	5.34026E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63265E+002	3.63265E+002	3.35600E-002	0.00000E+000	3.63970E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17700E-006	1.17700E-006	0.00000E+000	0.00000E+000	1.19599E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18908E-006	1.18908E-006	0.00000E+000	0.00000E+000	1.19506E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21251E-006	1.21251E-006	0.00000E+000	0.00000E+000	1.20459E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18362E-006	1.18362E-006	0.00000E+000	0.00000E+000	1.19038E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19173E-006	1.19173E-006	0.00000E+000	0.00000E+000	1.19082E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16704E-006	1.16704E-006	0.00000E+000	0.00000E+000	1.24859E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15915E-006	1.15915E-006	0.00000E+000	0.00000E+000	1.15140E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20558E-006	1.20558E-006	0.00000E+000	0.00000E+000	1.19752E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22924E-006	1.22924E-006	0.00000E+000	0.00000E+000	1.22101E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18852E-006	1.18852E-006	0.00000E+000	0.00000E+000	1.18083E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19844E-006	1.19844E-006	0.00000E+000	0.00000E+000	1.19061E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18848E-006	1.18848E-006	0.00000E+000	0.00000E+000	1.18893E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18371E-006	1.18371E-006	0.00000E+000	0.00000E+000	1.18141E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	53.17	53.17	53.16	53.17	53.17
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.87	29.87	29.87	29.85	29.87
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.70	34.25	30.01	30.11	32.45
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.21	0.50		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site	
No	Neighborhood Enhancements	Provide Traffic Calming Measures			
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00		
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00	
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00	
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00	
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00		
No	Transit Improvements	Provide BRT System	0.00	0.00	
No	Transit Improvements	Expand Transit Network	0.00	0.00	
No	Transit Improvements	Increase Transit Frequency	0.00		0.00
	Transit Improvements	Transit Improvements Subtotal	0.00		
		Land Use and Site Enhancement Subtotal	0.00		
No	Commute	Implement Trip Reduction Program			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	3.00		
No	Commute	Workplace Parking Charge		0.00	
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	5.00		
	Commute	Commute Subtotal	0.00		

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	0.00
Yes	Use Low VOC Paint (Residential Exterior)	0.00
Yes	Use Low VOC Paint (Non-residential Interior)	0.00
Yes	Use Low VOC Paint (Non-residential Exterior)	0.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Exceed Title 24	30.00	
No	Install High Efficiency Lighting	0.00	
Yes	On-site Renewable	0.00	50.00

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
Yes	Apply Water Conservation on Strategy	30.00	0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

Mace Ranch Innovation Center - GHG - 1990 Levels
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0
Parking Lot	8,641.00	Space	70.44	3,068,366.40	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	1990
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - *

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (plus 2 commercial parcels of Mace Triangle) = 224.42 acres + 11 acres off-site sewer improvements + 80 acres off-site detention basin; off-site detention basin requires soil export

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Energy Use - using historical data

Mobile Land Use Mitigation -

Area Mitigation - *

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - project would use 12 cubic yard haul trucks; soil would be hauled to location 2 miles away

Area Coating -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintNonresidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintNonresidentialInteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialExteriorValue	250	100
tblAreaMitigation	UseLowVOCPaintResidentialInteriorValue	250	100
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020

tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00
tblLandUse	LandUseSquareFeet	3,456,400.00	3,068,366.40
tblLandUse	LotAcreage	77.77	70.44
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	1990
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	16,250.00	10,833.00
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43

tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CC_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CNW_TL	6.60	6.43
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93
tblVehicleTrips	CW_TL	14.70	14.93

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017											0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018											0.0000	767.2304	767.2304	0.2241	0.0000	771.9356
2019											0.0000	573.2409	573.2409	0.1702	0.0000	576.8148

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020											0.0000	2,201.5938	2,201.5938	0.1357	0.0000	2,204.4430
2021											0.0000	5,930.0159	5,930.0159	0.2304	0.0000	5,934.8546
2022											0.0000	5,854.8494	5,854.8494	0.2233	0.0000	5,859.5390
2023											0.0000	5,805.9235	5,805.9235	0.2166	0.0000	5,810.4715
2024											0.0000	5,810.3383	5,810.3383	0.2133	0.0000	5,814.8185
2025											0.0000	5,752.8402	5,752.8402	0.2084	0.0000	5,757.2163
2026											0.0000	5,722.4293	5,722.4293	0.2053	0.0000	5,726.7395
2027											0.0000	5,696.0931	5,696.0931	0.2024	0.0000	5,700.3444
2028											0.0000	5,651.6558	5,651.6558	0.1991	0.0000	5,655.8376
2029											0.0000	5,653.8731	5,653.8731	0.1975	0.0000	5,658.0194
2030											0.0000	5,677.3881	5,677.3881	0.1378	0.0000	5,680.2810
2031											0.0000	5,663.7388	5,663.7388	0.1357	0.0000	5,666.5891
2032											0.0000	5,674.0918	5,674.0918	0.1345	0.0000	5,676.9152
2033											0.0000	5,621.4499	5,621.4499	0.1319	0.0000	5,624.2199
2034											0.0000	5,613.5963	5,613.5963	0.1305	0.0000	5,616.3364
2035											0.0000	2,607.9492	2,607.9492	0.0598	0.0000	2,609.2052
Total											0.0000	86,526.5850	86,526.5850	3.2293	0.0000	86,594.3994

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017											0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018											0.0000	767.2295	767.2295	0.2241	0.0000	771.9348
2019											0.0000	573.2403	573.2403	0.1702	0.0000	576.8142
2020											0.0000	2,201.5935	2,201.5935	0.1357	0.0000	2,204.4426
2021											0.0000	5,930.0155	5,930.0155	0.2304	0.0000	5,934.8542
2022											0.0000	5,854.8490	5,854.8490	0.2233	0.0000	5,859.5386
2023											0.0000	5,805.9231	5,805.9231	0.2166	0.0000	5,810.4711
2024											0.0000	5,810.3379	5,810.3379	0.2133	0.0000	5,814.8181
2025											0.0000	5,752.8398	5,752.8398	0.2084	0.0000	5,757.2159
2026											0.0000	5,722.4289	5,722.4289	0.2053	0.0000	5,726.7391
2027											0.0000	5,696.0927	5,696.0927	0.2024	0.0000	5,700.3440
2028											0.0000	5,651.6554	5,651.6554	0.1991	0.0000	5,655.8372
2029											0.0000	5,653.8727	5,653.8727	0.1975	0.0000	5,658.0190
2030											0.0000	5,677.3876	5,677.3876	0.1378	0.0000	5,680.2806
2031											0.0000	5,663.7383	5,663.7383	0.1357	0.0000	5,666.5887
2032											0.0000	5,674.0914	5,674.0914	0.1345	0.0000	5,676.9147

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.2029	0.2029	3.8300e-003	0.0000	0.2833
Energy											0.0000	11,936.0041	11,936.0041	0.4543	0.1411	11,989.2820
Mobile											0.0000	27,819.3125	27,819.3125	9.0965	0.0000	28,010.3396
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	1,552.8342	1,864.5448	32.0859	0.7705	2,777.1994
Total											601.5716	41,308.3537	41,909.9253	58.7709	0.9116	43,426.7013

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area											0.0000	0.2029	0.2029	3.8300e-003	0.0000	0.2833
Energy											0.0000	11,936.0041	11,936.0041	0.4543	0.1411	11,989.2820
Mobile											0.0000	27,819.3125	27,819.3125	9.0965	0.0000	28,010.3396
Waste											289.8610	0.0000	289.8610	17.1303	0.0000	649.5971
Water											311.7107	1,552.8342	1,864.5448	32.0801	0.7693	2,776.7021
Total											601.5716	41,308.3537	41,909.9253	58.7650	0.9104	43,426.2040

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.13	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 4,351,564; Non-Residential Outdoor: 1,450,521 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,300.00	963.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	460.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total											0.0000	236.0500	236.0500	0.0723	0.0000	237.5688

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total											0.0000	236.0497	236.0497	0.0723	0.0000	237.5686

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total											0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9747

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.2 Site Preparation - 2018**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total											0.0000	35.7410	35.7410	0.0111	0.0000	35.9746

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total											0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total											0.0000	679.1574	679.1574	0.2114	0.0000	683.5975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	50.5197	50.5197	1.4200e-003	0.0000	50.5495

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total											0.0000	679.1566	679.1566	0.2114	0.0000	683.5967

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total											0.0000	50.5197	50.5197	1.4200e-003	0.0000	50.5495

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312
Total											0.0000	426.8949	426.8949	0.1351	0.0000	429.7312

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	31.3740	31.3740	8.6000e-004	0.0000	31.3919

3.3 Grading - 2019**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307
Total											0.0000	426.8944	426.8944	0.1351	0.0000	429.7307

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total											0.0000	31.3740	31.3740	8.6000e-004	0.0000	31.3919

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2112	107.2112	0.0339	0.0000	107.9235

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	107.2110	107.2110	0.0339	0.0000	107.9234

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total											0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5578	169.5578	0.0548	0.0000	170.7094

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092
Paving											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total											0.0000	169.5576	169.5576	0.0548	0.0000	170.7092

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total											0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total											0.0000	102.6392	102.6392	0.0250	0.0000	103.1643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	787.9434	787.9434	5.9100e-003	0.0000	788.0674
Worker											0.0000	950.5655	950.5655	0.0413	0.0000	951.4326
Total											0.0000	1,738.5090	1,738.5090	0.0472	0.0000	1,739.5000

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total											0.0000	102.6391	102.6391	0.0250	0.0000	103.1642

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	787.9434	787.9434	5.9100e-003	0.0000	788.0674
Worker											0.0000	950.5655	950.5655	0.0413	0.0000	951.4326
Total											0.0000	1,738.5090	1,738.5090	0.0472	0.0000	1,739.5000

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total											0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,307.0330	2,307.0330	0.0172	0.0000	2,307.3933
Worker											0.0000	2,740.5242	2,740.5242	0.1154	0.0000	2,742.9470
Total											0.0000	5,047.5572	5,047.5572	0.1325	0.0000	5,050.3403

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total											0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,307.0330	2,307.0330	0.0172	0.0000	2,307.3933
Worker											0.0000	2,740.5242	2,740.5242	0.1154	0.0000	2,742.9470
Total											0.0000	5,047.5572	5,047.5572	0.1325	0.0000	5,050.3403

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total											0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.5829	2,296.5829	0.0173	0.0000	2,296.9467
Worker											0.0000	2,687.5663	2,687.5663	0.1101	0.0000	2,689.8774
Total											0.0000	4,984.1492	4,984.1492	0.1274	0.0000	4,986.8241

3.5 Building Construction - 2022**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total											0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.5829	2,296.5829	0.0173	0.0000	2,296.9467
Worker											0.0000	2,687.5663	2,687.5663	0.1101	0.0000	2,689.8774
Total											0.0000	4,984.1492	4,984.1492	0.1274	0.0000	4,986.8241

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total											0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,293.5424	2,293.5424	0.0164	0.0000	2,293.8869
Worker											0.0000	2,649.2424	2,649.2424	0.1058	0.0000	2,651.4631
Total											0.0000	4,942.7848	4,942.7848	0.1222	0.0000	4,945.3500

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total											0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,293.5424	2,293.5424	0.0164	0.0000	2,293.8869
Worker											0.0000	2,649.2424	2,649.2424	0.1058	0.0000	2,651.4631
Total											0.0000	4,942.7848	4,942.7848	0.1222	0.0000	4,945.3500

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total											0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,312.0116	2,312.0116	0.0166	0.0000	2,312.3599
Worker											0.0000	2,635.3454	2,635.3454	0.1029	0.0000	2,637.5059
Total											0.0000	4,947.3570	4,947.3570	0.1195	0.0000	4,949.8659

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total											0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,312.0116	2,312.0116	0.0166	0.0000	2,312.3599
Worker											0.0000	2,635.3454	2,635.3454	0.1029	0.0000	2,637.5059
Total											0.0000	4,947.3570	4,947.3570	0.1195	0.0000	4,949.8659

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,303.7716	2,303.7716	0.0166	0.0000	2,304.1195
Worker											0.0000	2,595.2890	2,595.2890	0.0994	0.0000	2,597.3761
Total											0.0000	4,899.0606	4,899.0606	0.1160	0.0000	4,901.4955

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,303.7716	2,303.7716	0.0166	0.0000	2,304.1195
Worker											0.0000	2,595.2890	2,595.2890	0.0994	0.0000	2,597.3761
Total											0.0000	4,899.0606	4,899.0606	0.1160	0.0000	4,901.4955

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.3563	2,304.3563	0.0166	0.0000	2,304.7044
Worker											0.0000	2,569.4593	2,569.4593	0.0968	0.0000	2,571.4912
Total											0.0000	4,873.8156	4,873.8156	0.1133	0.0000	4,876.1957

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.3563	2,304.3563	0.0166	0.0000	2,304.7044
Worker											0.0000	2,569.4593	2,569.4593	0.0968	0.0000	2,571.4912
Total											0.0000	4,873.8156	4,873.8156	0.1133	0.0000	4,876.1957

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.9874	2,304.9874	0.0166	0.0000	2,305.3362
Worker											0.0000	2,546.9865	2,546.9865	0.0944	0.0000	2,548.9688
Total											0.0000	4,851.9739	4,851.9739	0.1110	0.0000	4,854.3051

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,304.9874	2,304.9874	0.0166	0.0000	2,305.3362
Worker											0.0000	2,546.9865	2,546.9865	0.0944	0.0000	2,548.9688
Total											0.0000	4,851.9739	4,851.9739	0.1110	0.0000	4,854.3051

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total											0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.6755	2,296.6755	0.0166	0.0000	2,297.0233
Worker											0.0000	2,517.9507	2,517.9507	0.0919	0.0000	2,519.8809
Total											0.0000	4,814.6263	4,814.6263	0.1085	0.0000	4,816.9042

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total											0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,296.6755	2,296.6755	0.0166	0.0000	2,297.0233
Worker											0.0000	2,517.9507	2,517.9507	0.0919	0.0000	2,519.8809
Total											0.0000	4,814.6263	4,814.6263	0.1085	0.0000	4,816.9042

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total											0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,305.9500	2,305.9500	0.0166	0.0000	2,306.2993
Worker											0.0000	2,511.0010	2,511.0010	0.0902	0.0000	2,512.8955
Total											0.0000	4,816.9510	4,816.9510	0.1068	0.0000	4,819.1948

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total											0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,305.9500	2,305.9500	0.0166	0.0000	2,306.2993
Worker											0.0000	2,511.0010	2,511.0010	0.0902	0.0000	2,512.8955
Total											0.0000	4,816.9510	4,816.9510	0.1068	0.0000	4,819.1948

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.1919	2,306.1919	0.0166	0.0000	2,306.5414
Worker											0.0000	2,496.9568	2,496.9568	0.0884	0.0000	2,498.8128
Total											0.0000	4,803.1486	4,803.1486	0.1050	0.0000	4,805.3542

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.1919	2,306.1919	0.0166	0.0000	2,306.5414
Worker											0.0000	2,496.9568	2,496.9568	0.0884	0.0000	2,498.8128
Total											0.0000	4,803.1486	4,803.1486	0.1050	0.0000	4,805.3542

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total											0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.7250	2,306.7250	0.0167	0.0000	2,307.0748
Worker											0.0000	2,485.1381	2,485.1381	0.0867	0.0000	2,486.9584
Total											0.0000	4,791.8631	4,791.8631	0.1033	0.0000	4,794.0332

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total											0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,306.7250	2,306.7250	0.0167	0.0000	2,307.0748
Worker											0.0000	2,485.1381	2,485.1381	0.0867	0.0000	2,486.9584
Total											0.0000	4,791.8631	4,791.8631	0.1033	0.0000	4,794.0332

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total											0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,316.1264	2,316.1264	0.0167	0.0000	2,316.4778
Worker											0.0000	2,484.7343	2,484.7343	0.0855	0.0000	2,486.5298
Total											0.0000	4,800.8607	4,800.8607	0.1022	0.0000	4,803.0075

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total											0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,316.1264	2,316.1264	0.0167	0.0000	2,316.4778
Worker											0.0000	2,484.7343	2,484.7343	0.0855	0.0000	2,486.5298
Total											0.0000	4,800.8607	4,800.8607	0.1022	0.0000	4,803.0075

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,298.9079	2,298.9079	0.0166	0.0000	2,299.2568
Worker											0.0000	2,457.6084	2,457.6084	0.0836	0.0000	2,459.3635
Total											0.0000	4,756.5163	4,756.5163	0.1002	0.0000	4,758.6203

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,298.9079	2,298.9079	0.0166	0.0000	2,299.2568
Worker											0.0000	2,457.6084	2,457.6084	0.0836	0.0000	2,459.3635
Total											0.0000	4,756.5163	4,756.5163	0.1002	0.0000	4,758.6203

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total											0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,299.3288	2,299.3288	0.0166	0.0000	2,299.6778
Worker											0.0000	2,450.7130	2,450.7130	0.0824	0.0000	2,452.4430
Total											0.0000	4,750.0419	4,750.0419	0.0990	0.0000	4,752.1209

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total											0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	2,299.3288	2,299.3288	0.0166	0.0000	2,299.6778
Worker											0.0000	2,450.7130	2,450.7130	0.0824	0.0000	2,452.4430
Total											0.0000	4,750.0419	4,750.0419	0.0990	0.0000	4,752.1209

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total											0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	1,061.3695	1,061.3695	7.6700e-003	0.0000	1,061.5306
Worker											0.0000	1,128.4596	1,128.4596	0.0375	0.0000	1,129.2479
Total											0.0000	2,189.8291	2,189.8291	0.0452	0.0000	2,190.7785

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total											0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	1,061.3695	1,061.3695	7.6700e-003	0.0000	1,061.5306
Worker											0.0000	1,128.4596	1,128.4596	0.0375	0.0000	1,129.2479
Total											0.0000	2,189.8291	2,189.8291	0.0452	0.0000	2,190.7785

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total											0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060
Total											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total											0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060
Total											0.0000	168.7521	168.7521	7.3300e-003	0.0000	168.9060

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total											0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894
Total											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total											0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894
Total											0.0000	548.1048	548.1048	0.0231	0.0000	548.5894

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755
Total											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total											0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755
Total											0.0000	537.5133	537.5133	0.0220	0.0000	537.9755

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926
Total											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total											0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926
Total											0.0000	529.8485	529.8485	0.0212	0.0000	530.2926

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012
Total											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total											0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012
Total											0.0000	527.0691	527.0691	0.0206	0.0000	527.5012

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752
Total											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752
Total											0.0000	519.0578	519.0578	0.0199	0.0000	519.4752

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983
Total											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983
Total											0.0000	513.8919	513.8919	0.0194	0.0000	514.2983

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938
Total											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938
Total											0.0000	509.3973	509.3973	0.0189	0.0000	509.7938

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762
Total											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total											0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762
Total											0.0000	503.5902	503.5902	0.0184	0.0000	503.9762

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791
Total											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total											0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791
Total											0.0000	502.2002	502.2002	0.0180	0.0000	502.5791

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626
Total											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626
Total											0.0000	499.3914	499.3914	0.0177	0.0000	499.7626

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total											0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917
Total											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total											0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917
Total											0.0000	497.0276	497.0276	0.0173	0.0000	497.3917

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060
Total											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total											0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060
Total											0.0000	496.9469	496.9469	0.0171	0.0000	497.3060

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727
Total											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727
Total											0.0000	491.5217	491.5217	0.0167	0.0000	491.8727

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886
Total											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total											0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886
Total											0.0000	490.1426	490.1426	0.0165	0.0000	490.4886

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704
Total											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total											0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704
Total											0.0000	244.4996	244.4996	8.1300e-003	0.0000	244.6704

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	27,819.31 25	27,819.31 25	9.0965	0.0000	28,010.33 96
Unmitigated											0.0000	27,819.31 25	27,819.31 25	9.0965	0.0000	28,010.33 96

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	1,225.50	1,228.50	892.50	2,340,767	2,340,767
Manufacturing	3,376.88	1,317.16	548.08	10,408,376	10,408,376
Regional Shopping Center	4,294.00	4,997.00	2524.00	7,409,861	7,409,861
Regional Shopping Center	1,080.16	1,257.00	634.91	1,863,950	1,863,950
Research & Development	12,246.10	2,869.00	1676.10	27,095,907	27,095,907
Research & Development	372.26	87.21	50.95	823,662	823,662
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	22,594.89	11,755.87	6,326.54	49,942,522	49,942,522

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Hotel	14.93	6.43	6.43	19.40	61.60	19.00	58	38	4
Manufacturing	14.93	6.43	6.43	59.00	28.00	13.00	92	5	3
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Regional Shopping Center	14.93	6.43	6.43	16.30	64.70	19.00	54	35	11
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Research & Development	14.93	6.43	6.43	33.00	48.00	19.00	82	15	3
Other Asphalt Surfaces	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0
Parking Lot	14.93	6.43	6.43	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.485454	0.159395	0.174393	0.034362	0.020185	0.014124	0.047188	0.051841	0.000576	0.000729	0.007066	0.001454	0.003233

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated											0.0000	8,658.9227	8,658.9227	0.3915	0.0810	8,692.2569
Electricity Unmitigated											0.0000	8,658.9227	8,658.9227	0.3915	0.0810	8,692.2569
NaturalGas Mitigated											0.0000	3,277.0814	3,277.0814	0.0628	0.0601	3,297.0252
NaturalGas Unmitigated											0.0000	3,277.0814	3,277.0814	0.0628	0.0601	3,297.0252

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	6.21166e+006											0.0000	331.4776	331.4776	6.3500e-003	6.0800e-003	333.4949
Manufacturing	1.93419e+007											0.0000	1,032.1585	1,032.1585	0.0198	0.0189	1,038.4401
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.449e+006											0.0000	77.3242	77.3242	1.4800e-003	1.4200e-003	77.7947
Regional Shopping Center	364496											0.0000	19.4509	19.4509	3.7000e-004	3.6000e-004	19.5693
Research & Development	1.00431e+006											0.0000	53.5940	53.5940	1.0300e-003	9.8000e-004	53.9202
Research & Development	3.30388e+007											0.0000	1,763.0762	1,763.0762	0.0338	0.0323	1,773.8060
Total												0.0000	3,277.0814	3,277.0814	0.0628	0.0601	3,297.0252

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Manufacturing	1.93419e+007											0.0000	1,032.1585	1,032.1585	0.0198	0.0189	1,038.4401
Other Asphalt Surfaces	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.449e+006											0.0000	77.3242	77.3242	1.4800e-003	1.4200e-003	77.7947
Regional Shopping Center	364496											0.0000	19.4509	19.4509	3.7000e-004	3.6000e-004	19.5693
Research & Development	1.00431e+006											0.0000	53.5940	53.5940	1.0300e-003	9.8000e-004	53.9202
Research & Development	3.30388e+007											0.0000	1,763.0762	1,763.0762	0.0338	0.0323	1,773.8060
Hotel	6.21166e+006											0.0000	331.4776	331.4776	6.3500e-003	6.0800e-003	333.4949
Total												0.0000	3,277.0814	3,277.0814	0.0628	0.0601	3,297.0252

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.80121e+006	523.9915	0.0237	4.9000e-003	526.0087
Manufacturing	8.51292e+006	2,476.5060	0.1120	0.0232	2,486.0398
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2.70016e+006	785.5082	0.0355	7.3500e-003	788.5322
Regional Shopping Center	1.412e+006	410.7670	0.0186	3.8400e-003	412.3483
Regional Shopping Center	355189	103.3284	4.6700e-003	9.7000e-004	103.7262
Research & Development	1.45413e+007	4,230.2309	0.1913	0.0396	4,246.5160
Research & Development	442027	128.5906	5.8100e-003	1.2000e-003	129.0857
Total		8,658.9227	0.3915	0.0810	8,692.2569

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	1.80121e+006	523.9915	0.0237	4.9000e-003	526.0087
Manufacturing	8.51292e+006	2,476.5060	0.1120	0.0232	2,486.0398
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	2.70016e+006	785.5082	0.0355	7.3500e-003	788.5322
Regional Shopping Center	1.412e+006	410.7670	0.0186	3.8400e-003	412.3483
Regional Shopping Center	355189	103.3284	4.6700e-003	9.7000e-004	103.7262
Research & Development	1.45413e+007	4,230.2309	0.1913	0.0396	4,246.5160
Research & Development	442027	128.5906	5.8100e-003	1.2000e-003	129.0857
Total		8,658.9227	0.3915	0.0810	8,692.2569

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	0.2029	0.2029	3.8300e-003	0.0000	0.2833
Unmitigated											0.0000	0.2029	0.2029	3.8300e-003	0.0000	0.2833

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.2029	0.2029	3.8300e-003	0.0000	0.2833
Total											0.0000	0.2029	0.2029	3.8300e-003	0.0000	0.2833

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.2029	0.2029	3.8300e-003	0.0000	0.2833
Total											0.0000	0.2029	0.2029	3.8300e-003	0.0000	0.2833

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	1,864.5448	32.0801	0.7693	2,776.7021
Unmitigated	1,864.5448	32.0859	0.7705	2,777.1994

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	7.6272	0.1243	2.9900e-003	11.1632
Manufacturing	204.425 / 0	386.6445	6.6757	0.1603	576.5267
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.27092 / 5.68217	23.3203	0.3030	7.3200e-003	31.9540
Research & Development	765.027 / 0	1,446.9528	24.9829	0.5999	2,157.5555
Total		1,864.5448	32.0859	0.7705	2,777.1994

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	3.80502 / 0.422779	7.6272	0.1243	2.9800e- 003	11.1612
Manufacturing	204.425 / 0	386.6445	6.6745	0.1600	576.4233
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.27092 / 5.68217	23.3203	0.3030	7.3100e- 003	31.9493
Research & Development	765.027 / 0	1,446.952 8	24.9783	0.5989	2,157.168 3
Total		1,864.544 8	32.0801	0.7693	2,776.702 1

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	289.8610	17.1303	0.0000	649.5971
Unmitigated	289.8610	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		289.8609	17.1303	0.0000	649.5971

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - GHG - 1990 Levels
Yolo County, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	2	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	4	No Change	0.00
Scrapers	Diesel	No Change	0	2	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	9	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors							0.00000E+000	4.92778E+002	4.92778E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99855E+002	8.99855E+002	1.83910E-001	0.00000E+000	9.03718E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36415E+002	8.36415E+002	1.73860E-001	0.00000E+000	8.40066E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95368E+001	9.95368E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50811E+001	6.50811E+001	2.08700E-002	0.00000E+000	6.55194E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47213E+002
Scrapers							0.00000E+000	5.34027E+002	5.34027E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63266E+002	3.63266E+002	3.35600E-002	0.00000E+000	3.63971E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors							0.00000E+000	4.92777E+002	4.92777E+002	2.55300E-002	0.00000E+000	4.93314E+002
Cranes							0.00000E+000	8.99854E+002	8.99854E+002	1.83910E-001	0.00000E+000	9.03717E+002
Excavators							0.00000E+000	1.89689E+002	1.89689E+002	5.94200E-002	0.00000E+000	1.90937E+002
Forklifts							0.00000E+000	8.36414E+002	8.36414E+002	1.73860E-001	0.00000E+000	8.40065E+002
Generator Sets							0.00000E+000	1.09085E+003	1.09085E+003	3.97300E-002	0.00000E+000	1.09168E+003
Graders							0.00000E+000	1.11393E+002	1.11393E+002	3.49000E-002	0.00000E+000	1.12126E+002
Pavers							0.00000E+000	1.12151E+002	1.12151E+002	3.59700E-002	0.00000E+000	1.12906E+002
Paving Equipment							0.00000E+000	9.95367E+001	9.95367E+001	3.19200E-002	0.00000E+000	1.00207E+002
Rollers							0.00000E+000	6.50810E+001	6.50810E+001	2.08700E-002	0.00000E+000	6.55193E+001
Rubber Tired Dozers							0.00000E+000	3.44967E+002	3.44967E+002	1.06910E-001	0.00000E+000	3.47212E+002
Scrapers							0.00000E+000	5.34026E+002	5.34026E+002	1.67300E-001	0.00000E+000	5.37540E+002
Tractors/Loaders/Backhoes							0.00000E+000	1.68282E+003	1.68282E+003	3.70120E-001	0.00000E+000	1.69059E+003
Welders							0.00000E+000	3.63265E+002	3.63265E+002	3.35600E-002	0.00000E+000	3.63970E+002

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17700E-006	1.17700E-006	0.00000E+000	0.00000E+000	1.19599E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18908E-006	1.18908E-006	0.00000E+000	0.00000E+000	1.19506E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21251E-006	1.21251E-006	0.00000E+000	0.00000E+000	1.20459E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18362E-006	1.18362E-006	0.00000E+000	0.00000E+000	1.19038E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19173E-006	1.19173E-006	0.00000E+000	0.00000E+000	1.19082E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.16704E-006	1.16704E-006	0.00000E+000	0.00000E+000	1.24859E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.15915E-006	1.15915E-006	0.00000E+000	0.00000E+000	1.15140E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20558E-006	1.20558E-006	0.00000E+000	0.00000E+000	1.19752E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.22924E-006	1.22924E-006	0.00000E+000	0.00000E+000	1.22101E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18852E-006	1.18852E-006	0.00000E+000	0.00000E+000	1.18083E-006
Scrapers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19844E-006	1.19844E-006	0.00000E+000	0.00000E+000	1.19061E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18848E-006	1.18848E-006	0.00000E+000	0.00000E+000	1.18893E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18371E-006	1.18371E-006	0.00000E+000	0.00000E+000	1.18141E-006

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)			
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16	0.02
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Low Density Suburban

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.21	0.50		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.00			

No	Neighborhood Enhancements	Improve Pedestrian Network	1.00	Project Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.00			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	3.00			
No	Commute	Workplace Parking Charge		0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00		2.00	
No	Commute	Provide Ride Sharing Program	5.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.00		

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
No	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
Yes	Use Low VOC Paint (Residential Interior)	100.00
Yes	Use Low VOC Paint (Residential Exterior)	100.00
Yes	Use Low VOC Paint (Non-residential Interior)	100.00
Yes	Use Low VOC Paint (Non-residential Exterior)	100.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00

DishWasher	15.00
Fan	50.00
Refrigerator	15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		0.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

Solid Waste Mitigation

Mitigation Measures	Input Value
Institute Recycling and Composting Services Percent Reduction in Waste Disposed	

MRIC - AQ - 1-Year Construction
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	150.00	1000sqft	3.44	150,000.00	0
Other Non-Asphalt Surfaces	15.52	Acre	15.52	676,051.20	0
Parking Lot	600.00	Space	5.77	240,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - soil would be exported using 12-cubic-yard trucks to a site 2 miles away

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	370.00	211.00
tblConstructionPhase	NumDays	35.00	20.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	10.00	6.00
tblGrading	AcresOfGrading	50.00	24.73
tblGrading	MaterialExported	0.00	7,345.00
tblLandUse	LotAcreage	5.40	5.77
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00

tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	726.00	612.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Area	4.7435	7.0000e-005	7.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005							
Energy	0.0159	0.1442	0.1211	8.7000e-004		0.0110	0.0110		0.0110	0.0110							
Mobile	0.6225	1.8729	6.7350	0.0155	1.0174	0.0271	1.0445	0.2736	0.0250	0.2986							
Waste						0.0000	0.0000		0.0000	0.0000							
Water						0.0000	0.0000		0.0000	0.0000							
Total	5.3818	2.0172	6.8633	0.0163	1.0174	0.0381	1.0555	0.2736	0.0359	0.3095							

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.4322	7.0000e-005	7.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005						
Energy	0.0111	0.1011	0.0849	6.1000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003						
Mobile	0.6225	1.8729	6.7350	0.0155	1.0174	0.0271	1.0445	0.2736	0.0250	0.2986						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	5.0658	1.9741	6.8271	0.0161	1.0174	0.0348	1.0522	0.2736	0.0327	0.3063						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.87	2.14	0.53	1.59	0.00	8.61	0.31	0.00	9.13	1.06	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	7/10/2017	5	6	
2	Grading	Grading	7/11/2017	8/7/2017	5	20	
3	Building Construction	Building Construction	8/8/2017	5/29/2018	5	211	
4	Paving	Paving	5/30/2018	6/13/2018	5	11	
5	Architectural Coating	Architectural Coating	6/14/2018	6/28/2018	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 24.73

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,249,877; Non-Residential Outdoor: 416,626 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	612.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	433.00	175.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	87.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298						
Off-Road	0.0145	0.1553	0.1182	1.2000e-004		8.2600e-003	8.2600e-003		7.6000e-003	7.6000e-003						
Total	0.0145	0.1553	0.1182	1.2000e-004	0.0542	8.2600e-003	0.0625	0.0298	7.6000e-003	0.0374						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.9000e-004	3.2000e-004	3.0500e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004						
Total	1.9000e-004	3.2000e-004	3.0500e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298						
Off-Road	0.0145	0.1553	0.1182	1.2000e-004		8.2600e-003	8.2600e-003		7.6000e-003	7.6000e-003						
Total	0.0145	0.1553	0.1182	1.2000e-004	0.0542	8.2600e-003	0.0625	0.0298	7.6000e-003	0.0374						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.9000e-004	3.2000e-004	3.0500e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004						
Total	1.9000e-004	3.2000e-004	3.0500e-003	1.0000e-005	6.7000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004						

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0733	0.0000	0.0733	0.0345	0.0000	0.0345						
Off-Road	0.0610	0.6959	0.4681	6.2000e-004		0.0332	0.0332		0.0305	0.0305						
Total	0.0610	0.6959	0.4681	6.2000e-004	0.0733	0.0332	0.1065	0.0345	0.0305	0.0650						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0700e-003	0.0126	0.0661	3.0000e-005	5.2000e-004	1.2000e-004	6.5000e-004	1.4000e-004	1.1000e-004	2.6000e-004						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	7.0000e-004	1.1800e-003	0.0113	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.6000e-004	2.0000e-005	6.7000e-004						
Total	4.7700e-003	0.0138	0.0774	6.0000e-005	2.9900e-003	1.4000e-004	3.1400e-003	8.0000e-004	1.3000e-004	9.3000e-004						

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0733	0.0000	0.0733	0.0345	0.0000	0.0345						
Off-Road	0.0610	0.6959	0.4681	6.2000e-004		0.0332	0.0332		0.0305	0.0305						
Total	0.0610	0.6959	0.4681	6.2000e-004	0.0733	0.0332	0.1065	0.0345	0.0305	0.0650						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0700e-003	0.0126	0.0661	3.0000e-005	5.2000e-004	1.2000e-004	6.5000e-004	1.4000e-004	1.1000e-004	2.6000e-004						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	7.0000e-004	1.1800e-003	0.0113	3.0000e-005	2.4700e-003	2.0000e-005	2.4900e-003	6.6000e-004	2.0000e-005	6.7000e-004						
Total	4.7700e-003	0.0138	0.0774	6.0000e-005	2.9900e-003	1.4000e-004	3.1400e-003	8.0000e-004	1.3000e-004	9.3000e-004						

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1613	1.3731	0.9427	1.3900e-003		0.0926	0.0926		0.0870	0.0870						
Total	0.1613	1.3731	0.9427	1.3900e-003		0.0926	0.0926		0.0870	0.0870						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.1090	0.7147	1.3580	1.9900e-003	0.0536	0.0111	0.0648	0.0154	0.0102	0.0257						
Worker	0.0785	0.1329	1.2705	3.2600e-003	0.2784	1.8800e-003	0.2802	0.0740	1.7300e-003	0.0757						
Total	0.1875	0.8475	2.6285	5.2500e-003	0.3320	0.0130	0.3450	0.0894	0.0120	0.1014						

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1613	1.3731	0.9427	1.3900e-003		0.0926	0.0926		0.0870	0.0870						
Total	0.1613	1.3731	0.9427	1.3900e-003		0.0926	0.0926		0.0870	0.0870						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.1090	0.7147	1.3580	1.9900e-003	0.0536	0.0111	0.0648	0.0154	0.0102	0.0257						
Worker	0.0785	0.1329	1.2705	3.2600e-003	0.2784	1.8800e-003	0.2802	0.0740	1.7300e-003	0.0757						
Total	0.1875	0.8475	2.6285	5.2500e-003	0.3320	0.0130	0.3450	0.0894	0.0120	0.1014						

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1428	1.2445	0.9380	1.4300e-003		0.0799	0.0799		0.0752	0.0752						
Total	0.1428	1.2445	0.9380	1.4300e-003		0.0799	0.0799		0.0752	0.0752						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0966	0.6611	1.2841	2.0400e-003	0.0552	0.0105	0.0657	0.0159	9.6800e-003	0.0255						
Worker	0.0714	0.1229	1.1657	3.3600e-003	0.2864	1.8800e-003	0.2883	0.0761	1.7300e-003	0.0779						
Total	0.1680	0.7840	2.4498	5.4000e-003	0.3416	0.0124	0.3540	0.0920	0.0114	0.1034						

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1428	1.2445	0.9380	1.4300e-003		0.0799	0.0799		0.0752	0.0752						
Total	0.1428	1.2445	0.9380	1.4300e-003		0.0799	0.0799		0.0752	0.0752						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0966	0.6611	1.2841	2.0400e-003	0.0552	0.0105	0.0657	0.0159	9.6800e-003	0.0255						
Worker	0.0714	0.1229	1.1657	3.3600e-003	0.2864	1.8800e-003	0.2883	0.0761	1.7300e-003	0.0779						
Total	0.1680	0.7840	2.4498	5.4000e-003	0.3416	0.0124	0.3540	0.0920	0.0114	0.1034						

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8600e-003	0.0944	0.0797	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003						
Paving	7.5600e-003					0.0000	0.0000		0.0000	0.0000						
Total	0.0164	0.0944	0.0797	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.5000e-004	4.4000e-004	4.1500e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004						
Total	2.5000e-004	4.4000e-004	4.1500e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004						

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8600e-003	0.0944	0.0797	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003						
Paving	7.5600e-003					0.0000	0.0000		0.0000	0.0000						
Total	0.0164	0.0944	0.0797	1.2000e-004		5.1600e-003	5.1600e-003		4.7500e-003	4.7500e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	2.5000e-004	4.4000e-004	4.1500e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004						
Total	2.5000e-004	4.4000e-004	4.1500e-003	1.0000e-005	1.0200e-003	1.0000e-005	1.0300e-003	2.7000e-004	1.0000e-005	2.8000e-004						

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.7932					0.0000	0.0000		0.0000	0.0000						
Off-Road	1.6400e-003	0.0110	0.0102	2.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004						
Total	5.7948	0.0110	0.0102	2.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.4700e-003	2.5400e-003	0.0241	7.0000e-005	5.9200e-003	4.0000e-005	5.9500e-003	1.5700e-003	4.0000e-005	1.6100e-003						
Total	1.4700e-003	2.5400e-003	0.0241	7.0000e-005	5.9200e-003	4.0000e-005	5.9500e-003	1.5700e-003	4.0000e-005	1.6100e-003						

3.6 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.7932					0.0000	0.0000		0.0000	0.0000						
Off-Road	1.6400e-003	0.0110	0.0102	2.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004						
Total	5.7948	0.0110	0.0102	2.0000e-005		8.3000e-004	8.3000e-004		8.3000e-004	8.3000e-004						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.4700e-003	2.5400e-003	0.0241	7.0000e-005	5.9200e-003	4.0000e-005	5.9500e-003	1.5700e-003	4.0000e-005	1.6100e-003						
Total	1.4700e-003	2.5400e-003	0.0241	7.0000e-005	5.9200e-003	4.0000e-005	5.9500e-003	1.5700e-003	4.0000e-005	1.6100e-003						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6225	1.8729	6.7350	0.0155	1.0174	0.0271	1.0445	0.2736	0.0250	0.2986						
Unmitigated	0.6225	1.8729	6.7350	0.0155	1.0174	0.0271	1.0445	0.2736	0.0250	0.2986						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	1,216.50	285.00	166.50	2,702,718	2,702,718
Total	1,216.50	285.00	166.50	2,702,718	2,702,718

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.480041	0.067760	0.152755	0.149009	0.059320	0.006695	0.036232	0.035055	0.000917	0.001890	0.007597	0.000661	0.002068

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						
NaturalGas Mitigated	0.0111	0.1011	0.0849	6.1000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003						
NaturalGas Unmitigated	0.0159	0.1442	0.1211	8.7000e-004		0.0110	0.0110		0.0110	0.0110						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Research & Development	2.9415e+006	0.0159	0.1442	0.1211	8.7000e-004		0.0110	0.0110		0.0110	0.0110						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.0159	0.1442	0.1211	8.7000e-004		0.0110	0.0110		0.0110	0.0110						

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Research & Development	2.06175e+006	0.0111	0.1011	0.0849	6.1000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.0111	0.1011	0.0849	6.1000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003						

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0				
Parking Lot	211200				
Research & Development	1.3845e+006				
Total					

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0				
Parking Lot	105600				
Research & Development	646800				
Total					

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Mitigated	4.4322	7.0000e-005	7.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005							
Unmitigated	4.7435	7.0000e-005	7.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005							

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.5793					0.0000	0.0000		0.0000	0.0000							
Consumer Products	4.1635					0.0000	0.0000		0.0000	0.0000							
Landscaping	6.8000e-004	7.0000e-005	7.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005							
Total	4.7435	7.0000e-005	7.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005							

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.5793					0.0000	0.0000		0.0000	0.0000						
Consumer Products	3.8522					0.0000	0.0000		0.0000	0.0000						
Landscaping	6.8000e-004	7.0000e-005	7.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005						
Total	4.4322	7.0000e-005	7.1300e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				
Unmitigated				

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Research & Development	73.7541 / 0				
Total					

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Research & Development	51.6279 / 0				
Total					

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				
Unmitigated				

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0				
Parking Lot	0				
Research & Development	11.4				
Total					

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0				
Parking Lot	0				
Research & Development	11.4				
Total					

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

MRIC - AQ - 1-Year Construction
Yolo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	150.00	1000sqft	3.44	150,000.00	0
Other Non-Asphalt Surfaces	15.52	Acre	15.52	676,051.20	0
Parking Lot	600.00	Space	5.77	240,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - soil would be exported using 12-cubic-yard trucks to a site 2 miles away

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	370.00	211.00
tblConstructionPhase	NumDays	35.00	20.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	10.00	6.00
tblGrading	AcresOfGrading	50.00	24.73
tblGrading	MaterialExported	0.00	7,345.00
tblLandUse	LotAcreage	5.40	5.77
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00

tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	726.00	612.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.9954	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						
Energy	0.0869	0.7901	0.6637	4.7400e-003		0.0601	0.0601		0.0601	0.0601						
Mobile	4.8607	12.5420	48.6144	0.1187	7.5220	0.1938	7.7158	2.0173	0.1784	2.1957						
Total	30.9430	13.3328	49.3573	0.1234	7.5220	0.2542	7.7762	2.0173	0.2387	2.2560						

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.2897	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						
Energy	0.0609	0.5538	0.4652	3.3200e-003		0.0421	0.0421		0.0421	0.0421						
Mobile	4.8607	12.5420	48.6144	0.1187	7.5220	0.1938	7.7158	2.0173	0.1784	2.1957						
Total	29.2113	13.0965	49.1588	0.1220	7.5220	0.2362	7.7582	2.0173	0.2208	2.2380						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.60	1.77	0.40	1.15	0.00	7.07	0.23	0.00	7.52	0.80	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	7/10/2017	5	6	
2	Grading	Grading	7/11/2017	8/7/2017	5	20	
3	Building Construction	Building Construction	8/8/2017	5/29/2018	5	211	
4	Paving	Paving	5/30/2018	6/13/2018	5	11	
5	Architectural Coating	Architectural Coating	6/14/2018	6/28/2018	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 24.73

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,249,877; Non-Residential Outdoor: 416,626 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	612.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	433.00	175.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	87.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3334	0.0000	7.3334	3.4518	0.0000	3.4518						
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518						
Total	6.0991	69.5920	46.8050	0.0617	7.3334	3.3172	10.6506	3.4518	3.0518	6.5036						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3502	1.2096	4.9753	2.8500e-003	0.0540	0.0120	0.0660	0.0148	0.0110	0.0259						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0824	0.1059	1.3209	3.2000e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5300e-003	0.0693						
Total	0.4327	1.3155	6.2962	6.0500e-003	0.3095	0.0137	0.3231	0.0826	0.0125	0.0951						

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3334	0.0000	7.3334	3.4518	0.0000	3.4518						
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518						
Total	6.0991	69.5920	46.8050	0.0617	7.3334	3.3172	10.6506	3.4518	3.0518	6.5036						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3502	1.2096	4.9753	2.8500e-003	0.0540	0.0120	0.0660	0.0148	0.0110	0.0259						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0824	0.1059	1.3209	3.2000e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5300e-003	0.0693						
Total	0.4327	1.3155	6.2962	6.0500e-003	0.3095	0.0137	0.3231	0.0826	0.0125	0.0951						

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730						
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	1.8796	13.0933	20.2062	0.0382	1.0595	0.2129	1.2724	0.3035	0.1956	0.4991						
Worker	1.7848	2.2932	28.5983	0.0692	5.5307	0.0361	5.5668	1.4667	0.0332	1.4999						
Total	3.6644	15.3866	48.8045	0.1075	6.5902	0.2490	6.8392	1.7702	0.2289	1.9990						

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730						
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	1.8796	13.0933	20.2062	0.0382	1.0595	0.2129	1.2724	0.3035	0.1956	0.4991						
Worker	1.7848	2.2932	28.5983	0.0692	5.5307	0.0361	5.5668	1.4667	0.0332	1.4999						
Total	3.6644	15.3866	48.8045	0.1075	6.5902	0.2490	6.8392	1.7702	0.2289	1.9990						

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	1.6258	11.7815	18.0811	0.0381	1.0594	0.1957	1.2551	0.3034	0.1799	0.4834						
Worker	1.5899	2.0645	25.6311	0.0692	5.5307	0.0351	5.5658	1.4667	0.0324	1.4991						
Total	3.2157	13.8460	43.7122	0.1074	6.5901	0.2308	6.8209	1.7701	0.2124	1.9825						

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	1.6258	11.7815	18.0811	0.0381	1.0594	0.1957	1.2551	0.3034	0.1799	0.4834						
Worker	1.5899	2.0645	25.6311	0.0692	5.5307	0.0351	5.5658	1.4667	0.0324	1.4991						
Total	3.2157	13.8460	43.7122	0.1074	6.5901	0.2308	6.8209	1.7701	0.2124	1.9825						

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						
Paving	1.3743					0.0000	0.0000		0.0000	0.0000						
Total	2.9857	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0551	0.0715	0.8879	2.4000e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						
Total	0.0551	0.0715	0.8879	2.4000e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						
Paving	1.3743					0.0000	0.0000		0.0000	0.0000						
Total	2.9857	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0551	0.0715	0.8879	2.4000e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						
Total	0.0551	0.0715	0.8879	2.4000e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1,053.3057					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						
Total	1,053.6043	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3194	0.4148	5.1499	0.0139	1.1113	7.0500e-003	1.1183	0.2947	6.5100e-003	0.3012						
Total	0.3194	0.4148	5.1499	0.0139	1.1113	7.0500e-003	1.1183	0.2947	6.5100e-003	0.3012						

3.6 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1,053.3057					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						
Total	1,053.6043	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.3194	0.4148	5.1499	0.0139	1.1113	7.0500e-003	1.1183	0.2947	6.5100e-003	0.3012						
Total	0.3194	0.4148	5.1499	0.0139	1.1113	7.0500e-003	1.1183	0.2947	6.5100e-003	0.3012						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.8607	12.5420	48.6144	0.1187	7.5220	0.1938	7.7158	2.0173	0.1784	2.1957						
Unmitigated	4.8607	12.5420	48.6144	0.1187	7.5220	0.1938	7.7158	2.0173	0.1784	2.1957						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	1,216.50	285.00	166.50	2,702,718	2,702,718
Total	1,216.50	285.00	166.50	2,702,718	2,702,718

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.480041	0.067760	0.152755	0.149009	0.059320	0.006695	0.036232	0.035055	0.000917	0.001890	0.007597	0.000661	0.002068

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0609	0.5538	0.4652	3.3200e-003		0.0421	0.0421		0.0421	0.0421						
NaturalGas Unmitigated	0.0869	0.7901	0.6637	4.7400e-003		0.0601	0.0601		0.0601	0.0601						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	8058.9	0.0869	0.7901	0.6637	4.7400e-003		0.0601	0.0601		0.0601	0.0601						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.0869	0.7901	0.6637	4.7400e-003		0.0601	0.0601		0.0601	0.0601						

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	5.64863	0.0609	0.5538	0.4652	3.3200e-003		0.0421	0.0421		0.0421	0.0421						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.0609	0.5538	0.4652	3.3200e-003		0.0421	0.0421		0.0421	0.0421						

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	24.2897	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						
Unmitigated	25.9954	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.1744					0.0000	0.0000		0.0000	0.0000						
Consumer Products	22.8135					0.0000	0.0000		0.0000	0.0000						
Landscaping	7.5700e-003	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						
Total	25.9954	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.1744					0.0000	0.0000		0.0000	0.0000						
Consumer Products	21.1078					0.0000	0.0000		0.0000	0.0000						
Landscaping	7.5700e-003	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						
Total	24.2897	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

MRIC - AQ - 1-Year Construction
Yolo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	150.00	1000sqft	3.44	150,000.00	0
Other Non-Asphalt Surfaces	15.52	Acre	15.52	676,051.20	0
Parking Lot	600.00	Space	5.77	240,000.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on project description and plans

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - soil would be exported using 12-cubic-yard trucks to a site 2 miles away

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	370.00	211.00
tblConstructionPhase	NumDays	35.00	20.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	10.00	6.00
tblGrading	AcresOfGrading	50.00	24.73
tblGrading	MaterialExported	0.00	7,345.00
tblLandUse	LotAcreage	5.40	5.77
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00

tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	726.00	612.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	25.9954	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						
Energy	0.0869	0.7901	0.6637	4.7400e-003		0.0601	0.0601		0.0601	0.0601						
Mobile	4.7688	14.0321	55.4397	0.1088	7.5220	0.1951	7.7172	2.0173	0.1796	2.1969						
Total	30.8511	14.8229	56.1826	0.1135	7.5220	0.2555	7.7775	2.0173	0.2399	2.2572						

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	24.2897	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						
Energy	0.0609	0.5538	0.4652	3.3200e-003		0.0421	0.0421		0.0421	0.0421						
Mobile	4.7688	14.0321	55.4397	0.1088	7.5220	0.1951	7.7172	2.0173	0.1796	2.1969						
Total	29.1195	14.5866	55.9841	0.1121	7.5220	0.2375	7.7595	2.0173	0.2220	2.2393						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.61	1.59	0.35	1.25	0.00	7.03	0.23	0.00	7.49	0.80	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	7/10/2017	5	6	
2	Grading	Grading	7/11/2017	8/7/2017	5	20	
3	Building Construction	Building Construction	8/8/2017	5/29/2018	5	211	
4	Paving	Paving	5/30/2018	6/13/2018	5	11	
5	Architectural Coating	Architectural Coating	6/14/2018	6/28/2018	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 24.73

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,249,877; Non-Residential Outdoor: 416,626 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	612.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	433.00	175.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	87.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3334	0.0000	7.3334	3.4518	0.0000	3.4518						
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518						
Total	6.0991	69.5920	46.8050	0.0617	7.3334	3.3172	10.6506	3.4518	3.0518	6.5036						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5144	1.2800	9.2610	2.8600e-003	0.0540	0.0124	0.0664	0.0148	0.0113	0.0262						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0723	0.1327	1.1520	2.8200e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5300e-003	0.0693						
Total	0.5867	1.4128	10.4130	5.6800e-003	0.3095	0.0140	0.3235	0.0826	0.0129	0.0955						

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.3334	0.0000	7.3334	3.4518	0.0000	3.4518						
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518						
Total	6.0991	69.5920	46.8050	0.0617	7.3334	3.3172	10.6506	3.4518	3.0518	6.5036						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5144	1.2800	9.2610	2.8600e-003	0.0540	0.0124	0.0664	0.0148	0.0113	0.0262						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0723	0.1327	1.1520	2.8200e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5300e-003	0.0693						
Total	0.5867	1.4128	10.4130	5.6800e-003	0.3095	0.0140	0.3235	0.0826	0.0129	0.0955						

3.4 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730						
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	2.5184	13.9645	35.6775	0.0382	1.0595	0.2157	1.2752	0.3035	0.1983	0.5017						
Worker	1.5660	2.8737	24.9410	0.0610	5.5307	0.0361	5.5668	1.4667	0.0332	1.4999						
Total	4.0844	16.8382	60.6185	0.0992	6.5902	0.2518	6.8420	1.7702	0.2315	2.0016						

3.4 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730						
Total	3.1024	26.4057	18.1291	0.0268		1.7812	1.7812		1.6730	1.6730						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	2.5184	13.9645	35.6775	0.0382	1.0595	0.2157	1.2752	0.3035	0.1983	0.5017						
Worker	1.5660	2.8737	24.9410	0.0610	5.5307	0.0361	5.5668	1.4667	0.0332	1.4999						
Total	4.0844	16.8382	60.6185	0.0992	6.5902	0.2518	6.8420	1.7702	0.2315	2.0016						

3.4 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	2.1488	12.5550	33.3136	0.0381	1.0594	0.1983	1.2577	0.3034	0.1823	0.4858						
Worker	1.3756	2.5846	22.1085	0.0610	5.5307	0.0351	5.5658	1.4667	0.0324	1.4991						
Total	3.5244	15.1397	55.4221	0.0990	6.5901	0.2334	6.8235	1.7701	0.2147	1.9849						

3.4 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	2.1488	12.5550	33.3136	0.0381	1.0594	0.1983	1.2577	0.3034	0.1823	0.4858						
Worker	1.3756	2.5846	22.1085	0.0610	5.5307	0.0351	5.5658	1.4667	0.0324	1.4991						
Total	3.5244	15.1397	55.4221	0.0990	6.5901	0.2334	6.8235	1.7701	0.2147	1.9849						

3.5 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						
Paving	1.3743					0.0000	0.0000		0.0000	0.0000						
Total	2.9857	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0477	0.0895	0.7659	2.1100e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						
Total	0.0477	0.0895	0.7659	2.1100e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						

3.5 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						
Paving	1.3743					0.0000	0.0000		0.0000	0.0000						
Total	2.9857	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0477	0.0895	0.7659	2.1100e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						
Total	0.0477	0.0895	0.7659	2.1100e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1,053.3057					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						
Total	1,053.6043	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.2764	0.5193	4.4421	0.0123	1.1113	7.0500e-003	1.1183	0.2947	6.5100e-003	0.3012						
Total	0.2764	0.5193	4.4421	0.0123	1.1113	7.0500e-003	1.1183	0.2947	6.5100e-003	0.3012						

3.6 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1,053.3057					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						
Total	1,053.6043	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.2764	0.5193	4.4421	0.0123	1.1113	7.0500e-003	1.1183	0.2947	6.5100e-003	0.3012						
Total	0.2764	0.5193	4.4421	0.0123	1.1113	7.0500e-003	1.1183	0.2947	6.5100e-003	0.3012						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7688	14.0321	55.4397	0.1088	7.5220	0.1951	7.7172	2.0173	0.1796	2.1969						
Unmitigated	4.7688	14.0321	55.4397	0.1088	7.5220	0.1951	7.7172	2.0173	0.1796	2.1969						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	1,216.50	285.00	166.50	2,702,718	2,702,718
Total	1,216.50	285.00	166.50	2,702,718	2,702,718

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.480041	0.067760	0.152755	0.149009	0.059320	0.006695	0.036232	0.035055	0.000917	0.001890	0.007597	0.000661	0.002068

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.0609	0.5538	0.4652	3.3200e-003		0.0421	0.0421		0.0421	0.0421						
NaturalGas Unmitigated	0.0869	0.7901	0.6637	4.7400e-003		0.0601	0.0601		0.0601	0.0601						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	8058.9	0.0869	0.7901	0.6637	4.7400e-003		0.0601	0.0601		0.0601	0.0601						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.0869	0.7901	0.6637	4.7400e-003		0.0601	0.0601		0.0601	0.0601						

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	5.64863	0.0609	0.5538	0.4652	3.3200e-003		0.0421	0.0421		0.0421	0.0421						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.0609	0.5538	0.4652	3.3200e-003		0.0421	0.0421		0.0421	0.0421						

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	24.2897	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004							
Unmitigated	25.9954	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004							

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	3.1744					0.0000	0.0000		0.0000	0.0000							
Consumer Products	22.8135					0.0000	0.0000		0.0000	0.0000							
Landscaping	7.5700e-003	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004							
Total	25.9954	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004							

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.1744					0.0000	0.0000		0.0000	0.0000						
Consumer Products	21.1078					0.0000	0.0000		0.0000	0.0000						
Landscaping	7.5700e-003	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						
Total	24.2897	7.4000e-004	0.0792	1.0000e-005		2.9000e-004	2.9000e-004		2.9000e-004	2.9000e-004						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

MRIC - AQ - Construction of Phase 4
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	714.00	1000sqft	16.39	714,000.00	0
Other Non-Asphalt Surfaces	32.52	Acre	32.52	1,416,571.20	0
Parking Lot	2,856.00	Space	27.46	1,142,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on phasing plan

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - 34,970 cubic yards exported to off-site location 2 miles away (haul truck capacity = 12 cubic yards) = 2,914 haul truck trips

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,015.00
tblConstructionPhase	NumDays	1,550.00	1,015.00
tblConstructionPhase	NumDays	155.00	102.00
tblConstructionPhase	NumDays	110.00	72.00
tblConstructionPhase	NumDays	60.00	39.00
tblConstructionPhase	PhaseEndDate	2/4/2026	3/30/2022
tblConstructionPhase	PhaseStartDate	3/17/2022	5/10/2018
tblGrading	AcresOfGrading	255.00	118.72
tblGrading	MaterialExported	0.00	34,970.00
tblLandUse	LotAcreage	25.70	27.46
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	4,371.00	2,914.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3935	4.2365	3.2498	3.8700e-003	0.7490	0.2053	0.9542	0.3754	0.1888	0.5642						
2018	3.7976	7.2935	16.0161	0.0342	2.3743	0.2597	2.6340	0.7135	0.2426	0.9562						
2019	5.4314	8.4372	20.7838	0.0485	2.9353	0.2732	3.2085	0.7893	0.2561	1.0454						
2020	5.3225	7.4985	19.7177	0.0487	2.9466	0.2412	3.1878	0.7923	0.2262	1.0185						
2021	5.1758	6.5041	18.4547	0.0485	2.9354	0.2108	3.1462	0.7893	0.1976	0.9869						
2022	1.1865	1.1997	3.6095	0.0100	0.6122	0.0388	0.6510	0.1646	0.0364	0.2010						
Total	21.3073	35.1696	81.8316	0.1938	12.5529	1.2290	13.7819	3.6244	1.1477	4.7721						

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	14.2909	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004						
Energy	0.0755	0.6864	0.5765	4.1200e-003		0.0522	0.0522		0.0522	0.0522						
Mobile	2.9632	8.9152	32.0588	0.0736	4.8429	0.1290	4.9719	1.3023	0.1188	1.4211						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	17.3296	9.6018	32.6689	0.0777	4.8429	0.1813	5.0242	1.3023	0.1711	1.4734						

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	13.3352	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004						
Energy	0.0529	0.4811	0.4041	2.8900e-003		0.0366	0.0366		0.0366	0.0366						
Mobile	2.9632	8.9152	32.0588	0.0736	4.8429	0.1290	4.9719	1.3023	0.1188	1.4211						
Waste						0.0000	0.0000		0.0000	0.0000						
Water						0.0000	0.0000		0.0000	0.0000						
Total	16.3513	9.3965	32.4965	0.0765	4.8429	0.1657	5.0086	1.3023	0.1555	1.4578						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.65	2.14	0.53	1.58	0.00	8.60	0.31	0.00	9.12	1.06	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	8/24/2017	5	39	
2	Grading	Grading	8/25/2017	1/15/2018	5	102	
3	Paving	Paving	1/16/2018	4/25/2018	5	72	
4	Building Construction	Building Construction	4/26/2018	3/16/2022	5	1015	
5	Architectural Coating	Architectural Coating	5/10/2018	3/30/2022	5	1015	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 118.72

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,247,265; Non-Residential Outdoor: 1,082,422 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	2,914.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,303.00	536.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	261.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3523	0.0000	0.3523	0.1937	0.0000	0.1937						
Off-Road	0.0943	1.0092	0.7682	7.6000e-004		0.0537	0.0537		0.0494	0.0494						
Total	0.0943	1.0092	0.7682	7.6000e-004	0.3523	0.0537	0.4060	0.1937	0.0494	0.2431						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2200e-003	2.0700e-003	0.0198	5.0000e-005	4.3400e-003	3.0000e-005	4.3700e-003	1.1500e-003	3.0000e-005	1.1800e-003						
Total	1.2200e-003	2.0700e-003	0.0198	5.0000e-005	4.3400e-003	3.0000e-005	4.3700e-003	1.1500e-003	3.0000e-005	1.1800e-003						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3523	0.0000	0.3523	0.1937	0.0000	0.1937						
Off-Road	0.0943	1.0092	0.7682	7.6000e-004		0.0537	0.0537		0.0494	0.0494						
Total	0.0943	1.0092	0.7682	7.6000e-004	0.3523	0.0537	0.4060	0.1937	0.0494	0.2431						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.2200e-003	2.0700e-003	0.0198	5.0000e-005	4.3400e-003	3.0000e-005	4.3700e-003	1.1500e-003	3.0000e-005	1.1800e-003						
Total	1.2200e-003	2.0700e-003	0.0198	5.0000e-005	4.3400e-003	3.0000e-005	4.3700e-003	1.1500e-003	3.0000e-005	1.1800e-003						

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3787	0.0000	0.3787	0.1769	0.0000	0.1769						
Off-Road	0.2775	3.1664	2.1296	2.8100e-003		0.1509	0.1509		0.1389	0.1389						
Total	0.2775	3.1664	2.1296	2.8100e-003	0.3787	0.1509	0.5296	0.1769	0.1389	0.3158						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0173	0.0534	0.2808	1.2000e-004	2.4300e-003	5.2000e-004	2.9500e-003	6.6000e-004	4.7000e-004	1.1400e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.1700e-003	5.3700e-003	0.0514	1.3000e-004	0.0113	8.0000e-005	0.0113	2.9900e-003	7.0000e-005	3.0600e-003						
Total	0.0205	0.0588	0.3321	2.5000e-004	0.0137	6.0000e-004	0.0143	3.6500e-003	5.4000e-004	4.2000e-003						

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3787	0.0000	0.3787	0.1769	0.0000	0.1769						
Off-Road	0.2775	3.1664	2.1296	2.8100e-003		0.1509	0.1509		0.1389	0.1389						
Total	0.2775	3.1664	2.1296	2.8100e-003	0.3787	0.1509	0.5296	0.1769	0.1389	0.3158						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0173	0.0534	0.2808	1.2000e-004	2.4300e-003	5.2000e-004	2.9500e-003	6.6000e-004	4.7000e-004	1.1400e-003						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.1700e-003	5.3700e-003	0.0514	1.3000e-004	0.0113	8.0000e-005	0.0113	2.9900e-003	7.0000e-005	3.0600e-003						
Total	0.0205	0.0588	0.3321	2.5000e-004	0.0137	6.0000e-004	0.0143	3.6500e-003	5.4000e-004	4.2000e-003						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3787	0.0000	0.3787	0.1769	0.0000	0.1769						
Off-Road	0.0291	0.3274	0.2327	3.4000e-004		0.0153	0.0153		0.0141	0.0141						
Total	0.0291	0.3274	0.2327	3.4000e-004	0.3787	0.0153	0.3940	0.1769	0.0141	0.1910						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7400e-003	5.9500e-003	0.0312	1.0000e-005	1.9200e-003	6.0000e-005	1.9800e-003	4.8000e-004	6.0000e-005	5.4000e-004						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.4000e-004	5.8000e-004	5.5400e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004						
Total	2.0800e-003	6.5300e-003	0.0368	3.0000e-005	3.2800e-003	7.0000e-005	3.3500e-003	8.4000e-004	7.0000e-005	9.1000e-004						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3787	0.0000	0.3787	0.1769	0.0000	0.1769						
Off-Road	0.0291	0.3274	0.2327	3.4000e-004		0.0153	0.0153		0.0141	0.0141						
Total	0.0291	0.3274	0.2327	3.4000e-004	0.3787	0.0153	0.3940	0.1769	0.0141	0.1910						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7400e-003	5.9500e-003	0.0312	1.0000e-005	1.9200e-003	6.0000e-005	1.9800e-003	4.8000e-004	6.0000e-005	5.4000e-004						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	3.4000e-004	5.8000e-004	5.5400e-003	2.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004						
Total	2.0800e-003	6.5300e-003	0.0368	3.0000e-005	3.2800e-003	7.0000e-005	3.3500e-003	8.4000e-004	7.0000e-005	9.1000e-004						

3.4 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0580	0.6179	0.5218	8.0000e-004		0.0338	0.0338		0.0311	0.0311						
Paving	0.0360					0.0000	0.0000		0.0000	0.0000						
Total	0.0940	0.6179	0.5218	8.0000e-004		0.0338	0.0338		0.0311	0.0311						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.6600e-003	2.8600e-003	0.0272	8.0000e-005	6.6800e-003	4.0000e-005	6.7200e-003	1.7700e-003	4.0000e-005	1.8200e-003						
Total	1.6600e-003	2.8600e-003	0.0272	8.0000e-005	6.6800e-003	4.0000e-005	6.7200e-003	1.7700e-003	4.0000e-005	1.8200e-003						

3.4 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0580	0.6179	0.5218	8.0000e-004		0.0338	0.0338		0.0311	0.0311						
Paving	0.0360					0.0000	0.0000		0.0000	0.0000						
Total	0.0940	0.6179	0.5218	8.0000e-004		0.0338	0.0338		0.0311	0.0311						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	1.6600e-003	2.8600e-003	0.0272	8.0000e-005	6.6800e-003	4.0000e-005	6.7200e-003	1.7700e-003	4.0000e-005	1.8200e-003						
Total	1.6600e-003	2.8600e-003	0.0272	8.0000e-005	6.6800e-003	4.0000e-005	6.7200e-003	1.7700e-003	4.0000e-005	1.8200e-003						

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2375	2.0702	1.5604	2.3900e-003		0.1330	0.1330		0.1250	0.1250						
Total	0.2375	2.0702	1.5604	2.3900e-003		0.1330	0.1330		0.1250	0.1250						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.4922	3.3687	6.5425	0.0104	0.2811	0.0537	0.3347	0.0808	0.0493	0.1302						
Worker	0.3572	0.6152	5.8357	0.0168	1.4336	9.3900e-003	1.4430	0.3811	8.6800e-003	0.3898						
Total	0.8494	3.9838	12.3782	0.0272	1.7147	0.0630	1.7777	0.4619	0.0580	0.5200						

3.5 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2375	2.0702	1.5604	2.3900e-003		0.1330	0.1330		0.1250	0.1250						
Total	0.2375	2.0702	1.5604	2.3900e-003		0.1330	0.1330		0.1250	0.1250						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.4922	3.3687	6.5425	0.0104	0.2811	0.0537	0.3347	0.0808	0.0493	0.1302						
Worker	0.3572	0.6152	5.8357	0.0168	1.4336	9.3900e-003	1.4430	0.3811	8.6800e-003	0.3898						
Total	0.8494	3.9838	12.3782	0.0272	1.7147	0.0630	1.7777	0.4619	0.0580	0.5200						

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577						
Total	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.6521	4.4755	9.0062	0.0152	0.4122	0.0725	0.4847	0.1185	0.0667	0.1852						
Worker	0.4727	0.8217	7.7506	0.0245	2.1021	0.0134	2.1155	0.5588	0.0125	0.5713						
Total	1.1248	5.2972	16.7568	0.0397	2.5143	0.0860	2.6002	0.6774	0.0792	0.7565						

3.5 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577						
Total	0.3069	2.7359	2.2342	3.5000e-003		0.1677	0.1677		0.1577	0.1577						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.6521	4.4755	9.0062	0.0152	0.4122	0.0725	0.4847	0.1185	0.0667	0.1852						
Worker	0.4727	0.8217	7.7506	0.0245	2.1021	0.0134	2.1155	0.5588	0.0125	0.5713						
Total	1.1248	5.2972	16.7568	0.0397	2.5143	0.0860	2.6002	0.6774	0.0792	0.7565						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371						
Total	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.6040	3.8663	8.6934	0.0152	0.4138	0.0649	0.4786	0.1190	0.0597	0.1786						
Worker	0.4374	0.7595	7.1503	0.0246	2.1102	0.0134	2.1235	0.5610	0.0124	0.5734						
Total	1.0415	4.6258	15.8437	0.0398	2.5239	0.0783	2.6022	0.6800	0.0721	0.7520						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371						
Total	0.2766	2.5000	2.2019	3.5100e-003		0.1458	0.1458		0.1371	0.1371						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.6040	3.8663	8.6934	0.0152	0.4138	0.0649	0.4786	0.1190	0.0597	0.1786						
Worker	0.4374	0.7595	7.1503	0.0246	2.1102	0.0134	2.1235	0.5610	0.0124	0.5734						
Total	1.0415	4.6258	15.8437	0.0398	2.5239	0.0783	2.6022	0.6800	0.0721	0.7520						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.5366	3.1940	8.0595	0.0151	0.4123	0.0579	0.4702	0.1186	0.0533	0.1718						
Worker	0.4110	0.7064	6.6648	0.0245	2.1021	0.0133	2.1154	0.5588	0.0124	0.5712						
Total	0.9476	3.9005	14.7243	0.0397	2.5144	0.0712	2.5856	0.6774	0.0656	0.7430						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.5366	3.1940	8.0595	0.0151	0.4123	0.0579	0.4702	0.1186	0.0533	0.1718						
Worker	0.4110	0.7064	6.6648	0.0245	2.1021	0.0133	2.1154	0.5588	0.0124	0.5712						
Total	0.9476	3.9005	14.7243	0.0397	2.5144	0.0712	2.5856	0.6774	0.0656	0.7430						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0450	0.4117	0.4327	7.1000e-004		0.0214	0.0214		0.0201	0.0201						
Total	0.0450	0.4117	0.4327	7.1000e-004		0.0214	0.0214		0.0201	0.0201						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.1030	0.5769	1.5454	3.0700e-003	0.0837	0.0115	0.0953	0.0241	0.0106	0.0347						
Worker	0.0790	0.1347	1.2716	4.9800e-003	0.4269	2.7100e-003	0.4296	0.1135	2.5200e-003	0.1160						
Total	0.1820	0.7116	2.8170	8.0500e-003	0.5106	0.0142	0.5248	0.1376	0.0131	0.1507						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0450	0.4117	0.4327	7.1000e-004		0.0214	0.0214		0.0201	0.0201						
Total	0.0450	0.4117	0.4327	7.1000e-004		0.0214	0.0214		0.0201	0.0201						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.1030	0.5769	1.5454	3.0700e-003	0.0837	0.0115	0.0953	0.0241	0.0106	0.0347						
Worker	0.0790	0.1347	1.2716	4.9800e-003	0.4269	2.7100e-003	0.4296	0.1135	2.5200e-003	0.1160						
Total	0.1820	0.7116	2.8170	8.0500e-003	0.5106	0.0142	0.5248	0.1376	0.0131	0.1507						

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.4912					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0251	0.1685	0.1558	2.5000e-004		0.0127	0.0127		0.0127	0.0127						
Total	2.5163	0.1685	0.1558	2.5000e-004		0.0127	0.0127		0.0127	0.0127						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0675	0.1163	1.1033	3.1800e-003	0.2710	1.7800e-003	0.2728	0.0721	1.6400e-003	0.0737						
Total	0.0675	0.1163	1.1033	3.1800e-003	0.2710	1.7800e-003	0.2728	0.0721	1.6400e-003	0.0737						

3.6 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.4912					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0251	0.1685	0.1558	2.5000e-004		0.0127	0.0127		0.0127	0.0127						
Total	2.5163	0.1685	0.1558	2.5000e-004		0.0127	0.0127		0.0127	0.0127						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0675	0.1163	1.1033	3.1800e-003	0.2710	1.7800e-003	0.2728	0.0721	1.6400e-003	0.0737						
Total	0.0675	0.1163	1.1033	3.1800e-003	0.2710	1.7800e-003	0.2728	0.0721	1.6400e-003	0.0737						

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.8703					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168						
Total	3.9051	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0947	0.1646	1.5525	4.9100e-003	0.4211	2.6900e-003	0.4238	0.1119	2.4900e-003	0.1144						
Total	0.0947	0.1646	1.5525	4.9100e-003	0.4211	2.6900e-003	0.4238	0.1119	2.4900e-003	0.1144						

3.6 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.8703					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0348	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168						
Total	3.9051	0.2395	0.2403	3.9000e-004		0.0168	0.0168		0.0168	0.0168						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0947	0.1646	1.5525	4.9100e-003	0.4211	2.6900e-003	0.4238	0.1119	2.4900e-003	0.1144						
Total	0.0947	0.1646	1.5525	4.9100e-003	0.4211	2.6900e-003	0.4238	0.1119	2.4900e-003	0.1144						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.8851					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145						
Total	3.9168	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0876	0.1521	1.4323	4.9300e-003	0.4227	2.6800e-003	0.4254	0.1124	2.4900e-003	0.1149						
Total	0.0876	0.1521	1.4323	4.9300e-003	0.4227	2.6800e-003	0.4254	0.1124	2.4900e-003	0.1149						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.8851					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145						
Total	3.9168	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0876	0.1521	1.4323	4.9300e-003	0.4227	2.6800e-003	0.4254	0.1124	2.4900e-003	0.1149						
Total	0.0876	0.1521	1.4323	4.9300e-003	0.4227	2.6800e-003	0.4254	0.1124	2.4900e-003	0.1149						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.8703					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						
Total	3.8989	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0823	0.1415	1.3350	4.9100e-003	0.4211	2.6700e-003	0.4237	0.1119	2.4800e-003	0.1144						
Total	0.0823	0.1415	1.3350	4.9100e-003	0.4211	2.6700e-003	0.4237	0.1119	2.4800e-003	0.1144						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	3.8703					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						
Total	3.8989	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0823	0.1415	1.3350	4.9100e-003	0.4211	2.6700e-003	0.4237	0.1119	2.4800e-003	0.1144						
Total	0.0823	0.1415	1.3350	4.9100e-003	0.4211	2.6700e-003	0.4237	0.1119	2.4800e-003	0.1144						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9342					0.0000	0.0000		0.0000	0.0000						
Off-Road	6.4400e-003	0.0444	0.0571	9.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003						
Total	0.9406	0.0444	0.0571	9.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0188	0.0321	0.3028	1.1900e-003	0.1016	6.5000e-004	0.1023	0.0270	6.0000e-004	0.0276						
Total	0.0188	0.0321	0.3028	1.1900e-003	0.1016	6.5000e-004	0.1023	0.0270	6.0000e-004	0.0276						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.9342					0.0000	0.0000		0.0000	0.0000						
Off-Road	6.4400e-003	0.0444	0.0571	9.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003						
Total	0.9406	0.0444	0.0571	9.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0188	0.0321	0.3028	1.1900e-003	0.1016	6.5000e-004	0.1023	0.0270	6.0000e-004	0.0276						
Total	0.0188	0.0321	0.3028	1.1900e-003	0.1016	6.5000e-004	0.1023	0.0270	6.0000e-004	0.0276						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.9632	8.9152	32.0588	0.0736	4.8429	0.1290	4.9719	1.3023	0.1188	1.4211						
Unmitigated	2.9632	8.9152	32.0588	0.0736	4.8429	0.1290	4.9719	1.3023	0.1188	1.4211						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	5,790.54	1,356.60	792.54	12,864,936	12,864,936
Total	5,790.54	1,356.60	792.54	12,864,936	12,864,936

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.480041	0.067760	0.152755	0.149009	0.059320	0.006695	0.036232	0.035055	0.000917	0.001890	0.007597	0.000661	0.002068

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000						
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000						
NaturalGas Mitigated	0.0529	0.4811	0.4041	2.8900e-003		0.0366	0.0366		0.0366	0.0366						
NaturalGas Unmitigated	0.0755	0.6864	0.5765	4.1200e-003		0.0522	0.0522		0.0522	0.0522						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Research & Development	1.40015e+007	0.0755	0.6864	0.5765	4.1200e-003		0.0522	0.0522		0.0522	0.0522						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.0755	0.6864	0.5765	4.1200e-003		0.0522	0.0522		0.0522	0.0522						

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Research & Development	9.81393e+006	0.0529	0.4811	0.4041	2.8900e-003		0.0366	0.0366		0.0366	0.0366						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.0529	0.4811	0.4041	2.8900e-003		0.0366	0.0366		0.0366	0.0366						

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0				
Parking Lot	1.00531e+006				
Research & Development	6.59022e+006				
Total					

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0				
Parking Lot	502656				
Research & Development	3.07877e+006				
Total					

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	13.3352	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004						
Unmitigated	14.2909	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.5051					0.0000	0.0000		0.0000	0.0000						
Consumer Products	12.7826					0.0000	0.0000		0.0000	0.0000						
Landscaping	3.2100e-003	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004						
Total	14.2909	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.5051					0.0000	0.0000		0.0000	0.0000						
Consumer Products	11.8269					0.0000	0.0000		0.0000	0.0000						
Landscaping	3.2100e-003	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004						
Total	13.3352	3.1000e-004	0.0336	0.0000		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated				
Unmitigated				

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Research & Development	351.069 / 0				
Total					

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0				
Parking Lot	0 / 0				
Research & Development	245.749 / 0				
Total					

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated				
Unmitigated				

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0				
Parking Lot	0				
Research & Development	54.26				
Total					

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0				
Parking Lot	0				
Research & Development	54.26				
Total					

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

MRIC - AQ - Construction of Phase 4
Yolo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	714.00	1000sqft	16.39	714,000.00	0
Other Non-Asphalt Surfaces	32.52	Acre	32.52	1,416,571.20	0
Parking Lot	2,856.00	Space	27.46	1,142,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on phasing plan

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - 34,970 cubic yards exported to off-site location 2 miles away (haul truck capacity = 12 cubic yards) = 2,914 haul truck trips

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,015.00
tblConstructionPhase	NumDays	1,550.00	1,015.00
tblConstructionPhase	NumDays	155.00	102.00
tblConstructionPhase	NumDays	110.00	72.00
tblConstructionPhase	NumDays	60.00	39.00
tblConstructionPhase	PhaseEndDate	2/4/2026	3/30/2022
tblConstructionPhase	PhaseStartDate	3/17/2022	5/10/2018
tblGrading	AcresOfGrading	255.00	118.72
tblGrading	MaterialExported	0.00	34,970.00
tblLandUse	LotAcreage	25.70	27.46
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	4,371.00	2,914.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.5085	70.8272	52.7710	0.0676	18.2962	3.3301	21.0519	9.9917	3.0636	12.5269						
2018	43.3469	68.8088	167.3466	0.3966	23.2217	2.8005	25.5927	6.2271	2.5764	8.4506						
2019	42.0038	62.3193	154.3074	0.3953	23.2219	2.0902	25.3121	6.2271	1.9599	8.1870						
2020	40.9941	55.2254	145.2340	0.3951	23.2221	1.8389	25.0610	6.2272	1.7241	7.9513						
2021	40.0494	48.1255	135.7909	0.3948	23.2226	1.6130	24.8356	6.2274	1.5117	7.7392						
2022	39.4272	43.2765	129.3237	0.3947	23.2232	1.4429	24.6661	6.2277	1.3518	7.5795						
Total	212.3301	348.5827	784.7735	2.0440	134.4076	13.1155	146.5192	41.1282	12.1876	52.4344						

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	78.3244	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Energy	0.4137	3.7608	3.1591	0.0226		0.2858	0.2858		0.2858	0.2858						
Mobile	23.1368	59.6997	231.4043	0.5650	35.8049	0.9225	36.7274	9.6022	0.8492	10.4513						
Total	101.8749	63.4640	234.9363	0.5875	35.8049	1.2097	37.0146	9.6022	1.1363	10.7385						

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	73.0876	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Energy	0.2900	2.6360	2.2143	0.0158		0.2003	0.2003		0.2003	0.2003						
Mobile	23.1368	59.6997	231.4043	0.5650	35.8049	0.9225	36.7274	9.6022	0.8492	10.4513						
Total	96.5144	62.3392	233.9915	0.5808	35.8049	1.1242	36.9291	9.6022	1.0508	10.6530						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.26	1.77	0.40	1.15	0.00	7.07	0.23	0.00	7.52	0.80	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	8/24/2017	5	39	
2	Grading	Grading	8/25/2017	1/15/2018	5	102	
3	Paving	Paving	1/16/2018	4/25/2018	5	72	
4	Building Construction	Building Construction	4/26/2018	3/16/2022	5	1015	
5	Architectural Coating	Architectural Coating	5/10/2018	3/30/2022	5	1015	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 118.72

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,247,265; Non-Residential Outdoor: 1,082,422 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	2,914.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,303.00	536.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	261.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4246	0.0000	7.4246	3.4690	0.0000	3.4690						
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518						
Total	6.0991	69.5920	46.8050	0.0617	7.4246	3.3172	10.7417	3.4690	3.0518	6.5208						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3270	1.1293	4.6450	2.6600e-003	0.0550	0.0112	0.0662	0.0150	0.0103	0.0253						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0824	0.1059	1.3209	3.2000e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5300e-003	0.0693						
Total	0.4094	1.2352	5.9659	5.8600e-003	0.3104	0.0129	0.3233	0.0827	0.0118	0.0945						

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4246	0.0000	7.4246	3.4690	0.0000	3.4690						
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518						
Total	6.0991	69.5920	46.8050	0.0617	7.4246	3.3172	10.7417	3.4690	3.0518	6.5208						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3270	1.1293	4.6450	2.6600e-003	0.0550	0.0112	0.0662	0.0150	0.0103	0.0253						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0824	0.1059	1.3209	3.2000e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5300e-003	0.0693						
Total	0.4094	1.2352	5.9659	5.8600e-003	0.3104	0.0129	0.3233	0.0827	0.0118	0.0945						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4246	0.0000	7.4246	3.4690	0.0000	3.4690						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.4246	2.7880	10.2126	3.4690	2.5650	6.0340						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2726	1.0410	4.1305	2.6400e-003	0.3629	0.0109	0.3737	0.0906	9.9600e-003	0.1005						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0734	0.0954	1.1839	3.2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.3460	1.1364	5.3143	5.8400e-003	0.6183	0.0125	0.6308	0.1583	0.0115	0.1698						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4246	0.0000	7.4246	3.4690	0.0000	3.4690						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.4246	2.7880	10.2126	3.4690	2.5650	6.0340						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2726	1.0410	4.1305	2.6400e-003	0.3629	0.0109	0.3737	0.0906	9.9600e-003	0.1005						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0734	0.0954	1.1839	3.2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.3460	1.1364	5.3143	5.8400e-003	0.6183	0.0125	0.6308	0.1583	0.0115	0.1698						

3.4 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						
Paving	0.9992					0.0000	0.0000		0.0000	0.0000						
Total	2.6107	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0551	0.0715	0.8879	2.4000e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						
Total	0.0551	0.0715	0.8879	2.4000e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						

3.4 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						
Paving	0.9992					0.0000	0.0000		0.0000	0.0000						
Total	2.6107	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0551	0.0715	0.8879	2.4000e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						
Total	0.0551	0.0715	0.8879	2.4000e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.9797	36.0850	55.3799	0.1168	3.2447	0.5995	3.8442	0.9294	0.5511	1.4805						
Worker	4.7843	6.2127	77.1301	0.2083	16.6433	0.1056	16.7488	4.4136	0.0976	4.5112						
Total	9.7640	42.2977	132.5100	0.3251	19.8880	0.7050	20.5930	5.3430	0.6487	5.9917						

3.5 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.9797	36.0850	55.3799	0.1168	3.2447	0.5995	3.8442	0.9294	0.5511	1.4805						
Worker	4.7843	6.2127	77.1301	0.2083	16.6433	0.1056	16.7488	4.4136	0.0976	4.5112						
Total	9.7640	42.2977	132.5100	0.3251	19.8880	0.7050	20.5930	5.3430	0.6487	5.9917						

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083						
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.5186	32.7198	51.1809	0.1166	3.2448	0.5527	3.7976	0.9294	0.5083	1.4377						
Worker	4.3405	5.6645	70.1195	0.2074	16.6433	0.1030	16.7463	4.4136	0.0954	4.5091						
Total	8.8590	38.3842	121.3003	0.3240	19.8881	0.6557	20.5438	5.3431	0.6037	5.9468						

3.5 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083						
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.5186	32.7198	51.1809	0.1166	3.2448	0.5527	3.7976	0.9294	0.5083	1.4377						
Worker	4.3405	5.6645	70.1195	0.2074	16.6433	0.1030	16.7463	4.4136	0.0954	4.5091						
Total	8.8590	38.3842	121.3003	0.3240	19.8881	0.6557	20.5438	5.3431	0.6037	5.9468						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.1752	28.1897	49.0140	0.1164	3.2450	0.4925	3.7375	0.9295	0.4530	1.3825						
Worker	4.0058	5.2220	64.6336	0.2074	16.6433	0.1022	16.7454	4.4136	0.0947	4.5084						
Total	8.1810	33.4117	113.6476	0.3238	19.8883	0.5947	20.4830	5.3431	0.5477	5.8908						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.1752	28.1897	49.0140	0.1164	3.2450	0.4925	3.7375	0.9295	0.4530	1.3825						
Worker	4.0058	5.2220	64.6336	0.2074	16.6433	0.1022	16.7454	4.4136	0.0947	4.5084						
Total	8.1810	33.4117	113.6476	0.3238	19.8883	0.5947	20.4830	5.3431	0.5477	5.8908						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	3.7477	23.4016	44.6936	0.1162	3.2456	0.4414	3.6870	0.9297	0.4061	1.3358						
Worker	3.7761	4.8794	60.6029	0.2073	16.6433	0.1021	16.7454	4.4136	0.0947	4.5083						
Total	7.5238	28.2810	105.2965	0.3235	19.8888	0.5435	20.4324	5.3433	0.5008	5.8442						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	3.7477	23.4016	44.6936	0.1162	3.2456	0.4414	3.6870	0.9297	0.4061	1.3358						
Worker	3.7761	4.8794	60.6029	0.2073	16.6433	0.1021	16.7454	4.4136	0.0947	4.5083						
Total	7.5238	28.2810	105.2965	0.3235	19.8888	0.5435	20.4324	5.3433	0.5008	5.8442						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	3.5764	20.8292	42.6989	0.1160	3.2461	0.4326	3.6788	0.9299	0.3980	1.3280						
Worker	3.5740	4.5843	57.0551	0.2073	16.6433	0.1023	16.7456	4.4136	0.0949	4.5085						
Total	7.1503	25.4134	99.7540	0.3234	19.8894	0.5350	20.4244	5.3436	0.4930	5.8365						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	3.5764	20.8292	42.6989	0.1160	3.2461	0.4326	3.6788	0.9299	0.3980	1.3280						
Worker	3.5740	4.5843	57.0551	0.2073	16.6433	0.1023	16.7456	4.4136	0.0949	4.5085						
Total	7.1503	25.4134	99.7540	0.3234	19.8894	0.5350	20.4244	5.3436	0.4930	5.8365						

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						
Total	29.9559	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9583	1.2445	15.4497	0.0417	3.3338	0.0211	3.3549	0.8841	0.0195	0.9036						
Total	0.9583	1.2445	15.4497	0.0417	3.3338	0.0211	3.3549	0.8841	0.0195	0.9036						

3.6 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						
Total	29.9559	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.9583	1.2445	15.4497	0.0417	3.3338	0.0211	3.3549	0.8841	0.0195	0.9036						
Total	0.9583	1.2445	15.4497	0.0417	3.3338	0.0211	3.3549	0.8841	0.0195	0.9036						

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288						
Total	29.9237	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8694	1.1346	14.0454	0.0415	3.3338	0.0206	3.3544	0.8841	0.0191	0.9032						
Total	0.8694	1.1346	14.0454	0.0415	3.3338	0.0206	3.3544	0.8841	0.0191	0.9032						

3.6 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288						
Total	29.9237	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8694	1.1346	14.0454	0.0415	3.3338	0.0206	3.3544	0.8841	0.0191	0.9032						
Total	0.8694	1.1346	14.0454	0.0415	3.3338	0.0206	3.3544	0.8841	0.0191	0.9032						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	29.8995	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8024	1.0460	12.9466	0.0415	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						
Total	0.8024	1.0460	12.9466	0.0415	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	29.8995	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8024	1.0460	12.9466	0.0415	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						
Total	0.8024	1.0460	12.9466	0.0415	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	29.8762	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7564	0.9774	12.1392	0.0415	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						
Total	0.7564	0.9774	12.1392	0.0415	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	29.8762	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7564	0.9774	12.1392	0.0415	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						
Total	0.7564	0.9774	12.1392	0.0415	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	29.8618	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7159	0.9183	11.4285	0.0415	3.3338	0.0205	3.3543	0.8841	0.0190	0.9031						
Total	0.7159	0.9183	11.4285	0.0415	3.3338	0.0205	3.3543	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	29.8618	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7159	0.9183	11.4285	0.0415	3.3338	0.0205	3.3543	0.8841	0.0190	0.9031						
Total	0.7159	0.9183	11.4285	0.0415	3.3338	0.0205	3.3543	0.8841	0.0190	0.9031						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	23.1368	59.6997	231.4043	0.5650	35.8049	0.9225	36.7274	9.6022	0.8492	10.4513						
Unmitigated	23.1368	59.6997	231.4043	0.5650	35.8049	0.9225	36.7274	9.6022	0.8492	10.4513						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	5,790.54	1,356.60	792.54	12,864,936	12,864,936
Total	5,790.54	1,356.60	792.54	12,864,936	12,864,936

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.480041	0.067760	0.152755	0.149009	0.059320	0.006695	0.036232	0.035055	0.000917	0.001890	0.007597	0.000661	0.002068

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2900	2.6360	2.2143	0.0158		0.2003	0.2003		0.2003	0.2003						
NaturalGas Unmitigated	0.4137	3.7608	3.1591	0.0226		0.2858	0.2858		0.2858	0.2858						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Research & Development	38360.4	0.4137	3.7608	3.1591	0.0226		0.2858	0.2858		0.2858	0.2858						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.4137	3.7608	3.1591	0.0226		0.2858	0.2858		0.2858	0.2858						

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	26.8875	0.2900	2.6360	2.2143	0.0158		0.2003	0.2003		0.2003	0.2003						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.2900	2.6360	2.2143	0.0158		0.2003	0.2003		0.2003	0.2003						

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	73.0876	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Unmitigated	78.3244	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.2472					0.0000	0.0000		0.0000	0.0000						
Consumer Products	70.0416					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0356	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Total	78.3244	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	lb/day										lb/day						
Architectural Coating	8.2472					0.0000	0.0000		0.0000	0.0000							
Consumer Products	64.8048					0.0000	0.0000		0.0000	0.0000							
Landscaping	0.0356	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003							
Total	73.0876	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003							

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

MRIC - AQ - Construction of Phase 4
Yolo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	714.00	1000sqft	16.39	714,000.00	0
Other Non-Asphalt Surfaces	32.52	Acre	32.52	1,416,571.20	0
Parking Lot	2,856.00	Space	27.46	1,142,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2018
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - based on phasing plan

Construction Phase - *

On-road Fugitive Dust - all roadways would be paved

Grading - total acres

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Trips and VMT - 34,970 cubic yards exported to off-site location 2 miles away (haul truck capacity = 12 cubic yards) = 2,914 haul truck trips

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	110.00	1,015.00
tblConstructionPhase	NumDays	1,550.00	1,015.00
tblConstructionPhase	NumDays	155.00	102.00
tblConstructionPhase	NumDays	110.00	72.00
tblConstructionPhase	NumDays	60.00	39.00
tblConstructionPhase	PhaseEndDate	2/4/2026	3/30/2022
tblConstructionPhase	PhaseStartDate	3/17/2022	5/10/2018
tblGrading	AcresOfGrading	255.00	118.72
tblGrading	MaterialExported	0.00	34,970.00
tblLandUse	LotAcreage	25.70	27.46
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	VendorPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblOnRoadDust	WorkerPercentPave	94.00	100.00
tblProjectCharacteristics	OperationalYear	2014	2018
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblRoadDust	RoadPercentPave	94	100
tblTripsAndVMT	HaulingTripLength	20.00	2.00
tblTripsAndVMT	HaulingTripNumber	4,371.00	2,914.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.6517	70.9198	56.6032	0.0672	18.2962	3.3304	21.0519	9.9917	3.0639	12.5269						
2018	44.1748	73.0565	201.2777	0.3665	23.2217	2.8008	25.6007	6.2271	2.5767	8.4580						
2019	42.6391	66.1441	187.5777	0.3654	23.2219	2.0975	25.3193	6.2271	1.9666	8.1937						
2020	41.5348	58.5787	177.6359	0.3651	23.2221	1.8452	25.0673	6.2272	1.7299	7.9571						
2021	40.4069	51.0472	167.4563	0.3648	23.2226	1.6186	24.8412	6.2274	1.5169	7.7443						
2022	39.6686	45.9305	157.6430	0.3647	23.2232	1.4482	24.6714	6.2277	1.3567	7.5844						
Total	215.0758	365.6767	948.1939	1.8937	134.4076	13.1407	146.5517	41.1282	12.2107	52.4643						

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	78.3244	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Energy	0.4137	3.7608	3.1591	0.0226		0.2858	0.2858		0.2858	0.2858						
Mobile	22.6995	66.7926	263.8927	0.5178	35.8049	0.9288	36.7337	9.6022	0.8549	10.4571						
Total	101.4375	70.5569	267.4247	0.5404	35.8049	1.2159	37.0208	9.6022	1.1421	10.7443						

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	73.0876	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Energy	0.2900	2.6360	2.2143	0.0158		0.2003	0.2003		0.2003	0.2003						
Mobile	22.6995	66.7926	263.8927	0.5178	35.8049	0.9288	36.7337	9.6022	0.8549	10.4571						
Total	96.0771	69.4321	266.4799	0.5336	35.8049	1.1305	36.9353	9.6022	1.0566	10.6588						

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.28	1.59	0.35	1.25	0.00	7.03	0.23	0.00	7.48	0.80	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	8/24/2017	5	39	
2	Grading	Grading	8/25/2017	1/15/2018	5	102	
3	Paving	Paving	1/16/2018	4/25/2018	5	72	
4	Building Construction	Building Construction	4/26/2018	3/16/2022	5	1015	
5	Architectural Coating	Architectural Coating	5/10/2018	3/30/2022	5	1015	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 118.72

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 3,247,265; Non-Residential Outdoor: 1,082,422 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	2,914.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,303.00	536.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	261.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307						
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339						
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						
Total	0.0651	0.1195	1.0368	2.5400e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624						

3.3 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4246	0.0000	7.4246	3.4690	0.0000	3.4690						
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518						
Total	6.0991	69.5920	46.8050	0.0617	7.4246	3.3172	10.7417	3.4690	3.0518	6.5208						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4802	1.1950	8.6462	2.6700e-003	0.0550	0.0115	0.0665	0.0150	0.0106	0.0256						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0723	0.1327	1.1520	2.8200e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5300e-003	0.0693						
Total	0.5526	1.3278	9.7982	5.4900e-003	0.3104	0.0132	0.3236	0.0827	0.0121	0.0948						

3.3 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4246	0.0000	7.4246	3.4690	0.0000	3.4690						
Off-Road	6.0991	69.5920	46.8050	0.0617		3.3172	3.3172		3.0518	3.0518						
Total	6.0991	69.5920	46.8050	0.0617	7.4246	3.3172	10.7417	3.4690	3.0518	6.5208						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4802	1.1950	8.6462	2.6700e-003	0.0550	0.0115	0.0665	0.0150	0.0106	0.0256						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0723	0.1327	1.1520	2.8200e-003	0.2555	1.6700e-003	0.2571	0.0678	1.5300e-003	0.0693						
Total	0.5526	1.3278	9.7982	5.4900e-003	0.3104	0.0132	0.3236	0.0827	0.0121	0.0948						

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4246	0.0000	7.4246	3.4690	0.0000	3.4690						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.4246	2.7880	10.2126	3.4690	2.5650	6.0340						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3977	1.1012	8.1182	2.6600e-003	0.3629	0.0112	0.3740	0.0906	0.0102	0.1008						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0635	0.1194	1.0212	2.8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.4612	1.2206	9.1393	5.4800e-003	0.6183	0.0128	0.6311	0.1583	0.0117	0.1700						

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4246	0.0000	7.4246	3.4690	0.0000	3.4690						
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650						
Total	5.2895	59.5338	42.3068	0.0617	7.4246	2.7880	10.2126	3.4690	2.5650	6.0340						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3977	1.1012	8.1182	2.6600e-003	0.3629	0.0112	0.3740	0.0906	0.0102	0.1008						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0635	0.1194	1.0212	2.8200e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692						
Total	0.4612	1.2206	9.1393	5.4800e-003	0.6183	0.0128	0.6311	0.1583	0.0117	0.1700						

3.4 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						
Paving	0.9992					0.0000	0.0000		0.0000	0.0000						
Total	2.6107	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0477	0.0895	0.7659	2.1100e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						
Total	0.0477	0.0895	0.7659	2.1100e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						

3.4 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						
Paving	0.9992					0.0000	0.0000		0.0000	0.0000						
Total	2.6107	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.0477	0.0895	0.7659	2.1100e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						
Total	0.0477	0.0895	0.7659	2.1100e-003	0.1916	1.2200e-003	0.1928	0.0508	1.1200e-003	0.0519						

3.5 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.5815	38.4543	102.0348	0.1166	3.2447	0.6074	3.8521	0.9294	0.5584	1.4878						
Worker	4.1395	7.7777	66.5297	0.1835	16.6433	0.1056	16.7488	4.4136	0.0976	4.5112						
Total	10.7210	46.2320	168.5645	0.3000	19.8880	0.7130	20.6010	5.3430	0.6560	5.9990						

3.5 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	6.5815	38.4543	102.0348	0.1166	3.2447	0.6074	3.8521	0.9294	0.5584	1.4878						
Worker	4.1395	7.7777	66.5297	0.1835	16.6433	0.1056	16.7488	4.4136	0.0976	4.5112						
Total	10.7210	46.2320	168.5645	0.3000	19.8880	0.7130	20.6010	5.3430	0.6560	5.9990						

3.5 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083						
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.8971	34.8366	96.6229	0.1163	3.2448	0.5600	3.8049	0.9294	0.5150	1.4444						
Worker	3.7212	7.0874	59.9790	0.1827	16.6433	0.1030	16.7463	4.4136	0.0954	4.5091						
Total	9.6183	41.9240	156.6019	0.2990	19.8881	0.6630	20.5511	5.3431	0.6104	5.9535						

3.5 Building Construction - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083						
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.8971	34.8366	96.6229	0.1163	3.2448	0.5600	3.8049	0.9294	0.5150	1.4444						
Worker	3.7212	7.0874	59.9790	0.1827	16.6433	0.1030	16.7463	4.4136	0.0954	4.5091						
Total	9.6183	41.9240	156.6019	0.2990	19.8881	0.6630	20.5511	5.3431	0.6104	5.9535						

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4181	29.9802	93.0572	0.1162	3.2450	0.4988	3.7439	0.9295	0.4588	1.3883						
Worker	3.4207	6.5239	54.9349	0.1826	16.6433	0.1022	16.7454	4.4136	0.0947	4.5084						
Total	8.8389	36.5042	147.9921	0.2988	19.8883	0.6010	20.4893	5.3431	0.5535	5.8966						

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	5.4181	29.9802	93.0572	0.1162	3.2450	0.4988	3.7439	0.9295	0.4588	1.3883						
Worker	3.4207	6.5239	54.9349	0.1826	16.6433	0.1022	16.7454	4.4136	0.0947	4.5084						
Total	8.8389	36.5042	147.9921	0.2988	19.8883	0.6010	20.4893	5.3431	0.5535	5.8966						

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.7694	24.8703	87.5291	0.1159	3.2456	0.4470	3.6926	0.9297	0.4112	1.3410						
Worker	3.2227	6.0899	51.2969	0.1826	16.6433	0.1021	16.7454	4.4136	0.0947	4.5083						
Total	7.9920	30.9602	138.8260	0.2985	19.8888	0.5491	20.4379	5.3433	0.5060	5.8493						

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.7694	24.8703	87.5291	0.1159	3.2456	0.4470	3.6926	0.9297	0.4112	1.3410						
Worker	3.2227	6.0899	51.2969	0.1826	16.6433	0.1021	16.7454	4.4136	0.0947	4.5083						
Total	7.9920	30.9602	138.8260	0.2985	19.8888	0.5491	20.4379	5.3433	0.5060	5.8493						

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.4479	22.1250	81.7700	0.1157	3.2461	0.4380	3.6841	0.9299	0.4029	1.3329						
Worker	3.0490	5.7157	48.0976	0.1826	16.6433	0.1023	16.7456	4.4136	0.0949	4.5085						
Total	7.4969	27.8407	129.8676	0.2983	19.8894	0.5403	20.4297	5.3436	0.4979	5.8414						

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	4.4479	22.1250	81.7700	0.1157	3.2461	0.4380	3.6841	0.9299	0.4029	1.3329						
Worker	3.0490	5.7157	48.0976	0.1826	16.6433	0.1023	16.7456	4.4136	0.0949	4.5085						
Total	7.4969	27.8407	129.8676	0.2983	19.8894	0.5403	20.4297	5.3436	0.4979	5.8414						

3.6 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						
Total	29.9559	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8292	1.5579	13.3264	0.0368	3.3338	0.0211	3.3549	0.8841	0.0195	0.9036						
Total	0.8292	1.5579	13.3264	0.0368	3.3338	0.0211	3.3549	0.8841	0.0195	0.9036						

3.6 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						
Total	29.9559	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.8292	1.5579	13.3264	0.0368	3.3338	0.0211	3.3549	0.8841	0.0195	0.9036						
Total	0.8292	1.5579	13.3264	0.0368	3.3338	0.0211	3.3549	0.8841	0.0195	0.9036						

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288						
Total	29.9237	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7454	1.4197	12.0142	0.0366	3.3338	0.0206	3.3544	0.8841	0.0191	0.9032						
Total	0.7454	1.4197	12.0142	0.0366	3.3338	0.0206	3.3544	0.8841	0.0191	0.9032						

3.6 Architectural Coating - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288						
Total	29.9237	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.7454	1.4197	12.0142	0.0366	3.3338	0.0206	3.3544	0.8841	0.0191	0.9032						
Total	0.7454	1.4197	12.0142	0.0366	3.3338	0.0206	3.3544	0.8841	0.0191	0.9032						

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	29.8995	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6852	1.3068	11.0039	0.0366	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						
Total	0.6852	1.3068	11.0039	0.0366	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						
Total	29.8995	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6852	1.3068	11.0039	0.0366	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						
Total	0.6852	1.3068	11.0039	0.0366	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	29.8762	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6455	1.2199	10.2751	0.0366	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						
Total	0.6455	1.2199	10.2751	0.0366	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						
Total	29.8762	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6455	1.2199	10.2751	0.0366	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						
Total	0.6455	1.2199	10.2751	0.0366	3.3338	0.0205	3.3542	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	29.8618	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6107	1.1449	9.6343	0.0366	3.3338	0.0205	3.3543	0.8841	0.0190	0.9031						
Total	0.6107	1.1449	9.6343	0.0366	3.3338	0.0205	3.3543	0.8841	0.0190	0.9031						

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	29.6573					0.0000	0.0000		0.0000	0.0000						
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						
Total	29.8618	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817						

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						
Worker	0.6107	1.1449	9.6343	0.0366	3.3338	0.0205	3.3543	0.8841	0.0190	0.9031						
Total	0.6107	1.1449	9.6343	0.0366	3.3338	0.0205	3.3543	0.8841	0.0190	0.9031						

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	22.6995	66.7926	263.8927	0.5178	35.8049	0.9288	36.7337	9.6022	0.8549	10.4571						
Unmitigated	22.6995	66.7926	263.8927	0.5178	35.8049	0.9288	36.7337	9.6022	0.8549	10.4571						

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Research & Development	5,790.54	1,356.60	792.54	12,864,936	12,864,936
Total	5,790.54	1,356.60	792.54	12,864,936	12,864,936

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0
Research & Development	14.70	6.60	6.60	33.00	48.00	19.00	82	15	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.480041	0.067760	0.152755	0.149009	0.059320	0.006695	0.036232	0.035055	0.000917	0.001890	0.007597	0.000661	0.002068

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2900	2.6360	2.2143	0.0158		0.2003	0.2003		0.2003	0.2003						
NaturalGas Unmitigated	0.4137	3.7608	3.1591	0.0226		0.2858	0.2858		0.2858	0.2858						

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Research & Development	38360.4	0.4137	3.7608	3.1591	0.0226		0.2858	0.2858		0.2858	0.2858						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.4137	3.7608	3.1591	0.0226		0.2858	0.2858		0.2858	0.2858						

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Research & Development	26.8875	0.2900	2.6360	2.2143	0.0158		0.2003	0.2003		0.2003	0.2003						
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000						
Total		0.2900	2.6360	2.2143	0.0158		0.2003	0.2003		0.2003	0.2003						

6.0 Area Detail

6.1 Mitigation Measures Area

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	73.0876	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Unmitigated	78.3244	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.2472					0.0000	0.0000		0.0000	0.0000						
Consumer Products	70.0416					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0356	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Total	78.3244	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.2472					0.0000	0.0000		0.0000	0.0000						
Consumer Products	64.8048					0.0000	0.0000		0.0000	0.0000						
Landscaping	0.0356	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						
Total	73.0876	3.4900e-003	0.3729	3.0000e-005		1.3400e-003	1.3400e-003		1.3400e-003	1.3400e-003						

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - Mixed-Use Alternative Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Enclosed Parking with Elevator	5.10	Acre	5.10	222,156.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	850.00	Dwelling Unit	22.37	850,000.00	2431
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0
Parking Lot	34.85	Acre	34.85	1,518,066.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	375.68	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - intensity factor for CO2 modified for PG&E RPS reduction

Land Use - *based on info provided by applicant

Construction Phase - *

Trips and VMT - 12 CY haul trucks would be used; haul site located 2 mi from off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle, with exception of PQP parcel) = 224.42 acres; plus 11 acres for off-site sewer improvements; 80 acres for off-site detention basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	HO_TL	7.90	4.27
tblVehicleTrips	HS_TL	7.10	3.84
tblVehicleTrips	HW_TL	16.80	9.09

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3186	3.3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134	0.0000	248.2873	248.2873	0.0729	0.0000	249.8185
2018	0.7249	7.7687	6.2476	8.5100e-003	2.7838	0.3611	3.1449	1.4322	0.3322	1.7644	0.0000	767.2304	767.2304	0.2241	0.0000	771.9356
2019	0.4982	5.0581	4.3743	6.4800e-003	1.4253	0.2372	1.6624	0.6864	0.2182	0.9046	0.0000	573.2409	573.2409	0.1702	0.0000	576.8148
2020	1.4335	4.7114	11.8914	0.0293	1.7608	0.1620	1.9228	0.4729	0.1504	0.6233	0.0000	2,124.4465	2,124.4465	0.1361	0.0000	2,127.3037

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	3.8099	8.9760	29.4207	0.0807	5.2021	0.2561	5.4582	1.3969	0.2394	1.6363	0.0000	5,704.4066	5,704.4066	0.2315	0.0000	5,709.2672
2022	3.6755	8.0499	27.7117	0.0803	5.1823	0.2324	5.4147	1.3916	0.2171	1.6087	0.0000	5,629.0985	5,629.0985	0.2242	0.0000	5,633.8065
2023	3.5123	7.3271	25.6116	0.0803	5.1824	0.2113	5.3936	1.3917	0.1972	1.5889	0.0000	5,579.4739	5,579.4739	0.2174	0.0000	5,584.0402
2024	3.4737	7.1342	24.9507	0.0809	5.2224	0.2007	5.4231	1.4024	0.1872	1.5896	0.0000	5,581.0542	5,581.0542	0.2141	0.0000	5,585.5505
2025	3.3915	6.8682	23.9188	0.0806	5.2026	0.1879	5.3905	1.3971	0.1751	1.5722	0.0000	5,523.4934	5,523.4934	0.2091	0.0000	5,527.8835
2026	3.3565	6.7739	23.3563	0.0806	5.2026	0.1881	5.3907	1.3972	0.1752	1.5724	0.0000	5,492.2642	5,492.2642	0.2058	0.0000	5,496.5867
2027	3.3321	6.6987	22.9221	0.0806	5.2027	0.1884	5.3911	1.3972	0.1755	1.5727	0.0000	5,465.1998	5,465.1998	0.2030	0.0000	5,469.4620
2028	3.2939	6.6035	22.4312	0.0803	5.1829	0.1878	5.3707	1.3919	0.1750	1.5668	0.0000	5,421.0255	5,421.0255	0.1996	0.0000	5,425.2169
2029	3.2821	6.5660	22.1457	0.0806	5.2029	0.1887	5.3915	1.3972	0.1758	1.5730	0.0000	5,421.8202	5,421.8202	0.1978	0.0000	5,425.9749
2030	3.2369	5.8794	21.7710	0.0811	5.2029	0.1354	5.3383	1.3973	0.1266	1.5238	0.0000	5,444.9003	5,444.9003	0.1381	0.0000	5,447.8005
2031	3.2200	5.8295	21.5160	0.0811	5.2030	0.1355	5.3385	1.3973	0.1267	1.5239	0.0000	5,430.8416	5,430.8416	0.1360	0.0000	5,433.6980
2032	3.2167	5.8089	21.3755	0.0814	5.2230	0.1361	5.3591	1.4027	0.1272	1.5299	0.0000	5,439.9432	5,439.9432	0.1347	0.0000	5,442.7717
2033	3.1750	5.7253	21.0196	0.0808	5.1832	0.1351	5.3183	1.3920	0.1262	1.5182	0.0000	5,388.7936	5,388.7936	0.1321	0.0000	5,391.5680
2034	3.1571	5.6924	20.8415	0.0808	5.1833	0.1350	5.3183	1.3920	0.1262	1.5182	0.0000	5,380.6867	5,380.6867	0.1307	0.0000	5,383.4304
2035	1.5151	2.5721	9.6087	0.0377	2.4214	0.0584	2.4799	0.6502	0.0544	0.7046	0.0000	2,500.8079	2,500.8079	0.0599	0.0000	2,502.0656
Total	51.6235	117.4143	363.7412	1.2147	82.5389	3.5161	86.0550	23.5347	3.2701	26.8049	0.0000	83,117.0149	83,117.0149	3.2372	0.0000	83,184.9952

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.3186	3 3709	2.6268	2.7100e-003	1.3694	0.1791	1.5486	0.7487	0.1648	0.9134	0.0000	248.2871	248.2871	0.0729	0.0000	249.8182
2018	0.7249	7.7687	6.2476	8.5100e-003	2.7838	0.3611	3.1449	1.4322	0.3322	1.7644	0.0000	767.2295	767.2295	0.2241	0.0000	771.9348
2019	0.4982	5.0581	4.3743	6.4800e-003	1.4253	0.2372	1.6624	0.6864	0.2182	0.9046	0.0000	573.2403	573.2403	0.1702	0.0000	576.8142
2020	1.4335	4.7114	11.8914	0.0293	1.7608	0.1620	1.9228	0.4729	0.1504	0.6233	0.0000	2,124.446 1	2,124.446 1	0.1361	0.0000	2,127.303 3
2021	3.8099	8 9760	29.4207	0.0807	5.2021	0.2561	5.4582	1.3969	0.2394	1.6363	0.0000	5,704.406 2	5,704.406 2	0.2315	0.0000	5,709.266 8
2022	3.6755	8.0499	27.7117	0.0803	5.1823	0.2324	5.4147	1.3916	0.2171	1.6087	0.0000	5,629.098 2	5,629.098 2	0.2242	0.0000	5,633.806 1
2023	3.5123	7 3271	25.6116	0.0803	5.1824	0.2113	5.3936	1.3917	0.1972	1.5889	0.0000	5,579.473 5	5,579.473 5	0.2174	0.0000	5,584.039 8
2024	3.4737	7.1342	24.9507	0.0809	5.2224	0.2007	5.4231	1.4024	0.1872	1.5896	0.0000	5,581.053 8	5,581.053 8	0.2141	0.0000	5,585.550 1
2025	3.3915	6 8682	23.9188	0.0806	5.2026	0.1879	5.3905	1.3971	0.1751	1.5722	0.0000	5,523.493 0	5,523.493 0	0.2091	0.0000	5,527.883 1
2026	3.3565	6.7738	23.3563	0.0806	5.2026	0.1881	5.3907	1.3972	0.1752	1.5724	0.0000	5,492.263 8	5,492.263 8	0.2058	0.0000	5,496.586 3
2027	3.3321	6.6987	22.9221	0.0806	5.2027	0.1884	5.3911	1.3972	0.1755	1.5727	0.0000	5,465.199 4	5,465.199 4	0.2030	0.0000	5,469.461 6
2028	3.2939	6.6035	22.4312	0.0803	5.1829	0.1878	5.3707	1.3919	0.1750	1.5668	0.0000	5,421.025 1	5,421.025 1	0.1996	0.0000	5,425.216 5
2029	3.2821	6 5660	22.1457	0.0806	5.2029	0.1887	5.3915	1.3972	0.1758	1.5730	0.0000	5,421.819 8	5,421.819 8	0.1978	0.0000	5,425.974 5
2030	3.2369	5 8793	21.7710	0.0811	5.2029	0.1354	5.3383	1.3973	0.1266	1.5238	0.0000	5,444.899 9	5,444.899 9	0.1381	0.0000	5,447.800 0
2031	3.2200	5 8295	21.5160	0.0811	5.2030	0.1355	5.3385	1.3973	0.1267	1.5239	0.0000	5,430.841 2	5,430.841 2	0.1360	0.0000	5,433.697 6
2032	3.2167	5 8089	21.3755	0.0814	5.2230	0.1361	5.3591	1.4027	0.1272	1.5299	0.0000	5,439.942 7	5,439.942 7	0.1347	0.0000	5,442.771 3
2033	3.1750	5.7253	21.0196	0.0808	5.1832	0.1351	5.3183	1.3920	0.1262	1.5182	0.0000	5,388.793 2	5,388.793 2	0.1321	0.0000	5,391.567 5
2034	3.1571	5.6924	20.8414	0.0808	5.1833	0.1350	5.3183	1.3920	0.1262	1.5182	0.0000	5,380.686 3	5,380.686 3	0.1307	0.0000	5,383.429 9

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2035	1.5151	2.5721	9.6087	0.0377	2.4214	0.0584	2.4799	0.6502	0.0544	0.7046	0.0000	2,500.8077	2,500.8077	0.0599	0.0000	2,502.0654
Total	51.6235	117.4142	363.7411	1.2147	82.5389	3.5161	86.0550	23.5347	3.2701	26.8049	0.0000	83,117.0067	83,117.0067	3.2372	0.0000	83,184.9870

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	102.9309	1.1480	103.8314	0.0391		13.7286	13.7286		13.7283	13.7283	1,305.1248	378.5850	1,683.7098	1.2297	0.0990	1,740.2292
Energy	0.3450	3.1117	2.4519	0.0188		0.2384	0.2384		0.2384	0.2384	0.0000	8,823.7890	8,823.7890	0.4830	0.1490	8,880.1193
Mobile	8.1235	15.2402	74.2773	0.2279	14.4899	0.3310	14.8209	3.8987	0.3054	4.2041	0.0000	15,183.8669	15,183.8669	0.3585	0.0000	15,191.3956
Waste						0.0000	0.0000		0.0000	0.0000	369.2304	0.0000	369.2304	21.8209	0.0000	827.4692
Water						0.0000	0.0000		0.0000	0.0000	329.2805	981.4832	1,310.7637	33.8960	0.8143	2,274.9962
Total	111.3994	19.4999	180.5605	0.2858	14.4899	14.2980	28.7879	3.8987	14.2721	18.1708	2,003.6357	25,367.7241	27,371.3598	57.7881	1.0623	28,914.2094

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	22.4322	0.0728	6.3177	3.4000e-004		0.0772	0.0772		0.0767	0.0767	0.0000	612.9108	612.9108	0.0215	0.0111	616.7866
Energy	0.2443	2.2020	1.7280	0.0133		0.1688	0.1688		0.1688	0.1688	0.0000	4,938.9251	4,938.9251	0.2410	0.0846	4,970.2086
Mobile	8.1235	15.2402	74.2773	0.2279	14.4899	0.3310	14.8209	3.8987	0.3054	4.2041	0.0000	15,183.8669	15,183.8669	0.3585	0.0000	15,191.3956
Waste						0.0000	0.0000		0.0000	0.0000	369.2304	0.0000	369.2304	21.8209	0.0000	827.4692
Water						0.0000	0.0000		0.0000	0.0000	230.4963	638.4252	868.9216	23.7235	0.5692	1,543.5648
Total	30.8000	17.5150	82.3229	0.2416	14.4899	0.5770	15.0669	3.8987	0.5509	4.4496	599.7267	21,374.1281	21,973.8548	46.1653	0.6648	23,149.4247

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	72.35	10.18	54.41	15.48	0.00	95.96	47.66	0.00	96.14	75.51	70.07	15.74	19.72	20.11	37.41	19.94

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

**Residential Indoor: 1,721,250; Residential Outdoor: 573,750; Non-Residential Indoor: 4,615,035; Non-Residential Outdoor: 1,538,345
 (Architectural Coating – sqft)**

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,355.00	836.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	471.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3145	3.3640	2.5608	2.5400e-003		0.1790	0.1790		0.1647	0.1647	0.0000	236.0500	236.0500	0.0723	0.0000	237.5688
Total	0.3145	3.3640	2.5608	2.5400e-003	1.3550	0.1790	1.5340	0.7448	0.1647	0.9095	0.0000	236.0500	236.0500	0.0723	0.0000	237.5688

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003	0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003	0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3145	3.3640	2.5608	2.5400e-003		0.1790	0.1790		0.1647	0.1647	0.0000	236.0497	236.0497	0.0723	0.0000	237.5686
Total	0.3145	3.3640	2.5608	2.5400e-003	1.3550	0.1790	1.5340	0.7448	0.1647	0.9095	0.0000	236.0497	236.0497	0.0723	0.0000	237.5686

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003	0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497
Total	4.0800e-003	6.9000e-003	0.0660	1.7000e-004	0.0145	1.0000e-004	0.0146	3.8500e-003	9.0000e-005	3.9300e-003	0.0000	12.2373	12.2373	5.9000e-004	0.0000	12.2497

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0429	0.4561	0.3624	3.9000e-004		0.0237	0.0237		0.0218	0.0218	0.0000	35.7410	35.7410	0.0111	0.0000	35.9747
Total	0.0429	0.4561	0.3624	3.9000e-004	1.3550	0.0237	1.3786	0.7448	0.0218	0.7666	0.0000	35.7410	35.7410	0.0111	0.0000	35.9747

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3550	0.0000	1.3550	0.7448	0.0000	0.7448	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0429	0.4561	0.3624	3.9000e-004		0.0237	0.0237		0.0218	0.0218	0.0000	35.7410	35.7410	0.0111	0.0000	35.9746
Total	0.0429	0.4561	0.3624	3.9000e-004	1.3550	0.0237	1.3786	0.7448	0.0218	0.7666	0.0000	35.7410	35.7410	0.0111	0.0000	35.9746

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139
Total	5.5000e-004	9.5000e-004	9.0600e-003	3.0000e-005	2.2300e-003	1.0000e-005	2.2400e-003	5.9000e-004	1.0000e-005	6.1000e-004	0.0000	1.8122	1.8122	8.0000e-005	0.0000	1.8139

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091	0.0000	679.1574	679.1574	0.2114	0.0000	683.5975
Total	0.6374	7.1738	5.0980	7.4400e-003	1.3885	0.3360	1.7245	0.6767	0.3091	0.9857	0.0000	679.1574	679.1574	0.2114	0.0000	683.5975

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0367	0.1251	0.6570	3.1000e-004	8.3600e-003	1.2700e-003	9.6300e-003	2.2200e-003	1.1700e-003	3.3900e-003	0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4200e-003	0.0128	0.1213	3.5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003	0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total	0.0441	0.1379	0.7782	6.6000e-004	0.0382	1.4700e-003	0.0396	0.0101	1.3500e-003	0.0115	0.0000	50.5197	50.5197	1.4200e-003	0.0000	50.5495

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.6374	7.1738	5.0980	7.4400e-003		0.3360	0.3360		0.3091	0.3091	0.0000	679.1566	679.1566	0.2114	0.0000	683.5967
Total	0.6374	7.1738	5.0980	7.4400e-003	1.3885	0.3360	1.7245	0.6767	0.3091	0.9857	0.0000	679.1566	679.1566	0.2114	0.0000	683.5967

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0367	0.1251	0.6570	3.1000e-004	8.3600e-003	1.2700e-003	9.6300e-003	2.2200e-003	1.1700e-003	3.3900e-003	0.0000	26.2566	26.2566	3.1000e-004	0.0000	26.2630
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4200e-003	0.0128	0.1213	3.5000e-004	0.0298	2.0000e-004	0.0300	7.9200e-003	1.8000e-004	8.1000e-003	0.0000	24.2632	24.2632	1.1100e-003	0.0000	24.2865
Total	0.0441	0.1379	0.7782	6.6000e-004	0.0382	1.4700e-003	0.0396	0.0101	1.3500e-003	0.0115	0.0000	50.5197	50.5197	1.4200e-003	0.0000	50.5495

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775	0.0000	426.8949	426.8949	0.1351	0.0000	429.7312
Total	0.3766	4.1732	3.1022	4.7500e-003	1.3885	0.1929	1.5814	0.6767	0.1775	0.8541	0.0000	426.8949	426.8949	0.1351	0.0000	429.7312

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0210	0.0745	0.3968	1.9000e-004	7.8300e-003	7.9000e-004	8.6200e-003	2.0300e-003	7.2000e-004	2.7600e-003	0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2800e-003	7.4400e-003	0.0702	2.2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003	0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total	0.0253	0.0819	0.4670	4.1000e-004	0.0269	9.1000e-004	0.0278	7.0900e-003	8.3000e-004	7.9300e-003	0.0000	31.3740	31.3740	8.6000e-004	0.0000	31.3919

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.3885	0.0000	1.3885	0.6767	0.0000	0.6767	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3766	4.1732	3.1022	4.7500e-003		0.1929	0.1929		0.1775	0.1775	0.0000	426.8944	426.8944	0.1351	0.0000	429.7307
Total	0.3766	4.1732	3.1022	4.7500e-003	1.3885	0.1929	1.5814	0.6767	0.1775	0.8541	0.0000	426.8944	426.8944	0.1351	0.0000	429.7307

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0210	0.0745	0.3968	1.9000e-004	7.8300e-003	7.9000e-004	8.6200e-003	2.0300e-003	7.2000e-004	2.7600e-003	0.0000	16.4806	16.4806	2.0000e-004	0.0000	16.4847
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2800e-003	7.4400e-003	0.0702	2.2000e-004	0.0190	1.2000e-004	0.0192	5.0600e-003	1.1000e-004	5.1700e-003	0.0000	14.8934	14.8934	6.6000e-004	0.0000	14.9072
Total	0.0253	0.0819	0.4670	4.1000e-004	0.0269	9.1000e-004	0.0278	7.0900e-003	8.3000e-004	7.9300e-003	0.0000	31.3740	31.3740	8.6000e-004	0.0000	31.3919

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398	0.0000	107.2112	107.2112	0.0339	0.0000	107.9235
Paving	0.0178					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0940	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398	0.0000	107.2112	107.2112	0.0339	0.0000	107.9235

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003	0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003	0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0763	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398	0.0000	107.2110	107.2110	0.0339	0.0000	107.9234
Paving	0.0178					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0940	0.7990	0.7685	1.1900e-003		0.0433	0.0433		0.0398	0.0398	0.0000	107.2110	107.2110	0.0339	0.0000	107.9234

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003	0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682
Total	2.2300e-003	3.8800e-003	0.0366	1.2000e-004	9.9200e-003	6.0000e-005	9.9800e-003	2.6400e-003	6.0000e-005	2.7000e-003	0.0000	7.7610	7.7610	3.4000e-004	0.0000	7.7682

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1151	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	169.5578	169.5578	0.0548	0.0000	170.7094
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1437	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	169.5578	169.5578	0.0548	0.0000	170.7094

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1151	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	169.5576	169.5576	0.0548	0.0000	170.7092
Paving	0.0287					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1437	1.1924	1.2415	1.9300e-003		0.0639	0.0639		0.0588	0.0588	0.0000	169.5576	169.5576	0.0548	0.0000	170.7092

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614
Total	3.3300e-003	5.7700e-003	0.0544	1.9000e-004	0.0160	1.0000e-004	0.0161	4.2600e-003	9.0000e-005	4.3600e-003	0.0000	12.0504	12.0504	5.2000e-004	0.0000	12.0614

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466	0.0000	102.6392	102.6392	0.0250	0.0000	103.1643
Total	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466	0.0000	102.6392	102.6392	0.0250	0.0000	103.1643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3200	2.0485	4.6060	8.0700e-003	0.2192	0.0344	0.2536	0.0630	0.0316	0.0947	0.0000	684.0298	684.0298	5.1300e-003	0.0000	684.1375
Worker	0.2686	0.4663	4.3899	0.0151	1.2955	8.2200e-003	1.3038	0.3444	7.6200e-003	0.3520	0.0000	973.2965	973.2965	0.0423	0.0000	974.1842
Total	0.5886	2.5147	8.9959	0.0232	1.5148	0.0426	1.5573	0.4075	0.0392	0.4467	0.0000	1,657.3263	1,657.3263	0.0474	0.0000	1,658.3217

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466	0.0000	102.6391	102.6391	0.0250	0.0000	103.1642
Total	0.0940	0.8492	0.7480	1.1900e-003		0.0495	0.0495		0.0466	0.0466	0.0000	102.6391	102.6391	0.0250	0.0000	103.1642

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.3200	2.0485	4.6060	8.0700e-003	0.2192	0.0344	0.2536	0.0630	0.0316	0.0947	0.0000	684.0298	684.0298	5.1300e-003	0.0000	684.1375
Worker	0.2686	0.4663	4.3899	0.0151	1.2955	8.2200e-003	1.3038	0.3444	7.6200e-003	0.3520	0.0000	973.2965	973.2965	0.0423	0.0000	974.1842
Total	0.5886	2.5147	8.9959	0.0232	1.5148	0.0426	1.5573	0.4075	0.0392	0.4467	0.0000	1,657.3263	1,657.3263	0.0474	0.0000	1,658.3217

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0339	301.0339	0.0725	0.0000	302.5568

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.8369	4.9817	12.5704	0.0236	0.6430	0.0903	0.7333	0.1849	0.0831	0.2680	0.0000	2,002.7826	2,002.7826	0.0149	0.0000	2,003.0953
Worker	0.7428	1.2768	12.0458	0.0443	3.7993	0.0241	3.8234	1.0100	0.0223	1.0324	0.0000	2,806.0585	2,806.0585	0.1181	0.0000	2,808.5393
Total	1.5798	6.2585	24.6162	0.0679	4.4423	0.1144	4.5567	1.1949	0.1054	1.3004	0.0000	4,808.8411	4,808.8411	0.1330	0.0000	4,811.6346

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565
Total	0.2471	2.2629	2.1582	3.5000e-003		0.1246	0.1246		0.1172	0.1172	0.0000	301.0335	301.0335	0.0725	0.0000	302.5565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.8369	4.9817	12.5704	0.0236	0.6430	0.0903	0.7333	0.1849	0.0831	0.2680	0.0000	2,002.7826	2,002.7826	0.0149	0.0000	2,003.0953
Worker	0.7428	1.2768	12.0458	0.0443	3.7993	0.0241	3.8234	1.0100	0.0223	1.0324	0.0000	2,806.0585	2,806.0585	0.1181	0.0000	2,808.5393
Total	1.5798	6.2585	24.6162	0.0679	4.4423	0.1144	4.5567	1.1949	0.1054	1.3004	0.0000	4,808.8411	4,808.8411	0.1330	0.0000	4,811.6346

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9946	299.9946	0.0718	0.0000	301.5017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7881	4.4142	11.8242	0.0235	0.6407	0.0882	0.7288	0.1843	0.0811	0.2654	0.0000	1,993.7106	1,993.7106	0.0150	0.0000	1,994.0265
Worker	0.7007	1.1941	11.2743	0.0441	3.7847	0.0240	3.8088	1.0062	0.0223	1.0285	0.0000	2,751.8342	2,751.8342	0.1127	0.0000	2,754.2006
Total	1.4888	5.6083	23.0985	0.0676	4.4254	0.1122	4.5376	1.1904	0.1034	1.2938	0.0000	4,745.5448	4,745.5448	0.1277	0.0000	4,748.2270

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013
Total	0.2209	2.0197	2.1226	3.4900e-003		0.1047	0.1047		0.0986	0.0986	0.0000	299.9943	299.9943	0.0718	0.0000	301.5013

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.7881	4.4142	11.8242	0.0235	0.6407	0.0882	0.7288	0.1843	0.0811	0.2654	0.0000	1,993.7106	1,993.7106	0.0150	0.0000	1,994.0265
Worker	0.7007	1.1941	11.2743	0.0441	3.7847	0.0240	3.8088	1.0062	0.0223	1.0285	0.0000	2,751.8342	2,751.8342	0.1127	0.0000	2,754.2006
Total	1.4888	5.6083	23.0985	0.0676	4.4254	0.1122	4.5376	1.1904	0.1034	1.2938	0.0000	4,745.5448	4,745.5448	0.1277	0.0000	4,748.2270

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0980	300.0980	0.0713	0.0000	301.5949

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6876	3.9470	10.5380	0.0234	0.6407	0.0826	0.7233	0.1843	0.0760	0.2602	0.0000	1,991.0711	1,991.0711	0.0142	0.0000	1,991.3702
Worker	0.6643	1.1251	10.6092	0.0441	3.7847	0.0241	3.8088	1.0062	0.0224	1.0285	0.0000	2,712.5938	2,712.5938	0.1083	0.0000	2,714.8676
Total	1.3518	5.0721	21.1471	0.0676	4.4254	0.1067	4.5321	1.1904	0.0983	1.2887	0.0000	4,703.6649	4,703.6649	0.1225	0.0000	4,706.2378

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946
Total	0.2036	1.8606	2.1072	3.4900e-003		0.0906	0.0906		0.0852	0.0852	0.0000	300.0976	300.0976	0.0713	0.0000	301.5946

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6876	3.9470	10.5380	0.0234	0.6407	0.0826	0.7233	0.1843	0.0760	0.2602	0.0000	1,991.0711	1,991.0711	0.0142	0.0000	1,991.3702
Worker	0.6643	1.1251	10.6092	0.0441	3.7847	0.0241	3.8088	1.0062	0.0224	1.0285	0.0000	2,712.5938	2,712.5938	0.1083	0.0000	2,714.8676
Total	1.3518	5.0721	21.1471	0.0676	4.4254	0.1067	4.5321	1.1904	0.0983	1.2887	0.0000	4,703.6649	4,703.6649	0.1225	0.0000	4,706.2378

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4646	302.4646	0.0714	0.0000	303.9643

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6798	3.9321	10.4112	0.0236	0.6458	0.0835	0.7293	0.1858	0.0768	0.2626	0.0000	2,007.1046	2,007.1046	0.0144	0.0000	2,007.4069
Worker	0.6378	1.0750	10.1575	0.0445	3.8138	0.0244	3.8382	1.0139	0.0226	1.0365	0.0000	2,698.3646	2,698.3646	0.1053	0.0000	2,700.5767
Total	1.3176	5.0071	20.5687	0.0681	4.4596	0.1079	4.5675	1.1996	0.0994	1.2991	0.0000	4,705.4691	4,705.4691	0.1197	0.0000	4,707.9837

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639
Total	0.1920	1.7524	2.1135	3.5200e-003		0.0800	0.0800		0.0752	0.0752	0.0000	302.4642	302.4642	0.0714	0.0000	303.9639

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6798	3.9321	10.4112	0.0236	0.6458	0.0835	0.7293	0.1858	0.0768	0.2626	0.0000	2,007.1046	2,007.1046	0.0144	0.0000	2,007.4069
Worker	0.6378	1.0750	10.1575	0.0445	3.8138	0.0244	3.8382	1.0139	0.0226	1.0365	0.0000	2,698.3646	2,698.3646	0.1053	0.0000	2,700.5767
Total	1.3176	5.0071	20.5687	0.0681	4.4596	0.1079	4.5675	1.1996	0.0994	1.2991	0.0000	4,705.4691	4,705.4691	0.1197	0.0000	4,707.9837

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6550	3.8736	9.9746	0.0235	0.6434	0.0833	0.7268	0.1851	0.0767	0.2618	0.0000	1,999.9512	1,999.9512	0.0144	0.0000	2,000.2533
Worker	0.6087	1.0214	9.6778	0.0443	3.7993	0.0244	3.8237	1.0100	0.0227	1.0327	0.0000	2,657.3503	2,657.3503	0.1018	0.0000	2,659.4872
Total	1.2638	4.8950	19.6524	0.0678	4.4427	0.1078	4.5505	1.1951	0.0993	1.2945	0.0000	4,657.3015	4,657.3015	0.1161	0.0000	4,659.7405

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6550	3.8736	9.9746	0.0235	0.6434	0.0833	0.7268	0.1851	0.0767	0.2618	0.0000	1,999.9512	1,999.9512	0.0144	0.0000	2,000.2533
Worker	0.6087	1.0214	9.6778	0.0443	3.7993	0.0244	3.8237	1.0100	0.0227	1.0327	0.0000	2,657.3503	2,657.3503	0.1018	0.0000	2,659.4872
Total	1.2638	4.8950	19.6524	0.0678	4.4427	0.1078	4.5505	1.1951	0.0993	1.2945	0.0000	4,657.3015	4,657.3015	0.1161	0.0000	4,659.7405

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6483	3.8292	9.8528	0.0235	0.6435	0.0833	0.7268	0.1851	0.0766	0.2617	0.0000	2,000.4588	2,000.4588	0.0144	0.0000	2,000.7611
Worker	0.5852	0.9798	9.3105	0.0443	3.7993	0.0246	3.8239	1.0100	0.0229	1.0329	0.0000	2,630.9029	2,630.9029	0.0991	0.0000	2,632.9834
Total	1.2335	4.8090	19.1634	0.0678	4.4428	0.1079	4.5507	1.1951	0.0995	1.2946	0.0000	4,631.3617	4,631.3617	0.1135	0.0000	4,633.7445

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6483	3.8292	9.8528	0.0235	0.6435	0.0833	0.7268	0.1851	0.0766	0.2617	0.0000	2,000.4588	2,000.4588	0.0144	0.0000	2,000.7611
Worker	0.5852	0.9798	9.3105	0.0443	3.7993	0.0246	3.8239	1.0100	0.0229	1.0329	0.0000	2,630.9029	2,630.9029	0.0991	0.0000	2,632.9834
Total	1.2335	4.8090	19.1634	0.0678	4.4428	0.1079	4.5507	1.1951	0.0995	1.2946	0.0000	4,631.3617	4,631.3617	0.1135	0.0000	4,633.7445

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6503	3.7989	9.8099	0.0235	0.6436	0.0834	0.7269	0.1852	0.0767	0.2618	0.0000	2,001.0067	2,001.0067	0.0144	0.0000	2,001.3095
Worker	0.5632	0.9424	8.9844	0.0443	3.7993	0.0248	3.8241	1.0100	0.0230	1.0331	0.0000	2,607.8927	2,607.8927	0.0967	0.0000	2,609.9225
Total	1.2135	4.7413	18.7944	0.0678	4.4429	0.1082	4.5510	1.1952	0.0997	1.2949	0.0000	4,608.8994	4,608.8994	0.1111	0.0000	4,611.2320

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6503	3.7989	9.8099	0.0235	0.6436	0.0834	0.7269	0.1852	0.0767	0.2618	0.0000	2,001.0067	2,001.0067	0.0144	0.0000	2,001.3095
Worker	0.5632	0.9424	8.9844	0.0443	3.7993	0.0248	3.8241	1.0100	0.0230	1.0331	0.0000	2,607.8927	2,607.8927	0.0967	0.0000	2,609.9225
Total	1.2135	4.7413	18.7944	0.0678	4.4429	0.1082	4.5510	1.1952	0.0997	1.2949	0.0000	4,608.8994	4,608.8994	0.1111	0.0000	4,611.2320

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2471	300.2471	0.0705	0.0000	301.7269

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6468	3.7556	9.7141	0.0235	0.6412	0.0830	0.7242	0.1845	0.0764	0.2609	0.0000	1,993.7910	1,993.7910	0.0144	0.0000	1,994.0929
Worker	0.5407	0.9048	8.6627	0.0441	3.7847	0.0249	3.8096	1.0062	0.0231	1.0292	0.0000	2,578.1626	2,578.1626	0.0941	0.0000	2,580.1389
Total	1.1875	4.6604	18.3767	0.0676	4.4259	0.1079	4.5338	1.1906	0.0995	1.2901	0.0000	4,571.9536	4,571.9536	0.1085	0.0000	4,574.2318

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266
Total	0.1770	1.6133	2.0867	3.4900e-003		0.0683	0.0683		0.0642	0.0642	0.0000	300.2467	300.2467	0.0705	0.0000	301.7266

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6468	3.7556	9.7141	0.0235	0.6412	0.0830	0.7242	0.1845	0.0764	0.2609	0.0000	1,993.7910	1,993.7910	0.0144	0.0000	1,994.0929
Worker	0.5407	0.9048	8.6627	0.0441	3.7847	0.0249	3.8096	1.0062	0.0231	1.0292	0.0000	2,578.1626	2,578.1626	0.0941	0.0000	2,580.1389
Total	1.1875	4.6604	18.3767	0.0676	4.4259	0.1079	4.5338	1.1906	0.0995	1.2901	0.0000	4,571.9536	4,571.9536	0.1085	0.0000	4,574.2318

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4019	301.4019	0.0707	0.0000	302.8874

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6490	3.7469	9.7143	0.0236	0.6437	0.0833	0.7271	0.1852	0.0767	0.2619	0.0000	2,001.8424	2,001.8424	0.0144	0.0000	2,002.1456
Worker	0.5226	0.8752	8.4172	0.0443	3.7993	0.0251	3.8244	1.0100	0.0233	1.0333	0.0000	2,571.0467	2,571.0467	0.0924	0.0000	2,572.9864
Total	1.1716	4.6220	18.1315	0.0678	4.4430	0.1084	4.5514	1.1952	0.0999	1.2952	0.0000	4,572.8891	4,572.8891	0.1068	0.0000	4,575.1321

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871
Total	0.1777	1.6195	2.0948	3.5000e-003		0.0685	0.0685		0.0645	0.0645	0.0000	301.4015	301.4015	0.0707	0.0000	302.8871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6490	3.7469	9.7143	0.0236	0.6437	0.0833	0.7271	0.1852	0.0767	0.2619	0.0000	2,001.8424	2,001.8424	0.0144	0.0000	2,002.1456
Worker	0.5226	0.8752	8.4172	0.0443	3.7993	0.0251	3.8244	1.0100	0.0233	1.0333	0.0000	2,571.0467	2,571.0467	0.0924	0.0000	2,572.9864
Total	1.1716	4.6220	18.1315	0.0678	4.4430	0.1084	4.5514	1.1952	0.0999	1.2952	0.0000	4,572.8891	4,572.8891	0.1068	0.0000	4,575.1321

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6386	3.7188	9.6066	0.0236	0.6438	0.0833	0.7271	0.1852	0.0766	0.2619	0.0000	2,002.0523	2,002.0523	0.0145	0.0000	2,002.3557
Worker	0.5043	0.8462	8.1872	0.0443	3.7993	0.0252	3.8245	1.0100	0.0234	1.0334	0.0000	2,556.6666	2,556.6666	0.0905	0.0000	2,558.5670
Total	1.1429	4.5651	17.7938	0.0678	4.4431	0.1085	4.5515	1.1953	0.1000	1.2952	0.0000	4,558.7189	4,558.7189	0.1050	0.0000	4,560.9228

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6386	3.7188	9.6066	0.0236	0.6438	0.0833	0.7271	0.1852	0.0766	0.2619	0.0000	2,002.0523	2,002.0523	0.0145	0.0000	2,002.3557
Worker	0.5043	0.8462	8.1872	0.0443	3.7993	0.0252	3.8245	1.0100	0.0234	1.0334	0.0000	2,556.6666	2,556.6666	0.0905	0.0000	2,558.5670
Total	1.1429	4.5651	17.7938	0.0678	4.4431	0.1085	4.5515	1.1953	0.1000	1.2952	0.0000	4,558.7189	4,558.7189	0.1050	0.0000	4,560.9228

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5281	341.5281	0.0137	0.0000	341.8160

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6427	3.7023	9.6080	0.0236	0.6439	0.0833	0.7272	0.1853	0.0767	0.2619	0.0000	2,002.5152	2,002.5152	0.0145	0.0000	2,002.8188
Worker	0.4868	0.8185	7.9736	0.0443	3.7993	0.0252	3.8245	1.0100	0.0234	1.0334	0.0000	2,544.5653	2,544.5653	0.0888	0.0000	2,546.4291
Total	1.1294	4.5208	17.5816	0.0679	4.4431	0.1085	4.5517	1.1953	0.1001	1.2953	0.0000	4,547.0805	4,547.0805	0.1032	0.0000	4,549.2479

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156
Total	0.1702	1.0333	2.1051	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.5277	341.5277	0.0137	0.0000	341.8156

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6427	3.7023	9.6080	0.0236	0.6439	0.0833	0.7272	0.1853	0.0767	0.2619	0.0000	2,002.5152	2,002.5152	0.0145	0.0000	2,002.8188
Worker	0.4868	0.8185	7.9736	0.0443	3.7993	0.0252	3.8245	1.0100	0.0234	1.0334	0.0000	2,544.5653	2,544.5653	0.0888	0.0000	2,546.4291
Total	1.1294	4.5208	17.5816	0.0679	4.4431	0.1085	4.5517	1.1953	0.1001	1.2953	0.0000	4,547.0805	4,547.0805	0.1032	0.0000	4,549.2479

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8367	342.8367	0.0138	0.0000	343.1257
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8367	342.8367	0.0138	0.0000	343.1257

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6488	3.7028	9.6438	0.0237	0.6464	0.0837	0.7301	0.1860	0.0770	0.2630	0.0000	2,010.6767	2,010.6767	0.0145	0.0000	2,010.9817
Worker	0.4725	0.7973	7.8191	0.0445	3.8138	0.0253	3.8392	1.0139	0.0235	1.0374	0.0000	2,544.1519	2,544.1519	0.0875	0.0000	2,545.9903
Total	1.1213	4.5001	17.4629	0.0681	4.4602	0.1090	4.5692	1.1999	0.1005	1.3004	0.0000	4,554.8285	4,554.8285	0.1021	0.0000	4,556.9720

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8363	342.8363	0.0138	0.0000	343.1252
Total	0.1708	1.0372	2.1132	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	342.8363	342.8363	0.0138	0.0000	343.1252

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6488	3.7028	9.6438	0.0237	0.6464	0.0837	0.7301	0.1860	0.0770	0.2630	0.0000	2,010.6767	2,010.6767	0.0145	0.0000	2,010.9817
Worker	0.4725	0.7973	7.8191	0.0445	3.8138	0.0253	3.8392	1.0139	0.0235	1.0374	0.0000	2,544.1519	2,544.1519	0.0875	0.0000	2,545.9903
Total	1.1213	4.5001	17.4629	0.0681	4.4602	0.1090	4.5692	1.1999	0.1005	1.3004	0.0000	4,554.8285	4,554.8285	0.1021	0.0000	4,556.9720

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6441	3.6590	9.5560	0.0235	0.6415	0.0830	0.7246	0.1846	0.0764	0.2610	0.0000	1,995.7290	1,995.7290	0.0144	0.0000	1,996.0318
Worker	0.4545	0.7713	7.6107	0.0441	3.7847	0.0252	3.8099	1.0062	0.0233	1.0295	0.0000	2,516.3773	2,516.3773	0.0856	0.0000	2,518.1744
Total	1.0985	4.4304	17.1667	0.0676	4.4263	0.1082	4.5344	1.1908	0.0997	1.2905	0.0000	4,512.1063	4,512.1063	0.1000	0.0000	4,514.2062

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6441	3.6590	9.5560	0.0235	0.6415	0.0830	0.7246	0.1846	0.0764	0.2610	0.0000	1,995.7290	1,995.7290	0.0144	0.0000	1,996.0318
Worker	0.4545	0.7713	7.6107	0.0441	3.7847	0.0252	3.8099	1.0062	0.0233	1.0295	0.0000	2,516.3773	2,516.3773	0.0856	0.0000	2,518.1744
Total	1.0985	4.4304	17.1667	0.0676	4.4263	0.1082	4.5344	1.1908	0.0997	1.2905	0.0000	4,512.1063	4,512.1063	0.1000	0.0000	4,514.2062

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2196	340.2196	0.0137	0.0000	340.5064
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2196	340.2196	0.0137	0.0000	340.5064

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6436	3.6462	9.5494	0.0235	0.6416	0.0830	0.7246	0.1846	0.0764	0.2610	0.0000	1,996.0944	1,996.0944	0.0144	0.0000	1,996.3974
Worker	0.4399	0.7546	7.4677	0.0441	3.7847	0.0251	3.8099	1.0062	0.0233	1.0295	0.0000	2,509.3170	2,509.3170	0.0844	0.0000	2,511.0884
Total	1.0835	4.4008	17.0171	0.0676	4.4263	0.1082	4.5345	1.1908	0.0997	1.2905	0.0000	4,505.4114	4,505.4114	0.0988	0.0000	4,507.4858

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2192	340.2192	0.0137	0.0000	340.5060
Total	0.1695	1.0293	2.0971	4.0100e-003		0.0192	0.0192		0.0192	0.0192	0.0000	340.2192	340.2192	0.0137	0.0000	340.5060

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.6436	3.6462	9.5494	0.0235	0.6416	0.0830	0.7246	0.1846	0.0764	0.2610	0.0000	1,996.0944	1,996.0944	0.0144	0.0000	1,996.3974
Worker	0.4399	0.7546	7.4677	0.0441	3.7847	0.0251	3.8099	1.0062	0.0233	1.0295	0.0000	2,509.3170	2,509.3170	0.0844	0.0000	2,511.0884
Total	1.0835	4.4008	17.0171	0.0676	4.4263	0.1082	4.5345	1.1908	0.0997	1.2905	0.0000	4,505.4114	4,505.4114	0.0988	0.0000	4,507.4858

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473
Total	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	157.0244	157.0244	5.8500e-003	0.0000	157.1473

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2955	1.6774	4.4028	0.0108	0.2962	0.0383	0.3344	0.0852	0.0352	0.1205	0.0000	921.3966	921.3966	6.6600e-003	0.0000	921.5364
Worker	0.1970	0.3423	3.3894	0.0204	1.7468	0.0116	1.7584	0.4644	0.0108	0.4751	0.0000	1,155.4445	1,155.4445	0.0384	0.0000	1,156.2516
Total	0.4925	2.0197	7.7921	0.0312	2.0429	0.0499	2.0928	0.5496	0.0460	0.5956	0.0000	2,076.8410	2,076.8410	0.0451	0.0000	2,077.7881

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471
Total	0.0727	0.4291	0.9655	1.8500e-003		5.4000e-003	5.4000e-003		5.4000e-003	5.4000e-003	0.0000	157.0242	157.0242	5.8500e-003	0.0000	157.1471

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.2955	1.6774	4.4028	0.0108	0.2962	0.0383	0.3344	0.0852	0.0352	0.1205	0.0000	921.3966	921.3966	6.6600e-003	0.0000	921.5364
Worker	0.1970	0.3423	3.3894	0.0204	1.7468	0.0116	1.7584	0.4644	0.0108	0.4751	0.0000	1,155.4445	1,155.4445	0.0384	0.0000	1,156.2516
Total	0.4925	2.0197	7.7921	0.0312	2.0429	0.0499	2.0928	0.5496	0.0460	0.5956	0.0000	2,076.8410	2,076.8410	0.0451	0.0000	2,077.7881

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5700e-003	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018
Total	0.5562	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	10.0854	10.0854	7.8000e-004	0.0000	10.1018

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0477	0.0828	0.7793	2.6800e-003	0.2300	1.4600e-003	0.2315	0.0611	1.3500e-003	0.0625	0.0000	172.7875	172.7875	7.5100e-003	0.0000	172.9451
Total	0.0477	0.0828	0.7793	2.6800e-003	0.2300	1.4600e-003	0.2315	0.0611	1.3500e-003	0.0625	0.0000	172.7875	172.7875	7.5100e-003	0.0000	172.9451

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5466					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.5700e-003	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017
Total	0.5562	0.0665	0.0723	1.2000e-004		4.3800e-003	4.3800e-003		4.3800e-003	4.3800e-003	0.0000	10.0853	10.0853	7.8000e-004	0.0000	10.1017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0477	0.0828	0.7793	2.6800e-003	0.2300	1.4600e-003	0.2315	0.0611	1.3500e-003	0.0625	0.0000	172.7875	172.7875	7.5100e-003	0.0000	172.9451
Total	0.0477	0.0828	0.7793	2.6800e-003	0.2300	1.4600e-003	0.2315	0.0611	1.3500e-003	0.0625	0.0000	172.7875	172.7875	7.5100e-003	0.0000	172.9451

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680
Total	1.8346	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3680

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1486	0.2554	2.4092	8.8600e-003	0.7599	4.8200e-003	0.7647	0.2020	4.4700e-003	0.2065	0.0000	561.2117	561.2117	0.0236	0.0000	561.7079
Total	0.1486	0.2554	2.4092	8.8600e-003	0.7599	4.8200e-003	0.7647	0.2020	4.4700e-003	0.2065	0.0000	561.2117	561.2117	0.0236	0.0000	561.7079

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679
Total	1.8346	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3679

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1486	0.2554	2.4092	8.8600e-003	0.7599	4.8200e-003	0.7647	0.2020	4.4700e-003	0.2065	0.0000	561.2117	561.2117	0.0236	0.0000	561.7079
Total	0.1486	0.2554	2.4092	8.8600e-003	0.7599	4.8200e-003	0.7647	0.2020	4.4700e-003	0.2065	0.0000	561.2117	561.2117	0.0236	0.0000	561.7079

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377
Total	1.8257	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2377

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1402	0.2388	2.2549	8.8300e-003	0.7569	4.8100e-003	0.7618	0.2012	4.4600e-003	0.2057	0.0000	550.3668	550.3668	0.0225	0.0000	550.8401
Total	0.1402	0.2388	2.2549	8.8300e-003	0.7569	4.8100e-003	0.7618	0.2012	4.4600e-003	0.2057	0.0000	550.3668	550.3668	0.0225	0.0000	550.8401

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376
Total	1.8257	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2376

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1402	0.2388	2.2549	8.8300e-003	0.7569	4.8100e-003	0.7618	0.2012	4.4600e-003	0.2057	0.0000	550.3668	550.3668	0.0225	0.0000	550.8401
Total	0.1402	0.2388	2.2549	8.8300e-003	0.7569	4.8100e-003	0.7618	0.2012	4.4600e-003	0.2057	0.0000	550.3668	550.3668	0.0225	0.0000	550.8401

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total	1.8240	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1329	0.2250	2.1218	8.8300e-003	0.7569	4.8200e-003	0.7618	0.2012	4.4700e-003	0.2057	0.0000	542.5188	542.5188	0.0217	0.0000	542.9735
Total	0.1329	0.2250	2.1218	8.8300e-003	0.7569	4.8200e-003	0.7618	0.2012	4.4700e-003	0.2057	0.0000	542.5188	542.5188	0.0217	0.0000	542.9735

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340
Total	1.8240	0.1694	0.2354	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2340

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1329	0.2250	2.1218	8.8300e-003	0.7569	4.8200e-003	0.7618	0.2012	4.4700e-003	0.2057	0.0000	542.5188	542.5188	0.0217	0.0000	542.9735
Total	0.1329	0.2250	2.1218	8.8300e-003	0.7569	4.8200e-003	0.7618	0.2012	4.4700e-003	0.2057	0.0000	542.5188	542.5188	0.0217	0.0000	542.9735

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872
Total	1.8366	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4872

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1276	0.2150	2.0315	8.8900e-003	0.7628	4.8800e-003	0.7676	0.2028	4.5200e-003	0.2073	0.0000	539.6729	539.6729	0.0211	0.0000	540.1154
Total	0.1276	0.2150	2.0315	8.8900e-003	0.7628	4.8800e-003	0.7676	0.2028	4.5200e-003	0.2073	0.0000	539.6729	539.6729	0.0211	0.0000	540.1154

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871
Total	1.8366	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4871

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1276	0.2150	2.0315	8.8900e-003	0.7628	4.8800e-003	0.7676	0.2028	4.5200e-003	0.2073	0.0000	539.6729	539.6729	0.0211	0.0000	540.1154
Total	0.1276	0.2150	2.0315	8.8900e-003	0.7628	4.8800e-003	0.7676	0.2028	4.5200e-003	0.2073	0.0000	539.6729	539.6729	0.0211	0.0000	540.1154

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total	1.8283	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1218	0.2043	1.9356	8.8600e-003	0.7599	4.8900e-003	0.7647	0.2020	4.5300e-003	0.2065	0.0000	531.4701	531.4701	0.0204	0.0000	531.8974
Total	0.1218	0.2043	1.9356	8.8600e-003	0.7599	4.8900e-003	0.7647	0.2020	4.5300e-003	0.2065	0.0000	531.4701	531.4701	0.0204	0.0000	531.8974

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total	1.8283	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1218	0.2043	1.9356	8.8600e-003	0.7599	4.8900e-003	0.7647	0.2020	4.5300e-003	0.2065	0.0000	531.4701	531.4701	0.0204	0.0000	531.8974
Total	0.1218	0.2043	1.9356	8.8600e-003	0.7599	4.8900e-003	0.7647	0.2020	4.5300e-003	0.2065	0.0000	531.4701	531.4701	0.0204	0.0000	531.8974

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total	1.8283	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1171	0.1960	1.8621	8.8600e-003	0.7599	4.9300e-003	0.7648	0.2020	4.5700e-003	0.2066	0.0000	526.1806	526.1806	0.0198	0.0000	526.5967
Total	0.1171	0.1960	1.8621	8.8600e-003	0.7599	4.9300e-003	0.7648	0.2020	4.5700e-003	0.2066	0.0000	526.1806	526.1806	0.0198	0.0000	526.5967

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total	1.8283	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1171	0.1960	1.8621	8.8600e-003	0.7599	4.9300e-003	0.7648	0.2020	4.5700e-003	0.2066	0.0000	526.1806	526.1806	0.0198	0.0000	526.5967
Total	0.1171	0.1960	1.8621	8.8600e-003	0.7599	4.9300e-003	0.7648	0.2020	4.5700e-003	0.2066	0.0000	526.1806	526.1806	0.0198	0.0000	526.5967

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total	1.8283	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1126	0.1885	1.7969	8.8600e-003	0.7599	4.9600e-003	0.7648	0.2020	4.6100e-003	0.2066	0.0000	521.5785	521.5785	0.0193	0.0000	521.9845
Total	0.1126	0.1885	1.7969	8.8600e-003	0.7599	4.9600e-003	0.7648	0.2020	4.6100e-003	0.2066	0.0000	521.5785	521.5785	0.0193	0.0000	521.9845

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total	1.8283	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1126	0.1885	1.7969	8.8600e-003	0.7599	4.9600e-003	0.7648	0.2020	4.6100e-003	0.2066	0.0000	521.5785	521.5785	0.0193	0.0000	521.9845
Total	0.1126	0.1885	1.7969	8.8600e-003	0.7599	4.9600e-003	0.7648	0.2020	4.6100e-003	0.2066	0.0000	521.5785	521.5785	0.0193	0.0000	521.9845

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total	1.8213	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1081	0.1810	1.7325	8.8200e-003	0.7569	4.9800e-003	0.7619	0.2012	4.6200e-003	0.2059	0.0000	515.6325	515.6325	0.0188	0.0000	516.0278
Total	0.1081	0.1810	1.7325	8.8200e-003	0.7569	4.9800e-003	0.7619	0.2012	4.6200e-003	0.2059	0.0000	515.6325	515.6325	0.0188	0.0000	516.0278

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303
Total	1.8213	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2303

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1081	0.1810	1.7325	8.8200e-003	0.7569	4.9800e-003	0.7619	0.2012	4.6200e-003	0.2059	0.0000	515.6325	515.6325	0.0188	0.0000	516.0278
Total	0.1081	0.1810	1.7325	8.8200e-003	0.7569	4.9800e-003	0.7619	0.2012	4.6200e-003	0.2059	0.0000	515.6325	515.6325	0.0188	0.0000	516.0278

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581
Total	1.8283	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3581

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1045	0.1750	1.6834	8.8600e-003	0.7599	5.0200e-003	0.7649	0.2020	4.6600e-003	0.2067	0.0000	514.2093	514.2093	0.0185	0.0000	514.5973
Total	0.1045	0.1750	1.6834	8.8600e-003	0.7599	5.0200e-003	0.7649	0.2020	4.6600e-003	0.2067	0.0000	514.2093	514.2093	0.0185	0.0000	514.5973

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581
Total	1.8283	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3581

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1045	0.1750	1.6834	8.8600e-003	0.7599	5.0200e-003	0.7649	0.2020	4.6600e-003	0.2067	0.0000	514.2093	514.2093	0.0185	0.0000	514.5973
Total	0.1045	0.1750	1.6834	8.8600e-003	0.7599	5.0200e-003	0.7649	0.2020	4.6600e-003	0.2067	0.0000	514.2093	514.2093	0.0185	0.0000	514.5973

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total	1.8231	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1009	0.1693	1.6374	8.8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6700e-003	0.2067	0.0000	511.3333	511.3333	0.0181	0.0000	511.7134
Total	0.1009	0.1693	1.6374	8.8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6700e-003	0.2067	0.0000	511.3333	511.3333	0.0181	0.0000	511.7134

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total	1.8231	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1009	0.1693	1.6374	8.8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6700e-003	0.2067	0.0000	511.3333	511.3333	0.0181	0.0000	511.7134
Total	0.1009	0.1693	1.6374	8.8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6700e-003	0.2067	0.0000	511.3333	511.3333	0.0181	0.0000	511.7134

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483
Total	1.8231	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3483

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0974	0.1637	1.5947	8.8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6800e-003	0.2067	0.0000	508.9131	508.9131	0.0178	0.0000	509.2858
Total	0.0974	0.1637	1.5947	8.8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6800e-003	0.2067	0.0000	508.9131	508.9131	0.0178	0.0000	509.2858

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8060					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482
Total	1.8231	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3482

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0974	0.1637	1.5947	8.8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6800e-003	0.2067	0.0000	508.9131	508.9131	0.0178	0.0000	509.2858
Total	0.0974	0.1637	1.5947	8.8600e-003	0.7599	5.0400e-003	0.7649	0.2020	4.6800e-003	0.2067	0.0000	508.9131	508.9131	0.0178	0.0000	509.2858

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761
Total	1.8300	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4761

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0945	0.1595	1.5638	8.8900e-003	0.7628	5.0700e-003	0.7678	0.2028	4.7000e-003	0.2075	0.0000	508.8304	508.8304	0.0175	0.0000	509.1981
Total	0.0945	0.1595	1.5638	8.8900e-003	0.7628	5.0700e-003	0.7678	0.2028	4.7000e-003	0.2075	0.0000	508.8304	508.8304	0.0175	0.0000	509.1981

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8129					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760
Total	1.8300	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4760

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0945	0.1595	1.5638	8.8900e-003	0.7628	5.0700e-003	0.7678	0.2028	4.7000e-003	0.2075	0.0000	508.8304	508.8304	0.0175	0.0000	509.1981
Total	0.0945	0.1595	1.5638	8.8900e-003	0.7628	5.0700e-003	0.7678	0.2028	4.7000e-003	0.2075	0.0000	508.8304	508.8304	0.0175	0.0000	509.1981

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total	1.8161	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0909	0.1543	1.5221	8.8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6700e-003	0.2059	0.0000	503.2755	503.2755	0.0171	0.0000	503.6349
Total	0.0909	0.1543	1.5221	8.8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6700e-003	0.2059	0.0000	503.2755	503.2755	0.0171	0.0000	503.6349

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total	1.8161	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0909	0.1543	1.5221	8.8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6700e-003	0.2059	0.0000	503.2755	503.2755	0.0171	0.0000	503.6349
Total	0.0909	0.1543	1.5221	8.8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6700e-003	0.2059	0.0000	503.2755	503.2755	0.0171	0.0000	503.6349

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total	1.8161	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0880	0.1509	1.4935	8.8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6600e-003	0.2059	0.0000	501.8634	501.8634	0.0169	0.0000	502.2177
Total	0.0880	0.1509	1.4935	8.8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6600e-003	0.2059	0.0000	501.8634	501.8634	0.0169	0.0000	502.2177

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.7991					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205
Total	1.8161	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2205

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0880	0.1509	1.4935	8.8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6600e-003	0.2059	0.0000	501.8634	501.8634	0.0169	0.0000	502.2177
Total	0.0880	0.1509	1.4935	8.8200e-003	0.7569	5.0300e-003	0.7620	0.2012	4.6600e-003	0.2059	0.0000	501.8634	501.8634	0.0169	0.0000	502.2177

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6600e-003	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090
Total	0.9072	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	16.5962	16.5962	6.1000e-004	0.0000	16.6090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0742	0.7344	4.4100e-003	0.3785	2.5100e-003	0.3810	0.1006	2.3300e-003	0.1029	0.0000	250.3463	250.3463	8.3300e-003	0.0000	250.5212
Total	0.0427	0.0742	0.7344	4.4100e-003	0.3785	2.5100e-003	0.3810	0.1006	2.3300e-003	0.1029	0.0000	250.3463	250.3463	8.3300e-003	0.0000	250.5212

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8995					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.6600e-003	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090
Total	0.9072	0.0493	0.1166	1.9000e-004		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	16.5961	16.5961	6.1000e-004	0.0000	16.6090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0427	0.0742	0.7344	4.4100e-003	0.3785	2.5100e-003	0.3810	0.1006	2.3300e-003	0.1029	0.0000	250.3463	250.3463	8.3300e-003	0.0000	250.5212
Total	0.0427	0.0742	0.7344	4.4100e-003	0.3785	2.5100e-003	0.3810	0.1006	2.3300e-003	0.1029	0.0000	250.3463	250.3463	8.3300e-003	0.0000	250.5212

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.1235	15.2402	74.2773	0.2279	14.4899	0.3310	14.8209	3.8987	0.3054	4.2041	0.0000	15,183.8669	15,183.8669	0.3585	0.0000	15,191.3956
Unmitigated	8.1235	15.2402	74.2773	0.2279	14.4899	0.3310	14.8209	3.8987	0.3054	4.2041	0.0000	15,183.8669	15,183.8669	0.3585	0.0000	15,191.3956

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,601.50	6,086.00	5159.50	11,297,401	11,297,401
Hotel	1,225.50	1,228.50	892.50	1,281,323	1,281,323
Manufacturing	3,376.88	1,317.16	548.08	5,598,139	5,598,139
Other Asphalt Surfaces	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	4,069,089	4,069,089
Regional Shopping Center	1,080.16	1,257.00	634.91	1,023,579	1,023,579
Research & Development	12,246.10	2,869.00	1676.10	14,720,098	14,720,098
Research & Development	372.26	87.21	50.95	447,462	447,462
Parking Lot	0.00	0.00	0.00		
Total	28,196.39	17,841.87	11,486.04	38,437,091	38,437,091

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	9.09	3.84	4.27	42.60	21.00	36.40	86	11	3
Hotel	7.95	3.57	3.57	19.40	61.60	19.00	58	38	4
Manufacturing	7.95	3.57	3.57	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0
Regional Shopping Center	7.95	3.57	3.57	16.30	64.70	19.00	54	35	11
Regional Shopping Center	7.95	3.57	3.57	16.30	64.70	19.00	54	35	11
Research & Development	7.95	3.57	3.57	33.00	48.00	19.00	82	15	3
Research & Development	7.95	3.57	3.57	33.00	48.00	19.00	82	15	3
Parking Lot	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,521.3560	2,521.3560	0.1946	0.0403	2,537.9266
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	5,409.1552	5,409.1552	0.4176	0.0864	5,444.7046
NaturalGas Mitigated	0.2443	2.2020	1.7280	0.0133		0.1688	0.1688		0.1688	0.1688	0.0000	2,417.5691	2,417.5691	0.0463	0.0443	2,432.2820
NaturalGas Unmitigated	0.3450	3.1117	2.4519	0.0188		0.2384	0.2384		0.2384	0.2384	0.0000	3,414.6338	3,414.6338	0.0655	0.0626	3,435.4147

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	8.48085e+006	0.0457	0.3908	0.1663	2.4900e-003		0.0316	0.0316		0.0316	0.0316	0.0000	452.5704	452.5704	8.6700e-003	8.3000e-003	455.3247
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	6.12236e+006	0.0330	0.3001	0.2521	1.8000e-003		0.0228	0.0228		0.0228	0.0228	0.0000	326.7123	326.7123	6.2600e-003	5.9900e-003	328.7007
Manufacturing	1.73352e+007	0.0935	0.8498	0.7138	5.1000e-003		0.0646	0.0646		0.0646	0.0646	0.0000	925.0744	925.0744	0.0177	0.0170	930.7043
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	1.229e+006	6.6300e-003	0.0603	0.0506	3.6000e-004		4.5800e-003	4.5800e-003		4.5800e-003	4.5800e-003	0.0000	65.5841	65.5841	1.2600e-003	1.2000e-003	65.9833
Regional Shopping Center	309155	1.6700e-003	0.0152	0.0127	9.0000e-005		1.1500e-003	1.1500e-003		1.1500e-003	1.1500e-003	0.0000	16.4977	16.4977	3.2000e-004	3.0000e-004	16.5981
Research & Development	2.96111e+007	0.1597	1.4515	1.2193	8.7100e-003		0.1103	0.1103		0.1103	0.1103	0.0000	1,580.1611	1,580.1611	0.0303	0.0290	1,589.7777
Research & Development	900119	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0338	48.0338	9.2000e-004	8.8000e-004	48.3261
Total		0.3450	3.1117	2.4519	0.0188		0.2384	0.2384		0.2384	0.2384	0.0000	3,414.6338	3,414.6338	0.0655	0.0626	3,435.4147

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	4.30264e+006	0.0232	0.2109	0.1772	1.2700e-003		0.0160	0.0160		0.0160	0.0160	0.0000	229.6052	229.6052	4.4000e-003	4.2100e-003	231.0025
Manufacturing	1.21506e+007	0.0655	0.5956	0.5003	3.5700e-003		0.0453	0.0453		0.0453	0.0453	0.0000	648.4012	648.4012	0.0124	0.0119	652.3473
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	219125	1.1800e-003	0.0107	9.0200e-003	6.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	11.6934	11.6934	2.2000e-004	2.1000e-004	11.7645
Regional Shopping Center	871100	4.7000e-003	0.0427	0.0359	2.6000e-004		3.2500e-003	3.2500e-003		3.2500e-003	3.2500e-003	0.0000	46.4852	46.4852	8.9000e-004	8.5000e-004	46.7681
Research & Development	2.0755e+007	0.1119	1.0174	0.8546	6.1000e-003		0.0773	0.0773		0.0773	0.0773	0.0000	1,107.5632	1,107.5632	0.0212	0.0203	1,114.3036
Research & Development	630909	3.4000e-003	0.0309	0.0260	1.9000e-004		2.3500e-003	2.3500e-003		2.3500e-003	2.3500e-003	0.0000	33.6677	33.6677	6.5000e-004	6.2000e-004	33.8726
Apartments Mid Rise	6.37423e+006	0.0344	0.2937	0.1250	1.8700e-003		0.0238	0.0238		0.0238	0.0238	0.0000	340.1532	340.1532	6.5200e-003	6.2400e-003	342.2233
Total		0.2443	2.2020	1.7280	0.0133		0.1688	0.1688		0.1688	0.1688	0.0000	2,417.5691	2,417.5691	0.0463	0.0443	2,432.2820

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	3.07563e+006	524.1048	0.0405	8.3700e-003	527.5492
Enclosed Parking with Elevator	1.49733e+006	255.1536	0.0197	4.0800e-003	256.8305
Hotel	1.63786e+006	279.0998	0.0215	4.4600e-003	280.9341
Manufacturing	8.15932e+006	1,390.3937	0.1073	0.0222	1,399.5315
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	1.3359e+006	227.6445	0.0176	3.6400e-003	229.1406
Regional Shopping Center	1.339e+006	228.1731	0.0176	3.6400e-003	229.6727
Regional Shopping Center	336825	57.3969	4.4300e-003	9.2000e-004	57.7742
Research & Development	1.39373e+007	2,374.9937	0.1833	0.0379	2,390.6024
Research & Development	423666	72.1951	5.5700e-003	1.1500e-003	72.6696
Total		5,409.1552	0.4175	0.0864	5,444.7046

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.4967e+006	255.0460	0.0197	4.0700e-003	256.7221
Enclosed Parking with Elevator	618038	105.3171	8.1300e-003	1.6800e-003	106.0093
Hotel	744114	126.8011	9.7900e-003	2.0300e-003	127.6345
Manufacturing	3.81181e+006	649.5534	0.0501	0.0104	653.8223
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	667949	113.8222	8.7900e-003	1.8200e-003	114.5703
Regional Shopping Center	150452	25.6379	1.9800e-003	4.1000e-004	25.8064
Regional Shopping Center	598100	101.9196	7.8700e-003	1.6300e-003	102.5894
Research & Development	197925	33.7275	2.6000e-003	5.4000e-004	33.9492
Research & Development	6.51112e+006	1,109.5312	0.0857	0.0177	1,116.8231
Total		2,521.3560	0.1946	0.0403	2,537.9266

6.0 Area Detail

6.1 Mitigation Measures Area

- Use only Natural Gas Hearths
- Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	22.4322	0.0728	6.3177	3.4000e-004		0.0772	0.0772		0.0767	0.0767	0.0000	612.9108	612.9108	0.0215	0.0111	616.7866
Unmitigated	102.9309	1.1480	103.8314	0.0391		13.7286	13.7286		13.7283	13.7283	1,305.1248	378.5850	1,683.7098	1.2297	0.0990	1,740.2292

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6709					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	21.0866					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	78.9830	1.0752	97.5170	0.0388		13.6935	13.6935		13.6932	13.6932	1,305.1248	368.2263	1,673.3511	1.2197	0.0990	1,729.6618
Landscaping	0.1904	0.0728	6.3143	3.4000e-004		0.0351	0.0351		0.0351	0.0351	0.0000	10.3587	10.3587	9.9400e-003	0.0000	10.5675
Total	102.9309	1.1480	103.8314	0.0391		13.7286	13.7286		13.7283	13.7283	1,305.1248	378.5850	1,683.7098	1.2297	0.0990	1,740.2292

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6709					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	19.5101					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0609	0.0000	3.3200e-003	0.0000		0.0421	0.0421		0.0416	0.0416	0.0000	602.5521	602.5521	0.0116	0.0111	606.2191
Landscaping	0.1904	0.0728	6.3143	3.4000e-004		0.0351	0.0351		0.0351	0.0351	0.0000	10.3587	10.3587	9.9400e-003	0.0000	10.5675
Total	22.4322	0.0728	6.3177	3.4000e-004		0.0772	0.0772		0.0767	0.0767	0.0000	612.9108	612.9108	0.0215	0.0111	616.7866

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	868.9216	23.7235	0.5692	1,543.5648
Unmitigated	1,310.7637	33.8960	0.8143	2,274.9962

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	55.3809 / 34.9141	89.4580	1.8101	0.0438	141.0360
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	3.80502 / 0.422779	4.9678	0.1243	2.9900e-003	8.5038
Manufacturing	204.425 / 0	253.3477	6.6757	0.1603	443.2299
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	9.27092 / 5.68217	14.8786	0.3030	7.3200e-003	23.5122
Research & Development	765.027 / 0	948.1116	24.9829	0.5999	1,658.7143
Total		1,310.7637	33.8960	0.8143	2,274.9962

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	38.7666 / 34.9141	65.8821	1.2674	0.0307	102.0082
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	2.66351 / 0.422779	3.3480	0.0870	2.0900e-003	5.8223
Manufacturing	143.098 / 0	166.3231	4.6722	0.1120	299.1682
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	6.48964 / 5.68217	10.9319	0.2122	5.1300e-003	16.9789
Research & Development	535.519 / 0	622.4365	17.4848	0.4193	1,119.5873
Total		868.9216	23.7235	0.5692	1,543.5648

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	369.2304	21.8209	0.0000	827.4692
Unmitigated	369.2304	21.8209	0.0000	827.4692

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	391	79.3695	4.6906	0.0000	177.8721
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		369.2304	21.8209	0.0000	827.4692

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	391	79.3695	4.6906	0.0000	177.8721
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	82.13	16.6717	0.9853	0.0000	37.3622
Manufacturing	1096.16	222.5106	13.1500	0.0000	498.6605
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	131.42	26.6771	1.5766	0.0000	59.7850
Research & Development	118.24	24.0017	1.4185	0.0000	53.7893
Total		369.2304	21.8209	0.0000	827.4692

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

Mace Ranch Innovation Center - Mixed-Use Alternative
Yolo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Research & Development	1,510.00	1000sqft	34.66	1,510,000.00	0
Research & Development	45.90	1000sqft	1.05	45,901.00	0
Manufacturing	884.00	1000sqft	20.29	884,000.00	0
Other Asphalt Surfaces	0.60	Acre	0.60	26,136.00	0
Enclosed Parking with Elevator	5.10	Acre	5.10	222,156.00	0
Hotel	150.00	Room	5.00	217,800.00	0
Apartments Mid Rise	850.00	Dwelling Unit	22.37	850,000.00	2431
Regional Shopping Center	100.00	1000sqft	2.30	100,000.00	0
Regional Shopping Center	25.16	1000sqft	0.58	25,155.00	0
Parking Lot	34.85	Acre	34.85	1,518,066.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	375.68	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - intensity factor for CO2 modified for PG&E RPS reduction

Land Use - *based on info provided by applicant

Construction Phase - *

Trips and VMT - 12 CY haul trucks would be used; haul site located 2 mi from off-site detention basin location

On-road Fugitive Dust - all roadways would be paved

Grading - total project site (including Mace Triangle, with exception of PQP parcel) = 224.42 acres; plus 11 acres for off-site sewer improvements; 80 acres for off-site detention basin

Vehicle Trips - based on VMT data from traffic consultant

Road Dust - all project roadways would be paved

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation - project required to comply with Tier 1 CALGreen Code standards

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	3,860.00
tblConstructionPhase	NumDays	3,100.00	3,860.00
tblConstructionPhase	NumDays	310.00	395.00
tblConstructionPhase	NumDays	220.00	280.00
tblConstructionPhase	NumDays	120.00	150.00
tblConstructionPhase	PhaseEndDate	4/1/2050	6/29/2035
tblConstructionPhase	PhaseStartDate	6/16/2035	9/12/2020
tblGrading	AcresOfGrading	987.50	315.42
tblGrading	MaterialExported	0.00	130,000.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00
tblOnRoadDust	HaulingPercentPave	94.00	100.00

tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CNW_TL	6.60	3.57
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	CW_TL	14.70	7.95
tblVehicleTrips	HO_TL	7.90	4.27
tblVehicleTrips	HS_TL	7.10	3.84
tblVehicleTrips	HW_TL	16.80	9.09

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269	0.0000	4,231.854 0	4,231.854 0	1.2365	0.0000	4,257.820 2
2018	5.6246	60.6285	47.4558	0.0675	18.2962	2.8001	20.6630	9.9917	2.5760	12.1692	0.0000	6,699.654 4	6,699.654 4	1.9470	0.0000	6,740.541 9
2019	5.1937	55.2168	45.0445	0.0674	7.3909	2.5166	9.9075	3.5211	2.3153	5.8364	0.0000	6,584.206 7	6,584.206 7	1.9457	0.0000	6,625.066 6
2020	31.3925	76.0609	235.2670	0.6611	41.1579	2.2135	43.3714	11.0222	2.0693	13.0915	0.0000	51,721.74 54	51,721.74 54	2.0231	0.0000	51,764.22 94

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	29.9861	65.9493	219.5019	0.6606	41.1587	1.9589	43.1177	11.0225	1.8308	12.8533	0.0000	51,158.03 74	51,158.03 74	1.9532	0.0000	51,199.05 48
2022	29.0722	59.3747	208.4822	0.6604	41.1596	1.7842	42.9438	11.0229	1.6665	12.6894	0.0000	50,661.58 43	50,661.58 43	1.8990	0.0000	50,701.46 36
2023	27.8894	54.0793	195.5437	0.6601	41.1601	1.6226	42.7827	11.0231	1.5148	12.5379	0.0000	50,202.61 84	50,202.61 84	1.8418	0.0000	50,241.29 71
2024	27.3438	52.2554	188.7688	0.6601	41.1612	1.5295	42.6907	11.0236	1.4264	12.4500	0.0000	49,821.02 64	49,821.02 64	1.7997	0.0000	49,858.82 03
2025	26.8111	50.4941	182.2730	0.6601	41.1621	1.4373	42.5994	11.0239	1.3391	12.3630	0.0000	49,485.35 10	49,485.35 10	1.7639	0.0000	49,522.39 29
2026	26.5053	49.8305	177.7379	0.6601	41.1626	1.4387	42.6014	11.0241	1.3404	12.3646	0.0000	49,196.32 29	49,196.32 29	1.7367	0.0000	49,232.79 44
2027	26.2761	49.3036	174.0595	0.6601	41.1633	1.4410	42.6043	11.0244	1.3425	12.3669	0.0000	48,946.19 76	48,946.19 76	1.7124	0.0000	48,982.15 88
2028	26.0394	48.8140	170.6787	0.6602	41.1638	1.4424	42.6062	11.0246	1.3438	12.3684	0.0000	48,731.04 22	48,731.04 22	1.6904	0.0000	48,766.54 13
2029	25.8072	48.3740	167.5027	0.6602	41.1644	1.4433	42.6077	11.0248	1.3447	12.3695	0.0000	48,546.53 22	48,546.53 22	1.6692	0.0000	48,581.58 51
2030	25.4240	43.1518	164.5298	0.6642	41.1647	1.0353	42.2000	11.0250	0.9677	11.9927	0.0000	48,728.85 70	48,728.85 70	1.1646	0.0000	48,753.31 31
2031	25.2514	42.8038	162.2694	0.6643	41.1653	1.0359	42.2012	11.0252	0.9683	11.9935	0.0000	48,599.45 66	48,599.45 66	1.1470	0.0000	48,623.54 36
2032	25.0903	42.5050	160.3024	0.6643	41.1659	1.0363	42.2022	11.0255	0.9686	11.9941	0.0000	48,492.06 13	48,492.06 13	1.1314	0.0000	48,515.82 15
2033	24.9261	42.2285	158.6295	0.6644	41.1665	1.0364	42.2029	11.0257	0.9688	11.9944	0.0000	48,402.95 86	48,402.95 86	1.1183	0.0000	48,426.44 22
2034	24.7554	41.9967	157.0537	0.6644	41.1669	1.0362	42.2031	11.0259	0.9685	11.9944	0.0000	48,327.87 66	48,327.87 66	1.1059	0.0000	48,351.09 98
2035	24.4749	40.9364	155.6140	0.6645	41.1673	0.9676	42.1349	11.0260	0.9000	11.9260	0.0000	48,265.11 84	48,265.11 84	1.0857	0.0000	48,287.91 84
Total	442.7758	975.8522	3,011.300 3	10.7658	702.5936	30.5315	732.6919	199.8938	28.3868	227.8821	0.0000	806,802.5 012	806,802.5 012	29.9716	0.0000	807,431.9 048

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	4.9124	51.8488	40.5859	0.0420	18.2962	2.7557	21.0519	9.9917	2.5353	12.5269	0.0000	4,231.8540	4,231.8540	1.2365	0.0000	4,257.8202
2018	5.6246	60.6285	47.4558	0.0675	18.2962	2.8001	20.6630	9.9917	2.5760	12.1692	0.0000	6,699.6544	6,699.6544	1.9470	0.0000	6,740.5419
2019	5.1937	55.2168	45.0445	0.0674	7.3909	2.5166	9.9075	3.5211	2.3153	5.8364	0.0000	6,584.2067	6,584.2067	1.9457	0.0000	6,625.0666
2020	31.3925	76.0609	235.2670	0.6611	41.1579	2.2135	43.3714	11.0222	2.0693	13.0915	0.0000	51,721.7454	51,721.7454	2.0231	0.0000	51,764.2294
2021	29.9861	65.9493	219.5019	0.6606	41.1587	1.9589	43.1177	11.0225	1.8308	12.8533	0.0000	51,158.0374	51,158.0374	1.9532	0.0000	51,199.0548
2022	29.0722	59.3747	208.4822	0.6604	41.1596	1.7842	42.9438	11.0229	1.6665	12.6894	0.0000	50,661.5843	50,661.5843	1.8990	0.0000	50,701.4636
2023	27.8894	54.0793	195.5437	0.6601	41.1601	1.6226	42.7827	11.0231	1.5148	12.5379	0.0000	50,202.6184	50,202.6184	1.8418	0.0000	50,241.2971
2024	27.3438	52.2554	188.7688	0.6601	41.1612	1.5295	42.6907	11.0236	1.4264	12.4500	0.0000	49,821.0264	49,821.0264	1.7997	0.0000	49,858.8203
2025	26.8111	50.4941	182.2730	0.6601	41.1621	1.4373	42.5994	11.0239	1.3391	12.3630	0.0000	49,485.3510	49,485.3510	1.7639	0.0000	49,522.3929
2026	26.5053	49.8305	177.7379	0.6601	41.1626	1.4387	42.6014	11.0241	1.3404	12.3646	0.0000	49,196.3229	49,196.3229	1.7367	0.0000	49,232.7944
2027	26.2761	49.3036	174.0595	0.6601	41.1633	1.4410	42.6043	11.0244	1.3425	12.3669	0.0000	48,946.1975	48,946.1975	1.7124	0.0000	48,982.1588
2028	26.0394	48.8140	170.6787	0.6602	41.1638	1.4424	42.6062	11.0246	1.3438	12.3684	0.0000	48,731.0422	48,731.0422	1.6904	0.0000	48,766.5413
2029	25.8072	48.3740	167.5027	0.6602	41.1644	1.4433	42.6077	11.0248	1.3447	12.3695	0.0000	48,546.5322	48,546.5322	1.6692	0.0000	48,581.5850
2030	25.4240	43.1518	164.5298	0.6642	41.1647	1.0353	42.2000	11.0250	0.9677	11.9927	0.0000	48,728.8570	48,728.8570	1.1646	0.0000	48,753.3131
2031	25.2514	42.8038	162.2694	0.6643	41.1653	1.0359	42.2012	11.0252	0.9683	11.9935	0.0000	48,599.4566	48,599.4566	1.1470	0.0000	48,623.5436
2032	25.0903	42.5050	160.3024	0.6643	41.1659	1.0363	42.2022	11.0255	0.9686	11.9941	0.0000	48,492.0613	48,492.0613	1.1314	0.0000	48,515.8215
2033	24.9261	42.2285	158.6295	0.6644	41.1665	1.0364	42.2029	11.0257	0.9688	11.9944	0.0000	48,402.9586	48,402.9586	1.1183	0.0000	48,426.4422
2034	24.7554	41.9967	157.0537	0.6644	41.1669	1.0362	42.2031	11.0259	0.9685	11.9944	0.0000	48,327.8766	48,327.8766	1.1059	0.0000	48,351.0998

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2,058.7080	27.0335	2,448.6235	0.9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958
Energy	1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177
Mobile	60.1486	96.1427	462.1762	1.6214	99.5815	2.2003	101.7818	26.7199	2.0301	28.7499		118,204.5351	118,204.5351	2.6292		118,259.7481
Total	2,120.7471	140.2266	2,924.2347	2.6733	99.5815	337.8842	437.4657	26.7199	337.7073	364.4272	35,089.1179	148,856.0075	183,945.1253	35.9397	3.0403	185,642.3616

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	125.1397	0.8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199
Energy	1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342
Mobile	60.1486	96.1427	462.1762	1.6214	99.5815	2.2003	101.7818	26.7199	2.0301	28.7499		118,204.5351	118,204.5351	2.6292		118,259.7481
Total	186.6268	109.0173	541.8848	1.6981	99.5815	4.5410	104.1225	26.7199	4.3599	31.0798	0.0000	149,133.6749	149,133.6749	3.3413	0.5647	149,378.9022

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	91.20	22.26	81.47	36.48	0.00	98.66	76.20	0.00	98.71	91.47	100.00	-0.19	18.92	90.70	81.43	19.53

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2017	1/26/2018	5	150	
2	Grading	Grading	1/27/2018	8/2/2019	5	395	
3	Paving	Paving	8/3/2019	8/28/2020	5	280	
4	Building Construction	Building Construction	8/29/2020	6/15/2035	5	3860	
5	Architectural Coating	Architectural Coating	9/12/2020	6/29/2035	5	3860	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 315.42

Acres of Paving: 0

Residential Indoor: 1,721,250; Residential Outdoor: 573,750; Non-Residential Indoor: 4,615,035; Non-Residential Outdoor: 1,538,345
(Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	162	0.38
Grading	Graders	1	8.00	174	0.41
Grading	Rubber Tired Dozers	1	8.00	255	0.40
Grading	Scrapers	2	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	10,833.00	16.80	6.60	2.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	2,355.00	836.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	471.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		228.7681	228.7681	9.9500e-003		228.9770
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		228.7681	228.7681	9.9500e-003		228.9770

3.2 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		228.7681	228.7681	9.9500e-003		228.9770
Total	0.0742	0.0953	1.1888	2.8800e-003	0.2299	1.5000e-003	0.2314	0.0610	1.3800e-003	0.0624		228.7681	228.7681	9.9500e-003		228.9770

3.2 Site Preparation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762		3,939.773 1	3,939.773 1	1.2265		3,965.529 7
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069		3,939.773 1	3,939.773 1	1.2265		3,965.529 7

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		220.2214	220.2214	9.1600e-003		220.4138
Total	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		220.2214	220.2214	9.1600e-003		220.4138

3.2 Site Preparation - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.2921	45.6088	36.2346	0.0391		2.3654	2.3654		2.1762	2.1762	0.0000	3,939.773 1	3,939.773 1	1.2265		3,965.529 7
Total	4.2921	45.6088	36.2346	0.0391	18.0663	2.3654	20.4317	9.9307	2.1762	12.1069	0.0000	3,939.773 1	3,939.773 1	1.2265		3,965.529 7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		220.2214	220.2214	9.1600e-003		220.4138
Total	0.0661	0.0858	1.0655	2.8800e-003	0.2299	1.4600e-003	0.2314	0.0610	1.3500e-003	0.0623		220.2214	220.2214	9.1600e-003		220.4138

3.3 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650		6,212.8042	6,212.8042	1.9341		6,253.4209
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911		6,212.8042	6,212.8042	1.9341		6,253.4209

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2617	0.9994	3.9652	2.5400e-003	0.0716	0.0104	0.0820	0.0190	9.5600e-003	0.0286		242.1598	242.1598	2.7100e-003		242.2168
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0954	1.1839	3.2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692		244.6904	244.6904	0.0102		244.9042
Total	0.3351	1.0947	5.1490	5.7400e-003	0.3270	0.0120	0.3391	0.0867	0.0111	0.0978		486.8503	486.8503	0.0129		487.1210

3.3 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	5.2895	59.5338	42.3068	0.0617		2.7880	2.7880		2.5650	2.5650	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209
Total	5.2895	59.5338	42.3068	0.0617	7.0303	2.7880	9.8183	3.4261	2.5650	5.9911	0.0000	6,212.8041	6,212.8041	1.9341		6,253.4209

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2617	0.9994	3.9652	2.5400e-003	0.0716	0.0104	0.0820	0.0190	9.5600e-003	0.0286		242.1598	242.1598	2.7100e-003		242.2168
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0954	1.1839	3.2000e-003	0.2555	1.6200e-003	0.2571	0.0678	1.5000e-003	0.0692		244.6904	244.6904	0.0102		244.9042
Total	0.3351	1.0947	5.1490	5.7400e-003	0.3270	0.0120	0.3391	0.0867	0.0111	0.0978		486.8503	486.8503	0.0129		487.1210

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045		6,111.3121	6,111.3121	1.9336		6,151.9167
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306		6,111.3121	6,111.3121	1.9336		6,151.9167

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2359	0.9320	3.6794	2.5300e-003	0.1051	0.0101	0.1153	0.0272	9.3000e-003	0.0365		237.8697	237.8697	2.7200e-003		237.9269
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692		235.0249	235.0249	9.4300e-003		235.2230
Total	0.3025	1.0190	4.7556	5.7100e-003	0.3606	0.0117	0.3723	0.0950	0.0108	0.1057		472.8946	472.8946	0.0122		473.1499

3.3 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0303	0.0000	7.0303	3.4261	0.0000	3.4261			0.0000			0.0000
Off-Road	4.8912	54.1978	40.2888	0.0617		2.5049	2.5049		2.3045	2.3045	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7
Total	4.8912	54.1978	40.2888	0.0617	7.0303	2.5049	9.5352	3.4261	2.3045	5.7306	0.0000	6,111.312 1	6,111.312 1	1.9336		6,151.916 7

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.2359	0.9320	3.6794	2.5300e-003	0.1051	0.0101	0.1153	0.0272	9.3000e-003	0.0365		237.8697	237.8697	2.7200e-003		237.9269
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0870	1.0763	3.1800e-003	0.2555	1.5800e-003	0.2570	0.0678	1.4600e-003	0.0692		235.0249	235.0249	9.4300e-003		235.2230
Total	0.3025	1.0190	4.7556	5.7100e-003	0.3606	0.0117	0.3723	0.0950	0.0108	0.1057		472.8946	472.8946	0.0122		473.1499

3.4 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7576	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447		2,208.9731	2,208.9731	0.6989		2,223.6499

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		176.2687	176.2687	7.0800e-003		176.4173
Total	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		176.2687	176.2687	7.0800e-003		176.4173

3.4 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4259	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7576	14.9353	14.3652	0.0223		0.8094	0.8094		0.7447	0.7447	0.0000	2,208.9731	2,208.9731	0.6989		2,223.6499

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		176.2687	176.2687	7.0800e-003		176.4173
Total	0.0500	0.0652	0.8072	2.3900e-003	0.1916	1.1900e-003	0.1928	0.0508	1.1000e-003	0.0519		176.2687	176.2687	7.0800e-003		176.4173

3.4 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6618	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799		2,160.7571	2,160.7571	0.6988		2,175.4326

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		169.2871	169.2871	6.6700e-003		169.4272
Total	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		169.2871	169.2871	6.6700e-003		169.4272

3.4 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3301	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799	0.0000	2,160.7571	2,160.7571	0.6988		2,175.4326
Paving	0.3317					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6618	13.7845	14.3523	0.0223		0.7390	0.7390		0.6799	0.6799	0.0000	2,160.7571	2,160.7571	0.6988		2,175.4326

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		169.2871	169.2871	6.6700e-003		169.4272
Total	0.0461	0.0601	0.7441	2.3900e-003	0.1916	1.1800e-003	0.1928	0.0508	1.0900e-003	0.0519		169.2871	169.2871	6.6700e-003		169.4272

3.5 Building Construction - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.5121	43.9675	76.4472	0.1816	5.0613	0.7682	5.8294	1.4497	0.7065	2.1562		17,004.1328	17,004.1328	0.1252		17,006.7614
Worker	7.2400	9.4380	116.8167	0.3748	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		26,578.0705	26,578.0705	1.0472		26,600.0619
Total	13.7520	53.4055	193.2638	0.5563	35.1418	0.9528	36.0946	9.4268	0.8777	10.3045		43,582.2033	43,582.2033	1.1724		43,606.8234

3.5 Building Construction - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	6.5121	43.9675	76.4472	0.1816	5.0613	0.7682	5.8294	1.4497	0.7065	2.1562		17,004.1328	17,004.1328	0.1252		17,006.7614
Worker	7.2400	9.4380	116.8167	0.3748	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		26,578.0705	26,578.0705	1.0472		26,600.0619
Total	13.7520	53.4055	193.2638	0.5563	35.1418	0.9528	36.0946	9.4268	0.8777	10.3045		43,582.2033	43,582.2033	1.1724		43,606.8234

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8452	36.4996	69.7087	0.1812	5.0621	0.6885	5.7506	1.4501	0.6334	2.0835		16,977.2004	16,977.2004	0.1239		16,979.8021
Worker	6.8248	8.8189	109.5317	0.3747	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		26,130.5060	26,130.5060	0.9978		26,151.4607
Total	12.6701	45.3185	179.2404	0.5559	35.1426	0.8730	36.0157	9.4271	0.8046	10.2317		43,107.7064	43,107.7064	1.1217		43,131.2628

3.5 Building Construction - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.8452	36.4996	69.7087	0.1812	5.0621	0.6885	5.7506	1.4501	0.6334	2.0835		16,977.2004	16,977.2004	0.1239		16,979.8021
Worker	6.8248	8.8189	109.5317	0.3747	30.0805	0.1846	30.2651	7.9771	0.1712	8.1482		26,130.5060	26,130.5060	0.9978		26,151.4607
Total	12.6701	45.3185	179.2404	0.5559	35.1426	0.8730	36.0157	9.4271	0.8046	10.2317		43,107.7064	43,107.7064	1.1217		43,131.2628

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581		2,543.7497	2,543.7497	0.6085		2,556.5286

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5781	32.4873	66.5976	0.1810	5.0630	0.6748	5.7378	1.4504	0.6208	2.0713		16,965.3380	16,965.3380	0.1256		16,967.9752
Worker	6.4594	8.2855	103.1195	0.3747	30.0805	0.1849	30.2655	7.9771	0.1715	8.1486		25,725.8738	25,725.8738	0.9555		25,745.9390
Total	12.0375	40.7727	169.7171	0.5557	35.1435	0.8597	36.0032	9.4275	0.7924	10.2198		42,691.2118	42,691.2118	1.0811		42,713.9143

3.5 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286
Total	1.6992	15.5364	16.3276	0.0268		0.8057	0.8057		0.7581	0.7581	0.0000	2,543.7497	2,543.7497	0.6085		2,556.5286

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	5.5781	32.4873	66.5976	0.1810	5.0630	0.6748	5.7378	1.4504	0.6208	2.0713		16,965.3380	16,965.3380	0.1256		16,967.9752
Worker	6.4594	8.2855	103.1195	0.3747	30.0805	0.1849	30.2655	7.9771	0.1715	8.1486		25,725.8738	25,725.8738	0.9555		25,745.9390
Total	12.0375	40.7727	169.7171	0.5557	35.1435	0.8597	36.0032	9.4275	0.7924	10.2198		42,691.2118	42,691.2118	1.0811		42,713.9143

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557		2,544.6262	2,544.6262	0.6044		2,557.3191

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.9502	29.0873	60.8443	0.1807	5.0635	0.6326	5.6961	1.4507	0.5820	2.0327		16,943.0877	16,943.0877	0.1188		16,945.5833
Worker	6.1187	7.8137	97.2325	0.3747	30.0805	0.1853	30.2658	7.9771	0.1719	8.1490		25,361.2137	25,361.2137	0.9181		25,380.4942
Total	11.0689	36.9010	158.0768	0.5553	35.1440	0.8180	35.9620	9.4277	0.7539	10.1817		42,304.3014	42,304.3014	1.0370		42,326.0775

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191
Total	1.5661	14.3126	16.2093	0.0268		0.6967	0.6967		0.6557	0.6557	0.0000	2,544.6262	2,544.6262	0.6044		2,557.3191

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.9502	29.0873	60.8443	0.1807	5.0635	0.6326	5.6961	1.4507	0.5820	2.0327		16,943.0877	16,943.0877	0.1188		16,945.5833
Worker	6.1187	7.8137	97.2325	0.3747	30.0805	0.1853	30.2658	7.9771	0.1719	8.1490		25,361.2137	25,361.2137	0.9181		25,380.4942
Total	11.0689	36.9010	158.0768	0.5553	35.1440	0.8180	35.9620	9.4277	0.7539	10.1817		42,304.3014	42,304.3014	1.0370		42,326.0775

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744		2,545.1154	2,545.1154	0.6009		2,557.7349

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.8689	28.7618	59.7682	0.1807	5.0646	0.6348	5.6994	1.4511	0.5840	2.0351		16,949.1403	16,949.1403	0.1192		16,951.6445
Worker	5.8248	7.4146	92.5478	0.3746	30.0805	0.1861	30.2666	7.9771	0.1726	8.1497		25,037.7689	25,037.7689	0.8864		25,056.3834
Total	10.6937	36.1763	152.3160	0.5553	35.1451	0.8209	35.9659	9.4281	0.7567	10.1848		41,986.9092	41,986.9092	1.0057		42,008.0279

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349
Total	1.4653	13.3774	16.1332	0.0268		0.6106	0.6106		0.5744	0.5744	0.0000	2,545.1154	2,545.1154	0.6009		2,557.7349

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.8689	28.7618	59.7682	0.1807	5.0646	0.6348	5.6994	1.4511	0.5840	2.0351		16,949.1403	16,949.1403	0.1192		16,951.6445
Worker	5.8248	7.4146	92.5478	0.3746	30.0805	0.1861	30.2666	7.9771	0.1726	8.1497		25,037.7689	25,037.7689	0.8864		25,056.3834
Total	10.6937	36.1763	152.3160	0.5553	35.1451	0.8209	35.9659	9.4281	0.7567	10.1848		41,986.9092	41,986.9092	1.0057		42,008.0279

3.5 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7478	28.4470	58.0107	0.1807	5.0655	0.6361	5.7016	1.4515	0.5853	2.0367		16,953.4394	16,953.4394	0.1196		16,955.9501
Worker	5.5766	7.0766	88.6678	0.3746	30.0805	0.1872	30.2677	7.9771	0.1737	8.1507		24,753.8109	24,753.8109	0.8596		24,771.8615
Total	10.3244	35.5236	146.6785	0.5553	35.1460	0.8234	35.9694	9.4285	0.7589	10.1875		41,707.2503	41,707.2503	0.9791		41,727.8116

3.5 Building Construction - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7478	28.4470	58.0107	0.1807	5.0655	0.6361	5.7016	1.4515	0.5853	2.0367		16,953.4394	16,953.4394	0.1196		16,955.9501
Worker	5.5766	7.0766	88.6678	0.3746	30.0805	0.1872	30.2677	7.9771	0.1737	8.1507		24,753.8109	24,753.8109	0.8596		24,771.8615
Total	10.3244	35.5236	146.6785	0.5553	35.1460	0.8234	35.9694	9.4285	0.7589	10.1875		41,707.2503	41,707.2503	0.9791		41,727.8116

3.5 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7065	28.1253	57.3503	0.1807	5.0660	0.6356	5.7016	1.4517	0.5848	2.0364		16,957.7370	16,957.7370	0.1196		16,960.2493
Worker	5.3562	6.7917	85.4389	0.3746	30.0805	0.1888	30.2693	7.9771	0.1752	8.1523		24,509.3728	24,509.3728	0.8369		24,526.9467
Total	10.0627	34.9170	142.7892	0.5553	35.1465	0.8244	35.9710	9.4287	0.7600	10.1887		41,467.1098	41,467.1098	0.9565		41,487.1960

3.5 Building Construction - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7065	28.1253	57.3503	0.1807	5.0660	0.6356	5.7016	1.4517	0.5848	2.0364		16,957.7370	16,957.7370	0.1196		16,960.2493
Worker	5.3562	6.7917	85.4389	0.3746	30.0805	0.1888	30.2693	7.9771	0.1752	8.1523		24,509.3728	24,509.3728	0.8369		24,526.9467
Total	10.0627	34.9170	142.7892	0.5553	35.1465	0.8244	35.9710	9.4287	0.7600	10.1887		41,467.1098	41,467.1098	0.9565		41,487.1960

3.5 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7264	27.9044	57.1129	0.1808	5.0667	0.6362	5.7029	1.4519	0.5853	2.0373		16,962.3732	16,962.3732	0.1199		16,964.8901
Worker	5.1486	6.5367	82.5714	0.3746	30.0805	0.1902	30.2707	7.9771	0.1765	8.1535		24,297.0715	24,297.0715	0.8164		24,314.2164
Total	9.8750	34.4411	139.6843	0.5554	35.1472	0.8264	35.9736	9.4290	0.7618	10.1908		41,259.4447	41,259.4447	0.9363		41,279.1065

3.5 Building Construction - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7264	27.9044	57.1129	0.1808	5.0667	0.6362	5.7029	1.4519	0.5853	2.0373		16,962.3732	16,962.3732	0.1199		16,964.8901
Worker	5.1486	6.5367	82.5714	0.3746	30.0805	0.1902	30.2707	7.9771	0.1765	8.1535		24,297.0715	24,297.0715	0.8164		24,314.2164
Total	9.8750	34.4411	139.6843	0.5554	35.1472	0.8264	35.9736	9.4290	0.7618	10.1908		41,259.4447	41,259.4447	0.9363		41,279.1065

3.5 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7229	27.6954	56.7763	0.1808	5.0672	0.6362	5.7034	1.4522	0.5853	2.0375		16,966.2043	16,966.2043	0.1200		16,968.7233
Worker	4.9543	6.3029	80.0346	0.3746	30.0805	0.1914	30.2719	7.9771	0.1776	8.1546		24,114.5827	24,114.5827	0.7980		24,131.3408
Total	9.6772	33.9983	136.8108	0.5554	35.1477	0.8276	35.9753	9.4292	0.7629	10.1921		41,080.7870	41,080.7870	0.9180		41,100.0641

3.5 Building Construction - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7229	27.6954	56.7763	0.1808	5.0672	0.6362	5.7034	1.4522	0.5853	2.0375		16,966.2043	16,966.2043	0.1200		16,968.7233
Worker	4.9543	6.3029	80.0346	0.3746	30.0805	0.1914	30.2719	7.9771	0.1776	8.1546		24,114.5827	24,114.5827	0.7980		24,131.3408
Total	9.6772	33.9983	136.8108	0.5554	35.1477	0.8276	35.9753	9.4292	0.7629	10.1921		41,080.7870	41,080.7870	0.9180		41,100.0641

3.5 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939		2,545.8905	2,545.8905	0.5975		2,558.4386

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7229	27.5266	56.5455	0.1808	5.0678	0.6361	5.7038	1.4524	0.5852	2.0376		16,969.4444	16,969.4444	0.1200		16,971.9651
Worker	4.7608	6.0769	77.5803	0.3746	30.0805	0.1923	30.2728	7.9771	0.1784	8.1554		23,958.1243	23,958.1243	0.7802		23,974.5091
Total	9.4837	33.6035	134.1258	0.5555	35.1483	0.8284	35.9766	9.4294	0.7636	10.1930		40,927.5688	40,927.5688	0.9003		40,946.4742

3.5 Building Construction - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386
Total	1.3615	12.4097	16.0518	0.0269		0.5250	0.5250		0.4939	0.4939	0.0000	2,545.8905	2,545.8905	0.5975		2,558.4386

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7229	27.5266	56.5455	0.1808	5.0678	0.6361	5.7038	1.4524	0.5852	2.0376		16,969.4444	16,969.4444	0.1200		16,971.9651
Worker	4.7608	6.0769	77.5803	0.3746	30.0805	0.1923	30.2728	7.9771	0.1784	8.1554		23,958.1243	23,958.1243	0.7802		23,974.5091
Total	9.4837	33.6035	134.1258	0.5555	35.1483	0.8284	35.9766	9.4294	0.7636	10.1930		40,927.5688	40,927.5688	0.9003		40,946.4742

3.5 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6506	27.3228	55.9304	0.1809	5.0681	0.6358	5.7040	1.4525	0.5850	2.0375		16,971.2231	16,971.2231	0.1201		16,973.7452
Worker	4.5829	5.8790	75.5586	0.3746	30.0805	0.1930	30.2735	7.9771	0.1790	8.1561		23,826.1299	23,826.1299	0.7644		23,842.1825
Total	9.2335	33.2018	131.4890	0.5555	35.1486	0.8288	35.9774	9.4296	0.7640	10.1936		40,797.3530	40,797.3530	0.8845		40,815.9277

3.5 Building Construction - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6506	27.3228	55.9304	0.1809	5.0681	0.6358	5.7040	1.4525	0.5850	2.0375		16,971.2231	16,971.2231	0.1201		16,973.7452
Worker	4.5829	5.8790	75.5586	0.3746	30.0805	0.1930	30.2735	7.9771	0.1790	8.1561		23,826.1299	23,826.1299	0.7644		23,842.1825
Total	9.2335	33.2018	131.4890	0.5555	35.1486	0.8288	35.9774	9.4296	0.7640	10.1936		40,797.3530	40,797.3530	0.8845		40,815.9277

3.5 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6824	27.2020	55.9176	0.1809	5.0687	0.6361	5.7048	1.4528	0.5852	2.0380		16,975.1379	16,975.1379	0.1202		16,977.6620
Worker	4.4126	5.6896	73.6856	0.3747	30.0805	0.1933	30.2738	7.9771	0.1793	8.1564		23,715.0339	23,715.0339	0.7497		23,730.7771
Total	9.0950	32.8917	129.6032	0.5556	35.1492	0.8293	35.9786	9.4298	0.7645	10.1943		40,690.1718	40,690.1718	0.8699		40,708.4392

3.5 Building Construction - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6824	27.2020	55.9176	0.1809	5.0687	0.6361	5.7048	1.4528	0.5852	2.0380		16,975.1379	16,975.1379	0.1202		16,977.6620
Worker	4.4126	5.6896	73.6856	0.3747	30.0805	0.1933	30.2738	7.9771	0.1793	8.1564		23,715.0339	23,715.0339	0.7497		23,730.7771
Total	9.0950	32.8917	129.6032	0.5556	35.1492	0.8293	35.9786	9.4298	0.7645	10.1943		40,690.1718	40,690.1718	0.8699		40,708.4392

3.5 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7107	27.1023	55.8917	0.1809	5.0693	0.6363	5.7056	1.4530	0.5854	2.0384		16,979.2550	16,979.2550	0.1203		16,981.7810
Worker	4.2548	5.5238	72.0681	0.3747	30.0805	0.1934	30.2739	7.9771	0.1794	8.1565		23,622.1069	23,622.1069	0.7366		23,637.5763
Total	8.9655	32.6261	127.9597	0.5556	35.1498	0.8297	35.9795	9.4301	0.7648	10.1949		40,601.3619	40,601.3619	0.8569		40,619.3573

3.5 Building Construction - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7107	27.1023	55.8917	0.1809	5.0693	0.6363	5.7056	1.4530	0.5854	2.0384		16,979.2550	16,979.2550	0.1203		16,981.7810
Worker	4.2548	5.5238	72.0681	0.3747	30.0805	0.1934	30.2739	7.9771	0.1794	8.1565		23,622.1069	23,622.1069	0.7366		23,637.5763
Total	8.9655	32.6261	127.9597	0.5556	35.1498	0.8297	35.9795	9.4301	0.7648	10.1949		40,601.3619	40,601.3619	0.8569		40,619.3573

3.5 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7133	26.9899	55.7934	0.1810	5.0699	0.6363	5.7062	1.4532	0.5854	2.0387		16,982.6591	16,982.6591	0.1203		16,985.1862
Worker	4.1158	5.3870	70.7559	0.3747	30.0805	0.1935	30.2740	7.9771	0.1795	8.1566		23,545.0179	23,545.0179	0.7256		23,560.2558
Total	8.8291	32.3769	126.5492	0.5557	35.1504	0.8298	35.9802	9.4303	0.7650	10.1952		40,527.6770	40,527.6770	0.8460		40,545.4420

3.5 Building Construction - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7133	26.9899	55.7934	0.1810	5.0699	0.6363	5.7062	1.4532	0.5854	2.0387		16,982.6591	16,982.6591	0.1203		16,985.1862
Worker	4.1158	5.3870	70.7559	0.3747	30.0805	0.1935	30.2740	7.9771	0.1795	8.1566		23,545.0179	23,545.0179	0.7256		23,560.2558
Total	8.8291	32.3769	126.5492	0.5557	35.1504	0.8298	35.9802	9.4303	0.7650	10.1952		40,527.6770	40,527.6770	0.8460		40,545.4420

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476		2,884.8300	2,884.8300	0.1158		2,887.2617

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7101	26.8966	55.7388	0.1810	5.0703	0.6363	5.7066	1.4534	0.5854	2.0388		16,985.7609	16,985.7609	0.1204		16,988.2890
Worker	3.9762	5.2716	69.4883	0.3747	30.0805	0.1933	30.2739	7.9771	0.1794	8.1564		23,479.8647	23,479.8647	0.7152		23,494.8848
Total	8.6862	32.1682	125.2270	0.5557	35.1508	0.8296	35.9804	9.4305	0.7647	10.1952		40,465.6256	40,465.6256	0.8356		40,483.1738

3.5 Building Construction - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617
Total	1.3041	7.9179	16.1313	0.0308		0.1476	0.1476		0.1476	0.1476	0.0000	2,884.8300	2,884.8300	0.1158		2,887.2617

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.7101	26.8966	55.7388	0.1810	5.0703	0.6363	5.7066	1.4534	0.5854	2.0388		16,985.7609	16,985.7609	0.1204		16,988.2890
Worker	3.9762	5.2716	69.4883	0.3747	30.0805	0.1933	30.2739	7.9771	0.1794	8.1564		23,479.8647	23,479.8647	0.7152		23,494.8848
Total	8.6862	32.1682	125.2270	0.5557	35.1508	0.8296	35.9804	9.4305	0.7647	10.1952		40,465.6256	40,465.6256	0.8356		40,483.1738

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901		2,884.8300	2,884.8300	0.1075		2,887.0878

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6845	26.8102	55.6673	0.1810	5.0707	0.6359	5.7066	1.4535	0.5850	2.0386		16,988.0106	16,988.0106	0.1204		16,990.5392
Worker	3.8510	5.1813	68.3836	0.3747	30.0805	0.1931	30.2736	7.9771	0.1792	8.1562		23,425.6915	23,425.6915	0.7062		23,440.5208
Total	8.5355	31.9915	124.0508	0.5557	35.1512	0.8290	35.9802	9.4306	0.7642	10.1948		40,413.7021	40,413.7021	0.8266		40,431.0600

3.5 Building Construction - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878
Total	1.2123	7.1510	16.0922	0.0308		0.0901	0.0901		0.0901	0.0901	0.0000	2,884.8300	2,884.8300	0.1075		2,887.0878

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	4.6845	26.8102	55.6673	0.1810	5.0707	0.6359	5.7066	1.4535	0.5850	2.0386		16,988.0106	16,988.0106	0.1204		16,990.5392
Worker	3.8510	5.1813	68.3836	0.3747	30.0805	0.1931	30.2736	7.9771	0.1792	8.1562		23,425.6915	23,425.6915	0.7062		23,440.5208
Total	8.5355	31.9915	124.0508	0.5557	35.1512	0.8290	35.9802	9.4306	0.7642	10.1948		40,413.7021	40,413.7021	0.8266		40,431.0600

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	14.0812	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4480	1.8876	23.3633	0.0750	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		5,315.6141	5,315.6141	0.2094		5,320.0124
Total	1.4480	1.8876	23.3633	0.0750	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		5,315.6141	5,315.6141	0.2094		5,320.0124

3.6 Architectural Coating - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	14.0812	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.4480	1.8876	23.3633	0.0750	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		5,315.6141	5,315.6141	0.2094		5,320.0124
Total	1.4480	1.8876	23.3633	0.0750	6.0161	0.0369	6.0530	1.5954	0.0342	1.6297		5,315.6141	5,315.6141	0.2094		5,320.0124

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	14.0579	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.3650	1.7638	21.9063	0.0749	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		5,226.1012	5,226.1012	0.1996		5,230.2922
Total	1.3650	1.7638	21.9063	0.0749	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		5,226.1012	5,226.1012	0.1996		5,230.2922

3.6 Architectural Coating - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	14.0579	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.3650	1.7638	21.9063	0.0749	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		5,226.1012	5,226.1012	0.1996		5,230.2922
Total	1.3650	1.7638	21.9063	0.0749	6.0161	0.0369	6.0530	1.5954	0.0342	1.6296		5,226.1012	5,226.1012	0.1996		5,230.2922

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329
Total	14.0436	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.8329

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2919	1.6571	20.6239	0.0749	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		5,145.1748	5,145.1748	0.1911		5,149.1878
Total	1.2919	1.6571	20.6239	0.0749	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		5,145.1748	5,145.1748	0.1911		5,149.1878

3.6 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329
Total	14.0436	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.8329

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2919	1.6571	20.6239	0.0749	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		5,145.1748	5,145.1748	0.1911		5,149.1878
Total	1.2919	1.6571	20.6239	0.0749	6.0161	0.0370	6.0531	1.5954	0.0343	1.6297		5,145.1748	5,145.1748	0.1911		5,149.1878

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017
Total	14.0307	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8017

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2237	1.5627	19.4465	0.0749	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		5,072.2427	5,072.2427	0.1836		5,076.0989
Total	1.2237	1.5627	19.4465	0.0749	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		5,072.2427	5,072.2427	0.1836		5,076.0989

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8017
Total	14.0307	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8017

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.2237	1.5627	19.4465	0.0749	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		5,072.2427	5,072.2427	0.1836		5,076.0989
Total	1.2237	1.5627	19.4465	0.0749	6.0161	0.0371	6.0532	1.5954	0.0344	1.6298		5,072.2427	5,072.2427	0.1836		5,076.0989

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809
Total	14.0198	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.7809

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.1650	1.4829	18.5096	0.0749	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		5,007.5538	5,007.5538	0.1773		5,011.2767
Total	1.1650	1.4829	18.5096	0.0749	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		5,007.5538	5,007.5538	0.1773		5,011.2767

3.6 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.7809
Total	14.0198	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.7809

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.1650	1.4829	18.5096	0.0749	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		5,007.5538	5,007.5538	0.1773		5,011.2767
Total	1.1650	1.4829	18.5096	0.0749	6.0161	0.0372	6.0533	1.5954	0.0345	1.6299		5,007.5538	5,007.5538	0.1773		5,011.2767

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.1153	1.4153	17.7336	0.0749	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,950.7622	4,950.7622	0.1719		4,954.3723
Total	1.1153	1.4153	17.7336	0.0749	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,950.7622	4,950.7622	0.1719		4,954.3723

3.6 Architectural Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.1153	1.4153	17.7336	0.0749	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,950.762 2	4,950.762 2	0.1719		4,954.372 3
Total	1.1153	1.4153	17.7336	0.0749	6.0161	0.0374	6.0535	1.5954	0.0347	1.6302		4,950.762 2	4,950.762 2	0.1719		4,954.372 3

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0712	1.3584	17.0878	0.0749	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,901.8746	4,901.8746	0.1674		4,905.3893
Total	1.0712	1.3584	17.0878	0.0749	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,901.8746	4,901.8746	0.1674		4,905.3893

3.6 Architectural Coating - 2026

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0712	1.3584	17.0878	0.0749	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,901.8746	4,901.8746	0.1674		4,905.3893
Total	1.0712	1.3584	17.0878	0.0749	6.0161	0.0378	6.0539	1.5954	0.0350	1.6305		4,901.8746	4,901.8746	0.1674		4,905.3893

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0297	1.3073	16.5143	0.0749	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,859.4143	4,859.4143	0.1633		4,862.8433
Total	1.0297	1.3073	16.5143	0.0749	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,859.4143	4,859.4143	0.1633		4,862.8433

3.6 Architectural Coating - 2027

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.0297	1.3073	16.5143	0.0749	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,859.4143	4,859.4143	0.1633		4,862.8433
Total	1.0297	1.3073	16.5143	0.0749	6.0161	0.0380	6.0541	1.5954	0.0353	1.6307		4,859.4143	4,859.4143	0.1633		4,862.8433

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9909	1.2606	16.0069	0.0749	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,822.9165	4,822.9165	0.1596		4,826.2682
Total	0.9909	1.2606	16.0069	0.0749	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,822.9165	4,822.9165	0.1596		4,826.2682

3.6 Architectural Coating - 2028

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9909	1.2606	16.0069	0.0749	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,822.9165	4,822.9165	0.1596		4,826.2682
Total	0.9909	1.2606	16.0069	0.0749	6.0161	0.0383	6.0544	1.5954	0.0355	1.6309		4,822.9165	4,822.9165	0.1596		4,826.2682

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.7705

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9522	1.2154	15.5161	0.0749	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,791.6249	4,791.6249	0.1561		4,794.9018
Total	0.9522	1.2154	15.5161	0.0749	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,791.6249	4,791.6249	0.1561		4,794.9018

3.6 Architectural Coating - 2029

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705
Total	14.0099	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.7705

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9522	1.2154	15.5161	0.0749	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,791.6249	4,791.6249	0.1561		4,794.9018
Total	0.9522	1.2154	15.5161	0.0749	6.0161	0.0385	6.0546	1.5954	0.0357	1.6311		4,791.6249	4,791.6249	0.1561		4,794.9018

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9166	1.1758	15.1117	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,765.2260	4,765.2260	0.1529		4,768.4365
Total	0.9166	1.1758	15.1117	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,765.2260	4,765.2260	0.1529		4,768.4365

3.6 Architectural Coating - 2030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.9166	1.1758	15.1117	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,765.2260	4,765.2260	0.1529		4,768.4365
Total	0.9166	1.1758	15.1117	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6312		4,765.2260	4,765.2260	0.1529		4,768.4365

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8825	1.1379	14.7371	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,743.0068	4,743.0068	0.1499		4,746.1554
Total	0.8825	1.1379	14.7371	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,743.0068	4,743.0068	0.1499		4,746.1554

3.6 Architectural Coating - 2031

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8825	1.1379	14.7371	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,743.0068	4,743.0068	0.1499		4,746.1554
Total	0.8825	1.1379	14.7371	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,743.0068	4,743.0068	0.1499		4,746.1554

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8510	1.1048	14.4136	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,724.4214	4,724.4214	0.1473		4,727.5153
Total	0.8510	1.1048	14.4136	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,724.4214	4,724.4214	0.1473		4,727.5153

3.6 Architectural Coating - 2032

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8510	1.1048	14.4136	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,724.4214	4,724.4214	0.1473		4,727.5153
Total	0.8510	1.1048	14.4136	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,724.4214	4,724.4214	0.1473		4,727.5153

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8232	1.0774	14.1512	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,709.0036	4,709.0036	0.1451		4,712.0512
Total	0.8232	1.0774	14.1512	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,709.0036	4,709.0036	0.1451		4,712.0512

3.6 Architectural Coating - 2033

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.8232	1.0774	14.1512	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,709.0036	4,709.0036	0.1451		4,712.0512
Total	0.8232	1.0774	14.1512	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,709.0036	4,709.0036	0.1451		4,712.0512

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.6873

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7952	1.0543	13.8977	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,695.9729	4,695.9729	0.1431		4,698.9770
Total	0.7952	1.0543	13.8977	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,695.9729	4,695.9729	0.1431		4,698.9770

3.6 Architectural Coating - 2034

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873
Total	13.9698	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203	0.0000	281.4481	281.4481	0.0114		281.6873

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7952	1.0543	13.8977	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,695.9729	4,695.9729	0.1431		4,698.9770
Total	0.7952	1.0543	13.8977	0.0749	6.0161	0.0387	6.0548	1.5954	0.0359	1.6313		4,695.9729	4,695.9729	0.1431		4,698.9770

3.6 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665
Total	13.9569	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.6665

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7702	1.0363	13.6767	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,685.1383	4,685.1383	0.1412		4,688.1042
Total	0.7702	1.0363	13.6767	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,685.1383	4,685.1383	0.1412		4,688.1042

3.6 Architectural Coating - 2035

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.8390					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665
Total	13.9569	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	281.4481	281.4481	0.0104		281.6665

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.7702	1.0363	13.6767	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,685.1383	4,685.1383	0.1412		4,688.1042
Total	0.7702	1.0363	13.6767	0.0749	6.0161	0.0386	6.0547	1.5954	0.0358	1.6313		4,685.1383	4,685.1383	0.1412		4,688.1042

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	60.1486	96.1427	462.1762	1.6214	99.5815	2.2003	101.7818	26.7199	2.0301	28.7499		118,204.5351	118,204.5351	2.6292		118,259.7481
Unmitigated	60.1486	96.1427	462.1762	1.6214	99.5815	2.2003	101.7818	26.7199	2.0301	28.7499		118,204.5351	118,204.5351	2.6292		118,259.7481

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	5,601.50	6,086.00	5159.50	11,297,401	11,297,401
Hotel	1,225.50	1,228.50	892.50	1,281,323	1,281,323
Manufacturing	3,376.88	1,317.16	548.08	5,598,139	5,598,139
Other Asphalt Surfaces	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
Regional Shopping Center	4,294.00	4,997.00	2524.00	4,069,089	4,069,089
Regional Shopping Center	1,080.16	1,257.00	634.91	1,023,579	1,023,579
Research & Development	12,246.10	2,869.00	1676.10	14,720,098	14,720,098
Research & Development	372.26	87.21	50.95	447,462	447,462
Parking Lot	0.00	0.00	0.00		
Total	28,196.39	17,841.87	11,486.04	38,437,091	38,437,091

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	9.09	3.84	4.27	42.60	21.00	36.40	86	11	3
Hotel	7.95	3.57	3.57	19.40	61.60	19.00	58	38	4
Manufacturing	7.95	3.57	3.57	59.00	28.00	13.00	92	5	3
Other Asphalt Surfaces	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0
Regional Shopping Center	7.95	3.57	3.57	16.30	64.70	19.00	54	35	11
Regional Shopping Center	7.95	3.57	3.57	16.30	64.70	19.00	54	35	11
Research & Development	7.95	3.57	3.57	33.00	48.00	19.00	82	15	3
Research & Development	7.95	3.57	3.57	33.00	48.00	19.00	82	15	3
Parking Lot	7.95	3.57	3.57	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.482064	0.068502	0.148828	0.142624	0.058603	0.006592	0.039838	0.040189	0.000921	0.001765	0.007545	0.000550	0.001979

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342
NaturalGas Unmitigated	1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	16773.6	0.1809	1.6445	1.3814	9.8700e-003		0.1250	0.1250		0.1250	0.1250		1,973.3628	1,973.3628	0.0378	0.0362	1,985.3723
Manufacturing	47493.8	0.5122	4.6563	3.9113	0.0279		0.3539	0.3539		0.3539	0.3539		5,587.5069	5,587.5069	0.1071	0.1024	5,621.5115
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	3367.12	0.0363	0.3301	0.2773	1.9800e-003		0.0251	0.0251		0.0251	0.0251		396.1322	396.1322	7.5900e-003	7.2600e-003	398.5430
Regional Shopping Center	847	9.1300e-003	0.0830	0.0698	5.0000e-004		6.3100e-003	6.3100e-003		6.3100e-003	6.3100e-003		99.6470	99.6470	1.9100e-003	1.8300e-003	100.2535
Research & Development	2466.08	0.0266	0.2418	0.2031	1.4500e-003		0.0184	0.0184		0.0184	0.0184		290.1269	290.1269	5.5600e-003	5.3200e-003	291.8925
Research & Development	81126.3	0.8749	7.9536	6.6810	0.0477		0.6045	0.6045		0.6045	0.6045		9,544.2708	9,544.2708	0.1829	0.1750	9,602.3556
Apartments Mid Rise	23235.2	0.2506	2.1413	0.9112	0.0137		0.1731	0.1731		0.1731	0.1731		2,733.5534	2,733.5534	0.0524	0.0501	2,750.1894
Total		1.8906	17.0505	13.4349	0.1031		1.3062	1.3062		1.3062	1.3062		20,624.5999	20,624.5999	0.3953	0.3781	20,750.1177

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Hotel	11.7881	0.1271	1.1557	0.9708	6.9300e-003		0.0878	0.0878		0.0878	0.0878		1,386.8297	1,386.8297	0.0266	0.0254	1,395.2697
Manufacturing	33.2893	0.3590	3.2637	2.7415	0.0196		0.2480	0.2480		0.2480	0.2480		3,916.3836	3,916.3836	0.0751	0.0718	3,940.2180
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0.600343	6.4700e-003	0.0589	0.0494	3.5000e-004		4.4700e-003	4.4700e-003		4.4700e-003	4.4700e-003		70.6286	70.6286	1.3500e-003	1.2900e-003	71.0584
Regional Shopping Center	2.38658	0.0257	0.2340	0.1965	1.4000e-003		0.0178	0.0178		0.0178	0.0178		280.7736	280.7736	5.3800e-003	5.1500e-003	282.4823
Research & Development	1.72852	0.0186	0.1695	0.1424	1.0200e-003		0.0129	0.0129		0.0129	0.0129		203.3551	203.3551	3.9000e-003	3.7300e-003	204.5927
Research & Development	56.8629	0.6132	5.5748	4.6828	0.0335		0.4237	0.4237		0.4237	0.4237		6,689.7502	6,689.7502	0.1282	0.1227	6,730.4629
Apartments Mid Rise	17.4636	0.1883	1.6094	0.6849	0.0103		0.1301	0.1301		0.1301	0.1301		2,054.5466	2,054.5466	0.0394	0.0377	2,067.0502
Total		1.3385	12.0658	9.4683	0.0730		0.9248	0.9248		0.9248	0.9248		14,602.2673	14,602.2673	0.2799	0.2677	14,691.1342

6.0 Area Detail

6.1 Mitigation Measures Area

Use only Natural Gas Hearths

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	125.1397	0.8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199
Unmitigated	2,058.7080	27.0335	2,448.6235	0.9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.6353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.5432					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,926.4146	26.2247	2,378.4642	0.9450		333.9878	333.9878		333.9812	333.9812	35,089.1179	9,900.0000	44,989.1179	32.7934	2.6622	46,503.0664
Landscaping	2.1150	0.8087	70.1593	3.7200e-003		0.3899	0.3899		0.3899	0.3899		126.8725	126.8725	0.1218		129.4294
Total	2,058.7080	27.0335	2,448.6235	0.9488		334.3777	334.3777		334.3711	334.3711	35,089.1179	10,026.8725	45,115.9904	32.9152	2.6622	46,632.4958

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	14.6353					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	106.9044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.4850	7.0000e-005	0.0810	0.0000		1.0260	1.0260		1.0152	1.0152	0.0000	16,200.0000	16,200.0000	0.3105	0.2970	16,298.5905
Landscaping	2.1150	0.8087	70.1593	3.7200e-003		0.3899	0.3899		0.3899	0.3899		126.8725	126.8725	0.1218		129.4294
Total	125.1397	0.8088	70.2403	3.7200e-003		1.4159	1.4159		1.4051	1.4051	0.0000	16,326.8725	16,326.8725	0.4323	0.2970	16,428.0199

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Vegetation

