

Appendix B

Air Quality, Greenhouse Gas, and Energy Modeling

West Davis Active Adult Community - Yolo County, Annual

West Davis Active Adult Community
Yolo County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	8.00	1000sqft	0.18	8,000.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Apartments Low Rise	150.00	Dwelling Unit	4.26	150,000.00	429
Retirement Community	142.00	Dwelling Unit	9.21	142,000.00	406
Congregate Care (Assisted Living)	30.00	Dwelling Unit	3.03	30,000.00	86
Single Family Housing	77.00	Dwelling Unit	8.90	138,600.00	220
City Park	1.10	Acre	1.10	47,916.00	0
Retirement Community	129.00	Dwelling Unit	8.90	129,000.00	369

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2022

Utility Company Pacific Gas & Electric Company

CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
---------------------------------	--------	---------------------------------	-------	---------------------------------	-------

1.3 User Entered Comments & Non-Default Data

West Davis Active Adult Community - Yolo County, Annual

Project Characteristics -

Land Use - As provided by Project Applicant.

Construction Phase - Estimated based on project size.

Grading - 74.49 acres of developed land uses + 11.53 acres of off-site improvements = 86.02 acres

Vehicle Trips - Trip rates provided by the Traffic Study (Fehr & Peers, 2017)

Construction Off-road Equipment Mitigation - As provided by YSAQMD BMPs (Source: Yolo-Solano Air Quality Management District's Handbook for Assessing and Mitigating Air Quality Impacts (2007)).

Mobile Land Use Mitigation - 560 du/74.49 acres = 7.51 du/acre; Existing bus stop is within 0.1 miles of the project site. Affordable units = 150/560 = 26.79%.

Area Mitigation -

Energy Mitigation - Exceed Title 24 by approximately 16.9; equivalent to meeting the 2016 Title 24 standard. See pg. 8:

http://www.energy.ca.gov/title24/2016standards/rulemaking/documents/2015-06-10_hearing/2015-06-10_Adoption_Hearing_Presentation.pdf

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	14
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstructionPhase	NumDays	30.00	29.00
tblConstructionPhase	NumDays	55.00	510.00
tblConstructionPhase	PhaseEndDate	7/21/2020	5/11/2020
tblConstructionPhase	PhaseEndDate	11/3/2020	8/24/2020
tblConstructionPhase	PhaseEndDate	9/5/2023	6/26/2023
tblConstructionPhase	PhaseEndDate	11/21/2023	9/8/2023
tblConstructionPhase	PhaseEndDate	2/6/2024	8/25/2023
tblConstructionPhase	PhaseStartDate	6/10/2020	4/1/2020
tblConstructionPhase	PhaseStartDate	7/22/2020	5/12/2020
tblConstructionPhase	PhaseStartDate	11/4/2020	8/25/2020
tblConstructionPhase	PhaseStartDate	9/6/2023	6/26/2023

West Davis Active Adult Community - Yolo County, Annual

tblConstructionPhase	PhaseStartDate	9/11/2021
tblGrading	AcresOfGrading	86.02
tblLandUse	LotAcreage	4.26
tblLandUse	LotAcreage	9.21
tblLandUse	LotAcreage	3.03
tblLandUse	LotAcreage	8.90
tblLandUse	LotAcreage	8.90
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	12.82
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	12.82
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	12.82

2.0 Emissions Summary

West Davis Active Adult Community - Yolo County, Annual

2.1 Overall Construction
Unmitigated Construction

Year	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2020	0.4002	3.7838	2.8107	6.2900e-003	16.2831	0.1677	16.4508	1.8699	0.1554	2.0253	0.0000	560.1389	560.1389	0.1150	0.0000	563.0149
2021	1.0446	3.3533	3.5524	9.5700e-003	44.3546	0.1334	44.4879	4.4971	0.1256	4.6227	0.0000	860.5132	860.5132	0.0919	0.0000	862.8115
2022	2.3777	3.1849	3.7066	0.0101	49.3874	0.1203	49.5077	5.0070	0.1137	5.1208	0.0000	907.7628	907.7628	0.0922	0.0000	910.0671
2023	1.4994	1.6949	2.2093	5.6300e-003	25.5168	0.0659	25.5826	2.5869	0.0620	2.6489	0.0000	504.0380	504.0380	0.0611	0.0000	505.5648
Maximum	2.3777	3.7838	3.7066	0.0101	49.3874	0.1677	49.5077	5.0070	0.1554	5.1208	0.0000	907.7628	907.7628	0.1150	0.0000	910.0671

West Davis Active Adult Community - Yolo County, Annual

**2.1 Overall Construction
Mitigated Construction**

Year	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2020	0.4002	3.7838	2.8107	6.2900e-003	2.5440	0.1677	2.7118	0.6902	0.1554	0.8456	0.0000	560.1385	560.1385	0.1150	0.0000	563.0144
2021	1.0446	3.3533	3.5523	9.5700e-003	6.5786	0.1334	6.7120	1.6439	0.1256	1.7695	0.0000	860.5128	860.5128	0.0919	0.0000	862.8111
2022	2.3777	3.1849	3.7065	0.0101	7.3241	0.1203	7.4444	1.8300	0.1137	1.9437	0.0000	907.7624	907.7624	0.0922	0.0000	910.0667
2023	1.4994	1.6949	2.2093	5.6300e-003	3.7638	0.0659	3.8497	0.9454	0.0620	1.0074	0.0000	504.0378	504.0378	0.0611	0.0000	505.5646
Maximum	2.3777	3.7838	3.7065	0.0101	7.3241	0.1677	7.4444	1.8300	0.1554	1.9437	0.0000	907.7624	907.7624	0.1150	0.0000	910.0667

Percent Reduction	tons/quarter										tons/quarter					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
0.00	0.00	0.00	0.00	0.00	85.07	0.00	84.77	63.40	0.00	61.39	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOx (tons/quarter)	Maximum Mitigated ROG + NOx (tons/quarter)
1	4-1-2020	6-30-2020	1.6605	1.6605
2	7-1-2020	9-30-2020	1.4890	1.4890
3	10-1-2020	12-31-2020	1.0342	1.0342
4	1-1-2021	3-31-2021	0.9215	0.9215
5	4-1-2021	6-30-2021	0.9263	0.9263
6	7-1-2021	9-30-2021	1.0579	1.0579
7	10-1-2021	12-31-2021	1.5010	1.5010
8	1-1-2022	3-31-2022	1.3814	1.3814

West Davis Active Adult Community - Yolo County, Annual

9	4-1-2022	6-30-2022	1.3917	1.3917
10	7-1-2022	9-30-2022	1.4070	1.4070
11	10-1-2022	12-31-2022	1.4121	1.4121
12	1-1-2023	3-31-2023	1.2898	1.2898
13	4-1-2023	6-30-2023	1.2873	1.2873
14	7-1-2023	9-30-2023	0.6161	0.6161
		Highest	1.6605	1.6605

**2.2 Overall Operational
Unmitigated Operational**

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	70.6908	1.2427	88.0231	0.1525	11.8207	11.8207	11.8207	11.8207	11.8207	11.8207	1,126.2226	319.1800	1,445.4026	1.0799	0.0850	1,497.7169
Energy	0.0435	0.3740	0.1733	2.3700e-003	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301	0.0000	1,287.7426	1,287.7426	0.0470	0.0159	1,293.6602
Mobile	0.9548	7.1290	9.7482	0.0396	172.7438	0.0330	172.7767	17.6731	0.0310	17.7041	0.0000	3,661.0892	3,661.0892	0.1636	0.0000	3,665.1792
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	82.2986	0.0000	82.2986	4.8637	0.0000	203.8914
Water						0.0000	0.0000	0.0000	0.0000	0.0000	11.5456	81.0963	92.6419	1.1895	0.0288	130.9497
Total	71.6891	8.7457	97.9446	0.1945	172.7438	11.8837	184.6275	17.6731	11.8818	29.5549	1,220.0668	5,349.1081	6,569.1749	7.3438	0.1296	6,791.3973

West Davis Active Adult Community - Yolo County, Annual

2.2 Overall Operational

Mitigated Operational

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	2.8504	0.0453	3.9248	2.1000e-004		0.0217	0.0217	0.0217	0.0217	0.0217	0.0000	6.4043	6.4043	6.1800e-003	0.0000	6.5587
Energy	0.0378	0.3247	0.1511	2.0600e-003		0.0261	0.0261	0.0261	0.0261	0.0261	0.0000	1,187,068 ³	1,187,068 ³	0.0439	0.0145	1,192,476 ³
Mobile	0.9160	6.7722	8.9289	0.0354	152.3600	0.0296	152.3896	15.5877	0.0279	15.6155	0.0000	3,271,349 ²	3,271,349 ²	0.1526	0.0000	3,275,164 ¹
Waste						0.0000	0.0000	0.0000	0.0000	0.0000	82.2986	0.0000	82.2986	4.8637	0.0000	203.8914
Water						0.0000	0.0000	0.0000	0.0000	0.0000	9.2364	68.1868	77.4232	0.9518	0.0230	108.0824
Total	3.8042	7.1421	13.0048	0.0377	152.3600	0.0774	152.4374	15.5877	0.0757	15.6633	91.5351	4,533,008⁵	4,624,543⁵	6.0182	0.0375	4,786,172⁸

Percent Reduction	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
94.69		18.34	86.72	80.63	11.80	99.35	17.44	11.80	99.36	47.00	92.50	15.26	29.60	18.05	71.07	29.53

3.0 Construction Detail

Construction Phase

West Davis Active Adult Community - Yolo County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2020	5/11/2020	5	29	
2	Grading	Grading	5/12/2020	8/24/2020	5	75	
3	Building Construction	Building Construction	8/25/2020	6/26/2023	5	740	
4	Paving	Paving	6/26/2023	9/8/2023	5	55	
5	Architectural Coating	Architectural Coating	9/11/2021	8/25/2023	5	510	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 86.02

Acres of Paving: 0

Residential Indoor: 1,193,940; Residential Outdoor: 397,980; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

West Davis Active Adult Community - Yolo County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	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	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Scrapers	2	8.00	367	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	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	378.00	66.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

West Davis Active Adult Community - Yolo County, Annual

3.1 Mitigation Measures Construction

- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Site Preparation - 2020
Unmitigated Construction On-Site

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																
Fugitive Dust					0.2620	0.0000	0.2620	0.1440	0.0000	0.1440	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0591	0.6151	0.3120	5.5000e-004	0.0319	0.0319	0.0319	0.0293	0.0293	0.0293	0.0000	48.4745	48.4745	0.0157	0.0000	48.8664
Total	0.0591	0.6151	0.3120	5.5000e-004	0.2620	0.0319	0.2938	0.1440	0.0293	0.1733	0.0000	48.4745	48.4745	0.0157	0.0000	48.8664

West Davis Active Adult Community - Yolo County, Annual

3.2 Site Preparation - 2020
Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	9.2000e-004	6.2000e-004	6.3600e-003	2.0000e-005	0.1982	1.0000e-005	0.1982	0.0201	1.0000e-005	0.0201	0.0000	1.6862	1.6862	4.0000e-005	0.0000	1.6873
Total	9.2000e-004	6.2000e-004	6.3600e-003	2.0000e-005	0.1982	1.0000e-005	0.1982	0.0201	1.0000e-005	0.0201	0.0000	1.6862	1.6862	4.0000e-005	0.0000	1.6873

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.1022	0.0000	0.1022	0.0562	0.0000	0.0562	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0591	0.6151	0.3120	5.5000e-004		0.0319	0.0319	0.0293	0.0319	0.0293	0.0000	48.4744	48.4744	0.0157	0.0000	48.8664
Total	0.0591	0.6151	0.3120	5.5000e-004	0.1022	0.0319	0.1340	0.0562	0.0319	0.0855	0.0000	48.4744	48.4744	0.0157	0.0000	48.8664

West Davis Active Adult Community - Yolo County, Annual

3.2 Site Preparation - 2020
Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	9.2000e-004	6.2000e-004	6.3600e-003	2.0000e-005	0.0294	1.0000e-005	0.0294	7.3300e-003	1.0000e-005	7.3400e-003	0.0000	1.6862	1.6862	4.0000e-005	0.0000	1.6873
Total	9.2000e-004	6.2000e-004	6.3600e-003	2.0000e-005	0.0294	1.0000e-005	0.0294	7.3300e-003	1.0000e-005	7.3400e-003	0.0000	1.6862	1.6862	4.0000e-005	0.0000	1.6873

3.3 Grading - 2020
Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.2714	0.0000	0.2714	0.1291	0.0000	0.1291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1669	1.8824	1.1984	2.3300e-003		0.0815	0.0815	0.0750	0.0750	0.0750	0.0000	204.3161	204.3161	0.0661	0.0000	205.9681
Total	0.1669	1.8824	1.1984	2.3300e-003	0.2714	0.0815	0.3530	0.1291	0.0750	0.2041	0.0000	204.3161	204.3161	0.0661	0.0000	205.9681

West Davis Active Adult Community - Yolo County, Annual

3.3 Grading - 2020

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	2.6500e-003	1.7800e-003	0.0183	5.0000e-005	0.5695	4.0000e-005	0.5696	0.0577	3.0000e-005	0.0577	0.0000	4.8455	4.8455	1.2000e-004	0.0000	0.0000	4.8485
Total	2.6500e-003	1.7800e-003	0.0183	5.0000e-005	0.5695	4.0000e-005	0.5696	0.0577	3.0000e-005	0.0577	0.0000	4.8455	4.8455	1.2000e-004	0.0000	0.0000	4.8485

Mitigated Construction On-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					0.1059	0.0000	0.1059	0.0503	0.0000	0.0503	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1669	1.8824	1.1984	2.3300e-003		0.0815	0.0815	0.0750	0.0750	0.0750	0.0000	204.3159	204.3159	0.0661	0.0000	205.9679	
Total	0.1669	1.8824	1.1984	2.3300e-003	0.1059	0.0815	0.1874	0.0503	0.0750	0.1253	0.0000	204.3159	204.3159	0.0661	0.0000	205.9679	

West Davis Active Adult Community - Yolo County, Annual

3.3 Grading - 2020

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	2.6500e-003	1.7800e-003	0.0183	5.0000e-005	0.0844	4.0000e-005	0.0844	0.0211	3.0000e-005	0.0211	0.0000	4.8455	4.8455	1.2000e-004	0.0000	4.8485
Total	2.6500e-003	1.7800e-003	0.0183	5.0000e-005	0.0844	4.0000e-005	0.0844	0.0211	3.0000e-005	0.0211	0.0000	4.8455	4.8455	1.2000e-004	0.0000	4.8485

3.4 Building Construction - 2020

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0986	0.8922	0.7835	1.2500e-003	0.0519	0.0519	0.0519	0.0488	0.0488	0.0488	0.0000	107.6986	107.6986	0.0263	0.0000	108.3555
Total	0.0986	0.8922	0.7835	1.2500e-003	0.0519	0.0519	0.0519	0.0488	0.0488	0.0488	0.0000	107.6986	107.6986	0.0263	0.0000	108.3555

West Davis Active Adult Community - Yolo County, Annual

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0100	0.3502	0.0640	8.4000e-004	1.6349	1.5000e-003	1.6364	0.1667	1.4400e-003	0.1681	0.0000	79.5594	79.5594	3.9700e-003	0.0000	79.6587
Worker	0.0620	0.0416	0.4282	1.2600e-003	13.3471	8.6000e-004	13.3480	1.3524	7.9000e-004	1.3532	0.0000	113.5586	113.5586	2.8700e-003	0.0000	113.6303
Total	0.0720	0.3918	0.4922	2.1000e-003	14.9820	2.3600e-003	14.9843	1.5191	2.2300e-003	1.5213	0.0000	193.1180	193.1180	6.8400e-003	0.0000	193.2890

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0986	0.8922	0.7835	1.2500e-003		0.0519	0.0519		0.0488	0.0488	0.0000	107.6985	107.6985	0.0263	0.0000	108.3554
Total	0.0986	0.8922	0.7835	1.2500e-003		0.0519	0.0519		0.0488	0.0488	0.0000	107.6985	107.6985	0.0263	0.0000	108.3554

West Davis Active Adult Community - Yolo County, Annual

3.4 Building Construction - 2020

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0100	0.3502	0.0640	8.4000e-004	0.2452	1.5000e-003	0.2467	0.0617	1.4400e-003	0.0632	0.0000	79.5594	79.5594	3.9700e-003	0.0000	79.6587
Worker	0.0620	0.0416	0.4282	1.2600e-003	1.9771	8.6000e-004	1.9780	0.4936	7.9000e-004	0.4944	0.0000	113.5586	113.5586	2.8700e-003	0.0000	113.6303
Total	0.0720	0.3918	0.4922	2.1000e-003	2.2223	2.3600e-003	2.2246	0.5553	2.2300e-003	0.5576	0.0000	193.1180	193.1180	6.8400e-003	0.0000	193.2890

3.4 Building Construction - 2021

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

West Davis Active Adult Community - Yolo County, Annual

3.4 Building Construction - 2021
Unmitigated Construction Off-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000
Vendor	0.0232	0.9066	0.1540	2.3300e-003	4.5881	2.0400e-003	4.5902	0.4678	1.9500e-003	0.4697	0.0000	221.2720	221.2720	0.0107	0.0000	221.5386	
Worker	0.1618	0.1044	1.0951	3.4000e-003	37.4580	2.3300e-003	37.4604	3.7954	2.1500e-003	3.7976	0.0000	307.7743	307.7743	7.1900e-003	0.0000	307.9541	
Total	0.1850	1.0109	1.2491	5.7300e-003	42.0461	4.3700e-003	42.0505	4.2632	4.1000e-003	4.2673	0.0000	529.0463	529.0463	0.0179	0.0000	529.4928	

Mitigated Construction On-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095	
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095	

West Davis Active Adult Community - Yolo County, Annual

3.4 Building Construction - 2021

Mitigated Construction Off-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000
Vendor	0.0232	0.9066	0.1540	2.3300e-003	0.6881	2.0400e-003	0.6901	0.1732	1.9500e-003	0.1752	0.0000	221.2720	221.2720	0.0107	0.0000	221.5386	
Worker	0.1618	0.1044	1.0951	3.4000e-003	5.5486	2.3300e-003	5.5510	1.3853	2.1500e-003	1.3875	0.0000	307.7743	307.7743	7.1900e-003	0.0000	307.9541	
Total	0.1850	1.0109	1.2491	5.7300e-003	6.2367	4.3700e-003	6.2411	1.5585	4.1000e-003	1.5626	0.0000	529.0463	529.0463	0.0179	0.0000	529.4928	

3.4 Building Construction - 2022

Unmitigated Construction On-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052	0.0990	0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471	
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052	0.0990	0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471	

West Davis Active Adult Community - Yolo County, Annual

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0214	0.8597	0.1410	2.3000e-003	4.5705	1.7400e-003	4.5723	0.4660	1.6700e-003	0.4676	0.0000	218.3406	218.3406	0.0101	0.0000	218.5935
Worker	0.1507	0.0933	1.0013	3.2700e-003	37.3145	2.2600e-003	37.3168	3.7809	2.0800e-003	3.7830	0.0000	295.5619	295.5619	6.4300e-003	0.0000	296.7228
Total	0.1721	0.9530	1.1422	5.5700e-003	41.8850	4.0000e-003	41.8890	4.2469	3.7500e-003	4.2506	0.0000	513.9025	513.9025	0.0166	0.0000	514.3162

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052	0.0990	0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052	0.0990	0.0990	0.0990	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

West Davis Active Adult Community - Yolo County, Annual

3.4 Building Construction - 2022

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0214	0.8597	0.1410	2.3000e-003	0.6854	1.7400e-003	0.6872	0.1725	1.6700e-003	0.1742	0.0000	218.3406	218.3406	0.0101	0.0000	218.5935
Worker	0.1507	0.0933	1.0013	3.2700e-003	5.5274	2.2600e-003	5.5296	1.3800	2.0800e-003	1.3821	0.0000	295.5619	295.5619	6.4300e-003	0.0000	296.7228
Total	0.1721	0.9530	1.1422	5.5700e-003	6.2128	4.0000e-003	6.2168	1.5525	3.7500e-003	1.5563	0.0000	513.9025	513.9025	0.0166	0.0000	514.3162

3.4 Building Construction - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0991	0.9063	1.0234	1.7000e-003		0.0441	0.0441		0.0415	0.0415	0.0000	146.0370	146.0370	0.0347	0.0000	146.9055
Total	0.0991	0.9063	1.0234	1.7000e-003		0.0441	0.0441		0.0415	0.0415	0.0000	146.0370	146.0370	0.0347	0.0000	146.9055

West Davis Active Adult Community - Yolo County, Annual

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	7.6200e-003	0.3453	0.0573	1.0900e-003	2.2149	3.4000e-004	2.2153	0.2258	3.2000e-004	0.2261	0.0000	103.6192	103.6192	3.6200e-003	0.0000	103.7098
Worker	0.0684	0.0406	0.4452	1.5200e-003	18.0832	1.0700e-003	18.0843	1.8323	9.9000e-004	1.8333	0.0000	137.8291	137.8291	2.7900e-003	0.0000	137.8989
Total	0.0760	0.3859	0.5024	2.6100e-003	20.2981	1.4100e-003	20.2995	2.0581	1.3100e-003	2.0594	0.0000	241.4483	241.4483	6.4100e-003	0.0000	241.6087

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0991	0.9063	1.0234	1.7000e-003		0.0441	0.0441		0.0415	0.0415	0.0000	146.0368	146.0368	0.0347	0.0000	146.9053
Total	0.0991	0.9063	1.0234	1.7000e-003		0.0441	0.0441		0.0415	0.0415	0.0000	146.0368	146.0368	0.0347	0.0000	146.9053

West Davis Active Adult Community - Yolo County, Annual

3.4 Building Construction - 2023

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	7.6200e-003	0.3453	0.0573	1.0900e-003	0.3322	3.4000e-004	0.3325	0.0836	3.2000e-004	0.0839	0.0000	103.6192	103.6192	3.6200e-003	0.0000	103.7098
Worker	0.0684	0.0406	0.4452	1.5200e-003	2.6786	1.0700e-003	2.6797	0.6688	9.9000e-004	0.6698	0.0000	137.8291	137.8291	2.7900e-003	0.0000	137.8989
Total	0.0760	0.3859	0.5024	2.6100e-003	3.0108	1.4100e-003	3.0122	0.7524	1.3100e-003	0.7537	0.0000	241.4483	241.4483	6.4100e-003	0.0000	241.6087

3.5 Paving - 2023

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0284	0.2803	0.4011	6.3000e-004		0.0140	0.0140	0.0129	0.0129	0.0129	0.0000	55.0739	55.0739	0.0178	0.0000	55.5192
Paving	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0284	0.2803	0.4011	6.3000e-004		0.0140	0.0140	0.0129	0.0129	0.0129	0.0000	55.0739	55.0739	0.0178	0.0000	55.5192

West Davis Active Adult Community - Yolo County, Annual

3.5 Paving - 2023

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	1.1800e-003	7.0000e-004	7.7100e-003	3.0000e-005	0.3132	2.0000e-005	0.3133	0.0317	2.0000e-005	0.0318	0.0000	2.3874	2.3874	5.0000e-005	0.0000	0.0000	2.3887
Total	1.1800e-003	7.0000e-004	7.7100e-003	3.0000e-005	0.3132	2.0000e-005	0.3133	0.0317	2.0000e-005	0.0318	0.0000	2.3874	2.3874	5.0000e-005	0.0000	0.0000	2.3887

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0284	0.2803	0.4011	6.3000e-004		0.0140	0.0140	0.0129	0.0129	0.0129	0.0000	55.0738	55.0738	0.0178	0.0000	55.5191
Paving	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0284	0.2803	0.4011	6.3000e-004		0.0140	0.0140	0.0129	0.0129	0.0129	0.0000	55.0738	55.0738	0.0178	0.0000	55.5191

West Davis Active Adult Community - Yolo County, Annual

3.5 Paving - 2023

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	1.1800e-003	7.0000e-004	7.7100e-003	3.0000e-005	0.0464	2.0000e-005	0.0464	0.0116	2.0000e-005	0.0116	0.0000	2.3874	2.3874	5.0000e-005	0.0000	2.3887
Total	1.1800e-003	7.0000e-004	7.7100e-003	3.0000e-005	0.0464	2.0000e-005	0.0464	0.0116	2.0000e-005	0.0116	0.0000	2.3874	2.3874	5.0000e-005	0.0000	2.3887

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.5929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7600e-003	0.0611	0.0727	1.2000e-004		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	10.2130	10.2130	7.0000e-004	0.0000	10.2305
Total	0.6017	0.0611	0.0727	1.2000e-004		3.7600e-003	3.7600e-003		3.7600e-003	3.7600e-003	0.0000	10.2130	10.2130	7.0000e-004	0.0000	10.2305

West Davis Active Adult Community - Yolo County, Annual

**3.6 Architectural Coating - 2021
Unmitigated Construction Off-Site**

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	9.9700e-003	6.4300e-003	0.0675	2.1000e-004	2.3084	1.4000e-004	2.3086	0.2339	1.3000e-004	0.2340	0.0000	18.9672	18.9672	4.4000e-004	0.0000	18.9783
Total	9.9700e-003	6.4300e-003	0.0675	2.1000e-004	2.3084	1.4000e-004	2.3086	0.2339	1.3000e-004	0.2340	0.0000	18.9672	18.9672	4.4000e-004	0.0000	18.9783

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.5929					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7600e-003	0.0611	0.0727	1.2000e-004		3.7600e-003	3.7600e-003	3.7600e-003	3.7600e-003	3.7600e-003	0.0000	10.2130	10.2130	7.0000e-004	0.0000	10.2305
Total	0.6017	0.0611	0.0727	1.2000e-004		3.7600e-003	3.7600e-003	3.7600e-003	3.7600e-003	3.7600e-003	0.0000	10.2130	10.2130	7.0000e-004	0.0000	10.2305

West Davis Active Adult Community - Yolo County, Annual

3.6 Architectural Coating - 2021
Mitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	9.9700e-003	6.4300e-003	0.0675	2.1000e-004	0.3419	1.4000e-004	0.3421	0.0854	1.3000e-004	0.0855	0.0000	18.9672	18.9672	4.4000e-004	0.0000	18.9783
Total	9.9700e-003	6.4300e-003	0.0675	2.1000e-004	0.3419	1.4000e-004	0.3421	0.0854	1.3000e-004	0.0855	0.0000	18.9672	18.9672	4.4000e-004	0.0000	18.9783

3.6 Architectural Coating - 2022
Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	1.9269					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	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	1.9535	0.1831	0.2358	3.9000e-004		0.0106	0.0106	0.0106	0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

West Davis Active Adult Community - Yolo County, Annual

3.6 Architectural Coating - 2022
Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0303	0.0188	0.2013	6.6000e-004	7.5024	4.5000e-004	7.5028	0.7602	4.2000e-004	0.7606	0.0000	59.4252	59.4252	1.2900e-003	0.0000	59.4575
Total	0.0303	0.0188	0.2013	6.6000e-004	7.5024	4.5000e-004	7.5028	0.7602	4.2000e-004	0.7606	0.0000	59.4252	59.4252	1.2900e-003	0.0000	59.4575

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	1.9269					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	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	1.9535	0.1831	0.2358	3.9000e-004		0.0106	0.0106	0.0106	0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

West Davis Active Adult Community - Yolo County, Annual

3.6 Architectural Coating - 2022
Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0303	0.0188	0.2013	6.6000e-004	1.1113	4.5000e-004	1.1118	0.2775	4.2000e-004	0.2779	0.0000	59.4252	59.4252	1.2900e-003	0.0000	59.4575
Total	0.0303	0.0188	0.2013	6.6000e-004	1.1113	4.5000e-004	1.1118	0.2775	4.2000e-004	0.2779	0.0000	59.4252	59.4252	1.2900e-003	0.0000	59.4575

3.6 Architectural Coating - 2023
Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	1.2599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0163	0.1108	0.1539	2.5000e-004		6.0200e-003	6.0200e-003	6.0200e-003	6.0200e-003	6.0200e-003	0.0000	21.7027	21.7027	1.3000e-003	0.0000	21.7351
Total	1.2762	0.1108	0.1539	2.5000e-004		6.0200e-003	6.0200e-003		6.0200e-003	6.0200e-003	0.0000	21.7027	21.7027	1.3000e-003	0.0000	21.7351

West Davis Active Adult Community - Yolo County, Annual

3.6 Architectural Coating - 2023
Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0186	0.0110	0.1208	4.1000e-004	4.9054	2.9000e-004	4.9057	0.4970	2.7000e-004	0.4973	0.0000	37.3888	37.3888	7.6000e-004	0.0000	37.4077
Total	0.0186	0.0110	0.1208	4.1000e-004	4.9054	2.9000e-004	4.9057	0.4970	2.7000e-004	0.4973	0.0000	37.3888	37.3888	7.6000e-004	0.0000	37.4077

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	1.2599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0163	0.1108	0.1539	2.5000e-004	6.0200e-003	6.0200e-003	6.0200e-003	6.0200e-003	6.0200e-003	6.0200e-003	0.0000	21.7026	21.7026	1.3000e-003	0.0000	21.7351
Total	1.2762	0.1108	0.1539	2.5000e-004	6.0200e-003	6.0200e-003	6.0200e-003	6.0200e-003	6.0200e-003	6.0200e-003	0.0000	21.7026	21.7026	1.3000e-003	0.0000	21.7351

West Davis Active Adult Community - Yolo County, Annual

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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	0.0186	0.0110	0.1208	4.1000e-004	0.7266	2.9000e-004	0.7269	0.1814	2.7000e-004	0.1817	0.0000	37.3888	37.3888	7.6000e-004	0.0000	37.4077
Total	0.0186	0.0110	0.1208	4.1000e-004	0.7266	2.9000e-004	0.7269	0.1814	2.7000e-004	0.1817	0.0000	37.3888	37.3888	7.6000e-004	0.0000	37.4077

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

West Davis Active Adult Community - Yolo County, Annual

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.9160	6.7722	8.9289	0.0354	152.3600	0.0296	152.3896	15.5877	0.0279	15.6155	0.0000	3,271.349 2	3,271.349 2	0.1526	0.0000	3,275.164 1
Unmitigated	0.9548	7.1290	9.7482	0.0396	172.7438	0.0330	172.7767	17.6731	0.0310	17.7041	0.0000	3,661.089 2	3,661.089 2	0.1636	0.0000	3,665.179 2

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT		
Apartments Low Rise	516.00	516.00	516.00	1,354,117	1,194,331		
Health Club	263.44	166.96	213.84	340,199	300,055		
High Turnover (Sit Down Restaurant)	635.75	791.85	659.20	597,324	526,840		
City Park	2.08	25.03	18.41	14,383	12,686		
Congregate Care (Assisted Living)	103.20	103.20	103.20	270,823	238,866		
Retirement Community	488.48	488.48	488.48	1,281,898	1,130,634		
Retirement Community	443.76	443.76	443.76	1,164,541	1,027,125		
Single Family Housing	987.14	987.14	987.14	2,590,510	2,284,830		
Total	3,439.85	3,522.42	3,430.03	7,613,795	6,715,367		

4.3 Trip Type Information

West Davis Active Adult Community - Yolo County, Annual

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 Low Rise	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3
Health Club	10.00	5.00	7.00	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down City Park	10.00	5.00	7.00	8.50	72.50	19.00	37	20	43
Congregate Care (Assisted Retirement Community	10.00	5.00	7.00	33.00	48.00	19.00	66	28	6
Retirement Community	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3
Single Family Housing	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Health Club	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
High Turnover (Sit Down Restaurant)	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
City Park	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Congregate Care (Assisted Living)	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Retirement Community	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Single Family Housing	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

West Davis Active Adult Community - Yolo County, Annual

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	0.0000	813.2345	813.2345	0.0368	7.6100e-003	816.4210
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	857.0195	857.0195	0.0388	8.0200e-003	860.3776
NaturalGas Mitigated	0.0378	0.3247	0.1511	2.0600e-003		0.0261	0.0261		0.0261	0.0261	0.0000	373.8338	373.8338	7.1700e-003	6.8500e-003	376.0553
NaturalGas Unmitigated	0.0435	0.3740	0.1733	2.3700e-003		0.0301	0.0301		0.0301	0.0301	0.0000	430.7231	430.7231	8.2600e-003	7.9000e-003	433.2826

West Davis Active Adult Community - Yolo County, Annual

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBtu/yr	tons/yr										MT/yr					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Apartments Low Rise	1.81481e+006	9.7900e-003	0.0836	0.0356	5.3000e-004	6.7600e-003	6.7600e-003	6.7600e-003	6.7600e-003	6.7600e-003	6.7600e-003	0.0000	96.8451	96.8451	1.8600e-003	1.7800e-003	97.4206
City Park	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	0.0000	0.0000
Congregate Care (Assisted Living)	292443	1.5800e-003	0.0135	5.7300e-003	9.0000e-005	1.0900e-003	1.0900e-003	1.0900e-003	1.0900e-003	1.0900e-003	1.0900e-003	0.0000	15.6059	15.6059	3.0000e-004	2.9000e-004	15.6986
Health Club	149120	8.0000e-004	7.3100e-003	6.1400e-003	4.0000e-005	5.6000e-004	5.6000e-004	5.6000e-004	5.6000e-004	5.6000e-004	5.6000e-004	0.0000	7.9576	7.9576	1.5000e-004	1.5000e-004	8.0049
High Turnover (Sit Down Restaurant)	547050	2.9500e-003	0.0268	0.0225	1.6000e-004	2.0400e-003	2.0400e-003	2.0400e-003	2.0400e-003	2.0400e-003	2.0400e-003	0.0000	29.1927	29.1927	5.6000e-004	5.4000e-004	29.3662
Retirement Community	1.56073e+006	8.4200e-003	0.0719	0.0306	4.6000e-004	5.8100e-003	5.8100e-003	5.8100e-003	5.8100e-003	5.8100e-003	5.8100e-003	0.0000	83.2868	83.2868	1.6000e-003	1.5300e-003	83.7817
Retirement Community	1.71802e+006	9.2800e-003	0.0792	0.0337	5.1000e-004	6.4000e-003	6.4000e-003	6.4000e-003	6.4000e-003	6.4000e-003	6.4000e-003	0.0000	91.6800	91.6800	1.7600e-003	1.6800e-003	92.2248
Single Family Housing	1.98927e+006	0.0107	0.0917	0.0390	5.9000e-004	7.4100e-003	7.4100e-003	7.4100e-003	7.4100e-003	7.4100e-003	7.4100e-003	0.0000	106.1551	106.1551	2.0300e-003	1.9500e-003	106.7859
Total		0.0435	0.3740	0.1733	2.3800e-003	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301	0.0000	430.7231	430.7231	8.2600e-003	7.9200e-003	433.2826

West Davis Active Adult Community - Yolo County, Annual

5.2 Energy by Land Use - Natural Gas

Mitigated

Land Use	Natural Gas Use kBtu/yr	tons/yr										MT/yr					CO2e
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	
Apartments Low Rise	1.57622e+006	8.5000e-003	0.0726	0.0309	4.6000e-004	5.8700e-003	5.8700e-003	5.8700e-003	5.8700e-003	5.8700e-003	5.8700e-003	0.0000	84.1132	84.1132	1.6100e-003	1.5400e-003	84.6130
City Park	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	0.0000	0.0000
Congregate Care (Assisted Living)	256643	1.3800e-003	0.0118	5.0300e-003	8.0000e-005	9.6000e-004	9.6000e-004	9.6000e-004	9.6000e-004	9.6000e-004	9.6000e-004	0.0000	13.6955	13.6955	2.6000e-004	2.5000e-004	13.7769
Health Club	124000	6.7000e-004	6.0800e-003	5.1100e-003	4.0000e-005	4.6000e-004	4.6000e-004	4.6000e-004	4.6000e-004	4.6000e-004	4.6000e-004	0.0000	6.6171	6.6171	1.3000e-004	1.2000e-004	6.6564
High Turnover (Sit Down Restaurant)	512760	2.7600e-003	0.0251	0.0211	1.5000e-004	1.9100e-003	1.9100e-003	1.9100e-003	1.9100e-003	1.9100e-003	1.9100e-003	0.0000	27.3628	27.3628	5.2000e-004	5.0000e-004	27.5254
Retirement Community	1.35555e+006	7.3100e-003	0.0625	0.0266	4.0000e-004	5.0500e-003	5.0500e-003	5.0500e-003	5.0500e-003	5.0500e-003	5.0500e-003	0.0000	72.3373	72.3373	1.3900e-003	1.3300e-003	72.7672
Retirement Community	1.49216e+006	8.0500e-003	0.0688	0.0293	4.4000e-004	5.5600e-003	5.5600e-003	5.5600e-003	5.5600e-003	5.5600e-003	5.5600e-003	0.0000	79.6271	79.6271	1.5300e-003	1.4600e-003	80.1003
Single Family Housing	1.68805e+006	9.1000e-003	0.0778	0.0331	5.0000e-004	6.2900e-003	6.2900e-003	6.2900e-003	6.2900e-003	6.2900e-003	6.2900e-003	0.0000	90.0808	90.0808	1.7300e-003	1.6500e-003	90.6161
Total		0.0378	0.3247	0.1511	2.0700e-003	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0000	373.8338	373.8338	7.1700e-003	6.8500e-003	376.0553

West Davis Active Adult Community - Yolo County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
Apartments Low Rise	674136	196.1139	8.8700e-003	1.8300e-003	196.8823
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	127694	37.1476	1.6800e-003	3.5000e-004	37.2932
Health Club	67600	19.6656	8.9000e-004	1.8000e-004	19.7427
High Turnover (Sit Down Restaurant)	156750	45.6004	2.0600e-003	4.3000e-004	45.7791
Retirement Community	604362	175.8160	7.9500e-003	1.6400e-003	176.5049
Retirement Community	665267	193.5339	8.7500e-003	1.8100e-003	194.2922
Single Family Housing	650171	189.1422	8.5500e-003	1.7700e-003	189.8833
Total		857.0195	0.0388	8.0100e-003	860.3776

West Davis Active Adult Community - Yolo County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

Land Use	Electricity Use	Total CO2	CH4	N2O	CO2e
	kWh/yr	MT/yr			
Apartments Low Rise	641730	186.6868	8.4400e-003	1.7500e-003	187.4183
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	121798	35.4324	1.6000e-003	3.3000e-004	35.5713
Health Club	62041.2	18.0485	8.2000e-004	1.7000e-004	18.1192
High Turnover (Sit Down Restaurant)	145573	42.3489	1.9100e-003	4.0000e-004	42.5149
Retirement Community	572557	166.5633	7.5300e-003	1.5600e-003	167.2160
Retirement Community	630256	183.3488	8.2900e-003	1.7200e-003	184.0672
Single Family Housing	621515	180.8058	8.1800e-003	1.6900e-003	181.5142
Total		813.2345	0.0368	7.6200e-003	816.4210

6.0 Area Detail

6.1 Mitigation Measures Area

West Davis Active Adult Community - Yolo County, Annual

- 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
- No Hearths Installed

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															
Mitigated	2.8504	0.0453	3.9248	2.1000e-004	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0000	6.4043	6.4043	6.1800e-003	0.0000	6.5587
Unmitigated	70.6908	1.2427	88.0231	0.1525	11.8207	11.8207	11.8207	11.8207	11.8207	11.8207	1,126.2226	319.1800	1,445.4026	1.0799	0.0850	1,497.7169

West Davis Active Adult Community - Yolo County, Annual

6.2 Area by SubCategory

Unmitigated

SubCategory	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.3780					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3539					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	67.8403	1.1975	84.0983	0.1523	11.7990	11.7990	11.7990	11.7990	11.7990	11.7990	1,126.2226	312.7757	1,438.9983	1.0738	0.0850	1,491.1582
Landscaping	0.1186	0.0453	3.9248	2.1000e-004	0.0217	0.0217	0.0217	0.0217	0.0217	0.0217	0.0000	6.4043	6.4043	6.1800e-003	0.0000	6.5587
Total	70.6908	1.2427	88.0231	0.1525		11.8207	11.8207		11.8207	11.8207	1,126.2226	319.1800	1,445.4026	1.0799	0.0850	1,497.7169

West Davis Active Adult Community - Yolo County, Annual

6.2 Area by SubCategory

Mitigated

SubCategory	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	0.3780					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.3539					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1186	0.0453	3.9248	2.1000e-004		0.0217	0.0217	0.0217	0.0217	0.0217	0.0000	6.4043	6.4043	6.1800e-003	0.0000	6.5587
Total	2.8504	0.0453	3.9248	2.1000e-004		0.0217	0.0217	0.0217	0.0217	0.0217	0.0000	6.4043	6.4043	6.1800e-003	0.0000	6.5587

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

West Davis Active Adult Community - Yolo County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	77.4232	0.9518	0.0230	108.0824
Unmitigated	92.6419	1.1895	0.0288	130.9497

West Davis Active Adult Community - Yolo County, Annual

7.2 Water by Land Use

Unmitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
Apartments Low Rise	9.7731 / 6.1613	24.7580	0.3194	7.7200e-003	35.0451
City Park	0 / 1.31063	1.3345	6.0000e-005	1.0000e-005	1.3397
Congregate Care (Assisted Living)	1.95462 / 1.23226	4.9516	0.0639	1.5400e-003	7.0090
Health Club	0.473145 / 0.289992	1.1902	0.0155	3.7000e-004	1.6882
High Turnover (Sit Down Restaurant)	1.51767 / 0.0968725	2.9691	0.0496	1.1900e-003	4.5632
Retirement Community	17.6567 / 11.1314	44.7294	0.5771	0.0140	63.3148
Single Family Housing	5.01686 / 3.1628	12.7091	0.1640	3.9600e-003	17.9898
Total		92.6419	1.1895	0.0287	130.9497

West Davis Active Adult Community - Yolo County, Annual

7.2 Water by Land Use

Mitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
Apartments Low Rise	7.81848 / 5.78547	20.6784	0.2556	6.1900e-003	28.9115
City Park	0 / 1.23068	1.2531	6.0000e-005	1.0000e-005	1.2580
Congregate Care (Assisted Living)	1.5637 / 1.15709	4.1357	0.0511	1.2400e-003	5.7823
Health Club	0.378516 / 0.272303	0.9932	0.0124	3.0000e-004	1.3917
High Turnover (Sit Down Restaurant)	1.21413 / 0.0909632	2.3890	0.0397	9.5000e-004	3.6643
Retirement Community	14.1254 / 10.4524	37.3590	0.4618	0.0112	52.2334
Single Family Housing	4.01349 / 2.96987	10.6149	0.1312	3.1800e-003	14.8412
Total		77.4232	0.9518	0.0231	108.0824

8.0 Waste Detail

8.1 Mitigation Measures Waste

West Davis Active Adult Community - Yolo County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	82.2986	4.8637	0.0000	203.8914
Unmitigated	82.2986	4.8637	0.0000	203.8914

West Davis Active Adult Community - Yolo County, Annual

8.2 Waste by Land Use

Unmitigated

Land Use	Waste Disposed	Total CO2	CH4	N2O	CO2e
	tons	MT/yr			
Apartments Low Rise	69	14.0064	0.8278	0.0000	34.7002
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0453
Congregate Care (Assisted Living)	27.38	5.5579	0.3285	0.0000	13.7694
Health Club	45.6	9.2564	0.5470	0.0000	22.9323
High Turnover (Sit Down Restaurant)	59.5	12.0780	0.7138	0.0000	29.9226
Retirement Community	124.66	25.3049	1.4955	0.0000	62.6917
Single Family Housing	79.2	16.0769	0.9501	0.0000	39.8298
Total		82.2986	4.8637	0.0000	203.8914

West Davis Active Adult Community - Yolo County, Annual

8.2 Waste by Land Use

Mitigated

Land Use	Waste Disposed tons	Total CO2				MT/yr	CO2e
		CH4	N2O	CH4	CO2e		
Apartments Low Rise	69	14.0064	0.8278	0.0000	0.0000	34.7002	
City Park	0.09	0.0183	1.0800e-003	0.0000	0.0000	0.0453	
Congregate Care (Assisted Living)	27.38	5.5579	0.3285	0.0000	0.0000	13.7694	
Health Club	45.6	9.2564	0.5470	0.0000	0.0000	22.9323	
High Turnover (Sit Down Restaurant)	59.5	12.0780	0.7138	0.0000	0.0000	29.9226	
Retirement Community	124.66	25.3049	1.4955	0.0000	0.0000	62.6917	
Single Family Housing	79.2	16.0769	0.9501	0.0000	0.0000	39.8298	
Total		82.2986	4.8637	0.0000	0.0000	203.8914	

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

West Davis Active Adult Community - Yolo County, Annual

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

West Davis Active Adult Community - Yolo County, Summer

West Davis Active Adult Community
Yolo County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	8.00	1000sqft	0.18	8,000.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Apartments Low Rise	150.00	Dwelling Unit	4.26	150,000.00	429
Retirement Community	142.00	Dwelling Unit	9.21	142,000.00	406
Congregate Care (Assisted Living)	30.00	Dwelling Unit	3.03	30,000.00	86
Single Family Housing	77.00	Dwelling Unit	8.90	138,600.00	220
City Park	1.10	Acre	1.10	47,916.00	0
Retirement Community	129.00	Dwelling Unit	8.90	129,000.00	369

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2022

Utility Company Pacific Gas & Electric Company

CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
---------------------------------	--------	---------------------------------	-------	---------------------------------	-------

1.3 User Entered Comments & Non-Default Data

West Davis Active Adult Community - Yolo County, Summer

Project Characteristics -

Land Use - As provided by Project Applicant.

Construction Phase - Estimated based on project size.

Grading - 74.49 acres of developed land uses + 11.53 acres of off-site improvements = 86.02 acres

Vehicle Trips - Trip rates provided by the Traffic Study (Fehr & Peers, 2017)

Construction Off-road Equipment Mitigation - As provided by YSAQMD BMPs (Source: Yolo-Solano Air Quality Management District's Handbook for Assessing and Mitigating Air Quality Impacts (2007)).

Mobile Land Use Mitigation - 560 du/74.49 acres = 7.51 du/acre; Existing bus stop is within 0.1 miles of the project site. Affordable units = 150/560 = 26.79%.

Area Mitigation -

Energy Mitigation - Exceed Title 24 by approximately 16.9; equivalent to meeting the 2016 Title 24 standard. See pg. 8:

http://www.energy.ca.gov/title24/2016standards/rulemaking/documents/2015-06-10_hearing/2015-06-10_Adoption_Hearing_Presentation.pdf

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	14
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstructionPhase	NumDays	30.00	29.00
tblConstructionPhase	NumDays	55.00	510.00
tblConstructionPhase	PhaseEndDate	7/21/2020	5/11/2020
tblConstructionPhase	PhaseEndDate	11/3/2020	8/24/2020
tblConstructionPhase	PhaseEndDate	9/5/2023	6/26/2023
tblConstructionPhase	PhaseEndDate	11/21/2023	9/8/2023
tblConstructionPhase	PhaseEndDate	2/6/2024	8/25/2023
tblConstructionPhase	PhaseStartDate	6/10/2020	4/1/2020
tblConstructionPhase	PhaseStartDate	7/22/2020	5/12/2020
tblConstructionPhase	PhaseStartDate	11/4/2020	8/25/2020
tblConstructionPhase	PhaseStartDate	9/6/2023	6/26/2023

West Davis Active Adult Community - Yolo County, Summer

tblConstructionPhase	PhaseStartDate	9/11/2021
tblGrading	AcresOfGrading	86.02
tblLandUse	LotAcreage	4.26
tblLandUse	LotAcreage	9.21
tblLandUse	LotAcreage	3.03
tblLandUse	LotAcreage	8.90
tblLandUse	LotAcreage	8.90
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	12.82
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	12.82
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	12.82

2.0 Emissions Summary

West Davis Active Adult Community - Yolo County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2020	4.5315	50.2404	32.5235	0.0749	377.7062	2.1983	378.8735	38.2219	2.0224	39.3197	0.0000	7,427.3909	7,427.3909	1.9464	0.0000	7,447.0834
2021	18.8305	26.6722	31.1989	0.0825	445.3627	1.0895	446.4521	45.0644	1.0298	46.0942	0.0000	8,166.1949	8,166.1949	0.8017	0.0000	8,186.2376
2022	18.4957	24.3274	29.9569	0.0811	445.3626	0.9247	446.2873	45.0644	0.8746	45.9390	0.0000	8,025.4872	8,025.4872	0.7843	0.0000	8,045.0939
2023	19.2847	32.0265	43.7263	0.1033	458.7158	1.3071	460.0229	46.4149	1.2231	47.6379	0.0000	10,175.1613	10,175.1613	1.4661	0.0000	10,211.8126
Maximum	19.2847	50.2404	43.7263	0.1033	458.7158	2.1983	460.0229	46.4149	2.0224	47.6379	0.0000	10,175.1613	10,175.1613	1.9464	0.0000	10,211.8126

West Davis Active Adult Community - Yolo County, Summer

**2.2 Overall Operational
Unmitigated Operational**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	1,670.9289	29.7093	2,094.7866	3.7163	288.0215	288.0215	288.0215	288.0215	288.0215	288.0215	30,279.2174	8,487.6152	38,766.8326	28.9442	2.2840	40,171.0760
Energy	0.2385	2.0491	0.9495	0.0130	0.1648	0.1648	0.1648	0.1648	0.1648	0.1648	2,601.5940	2,601.5940	2,601.5940	0.0499	0.0477	2,617.0539
Mobile	6.7654	39.6683	60.0199	0.2377	972.0100	0.1847	972.1947	99.5151	0.1736	99.6887	24,189.8073	24,189.8073	24,189.8073	1.0266		24,215.4724
Total	1,677.9329	71.4267	2,155.7560	3.9670	972.0100	288.3710	1,260.3810	99.5151	288.3599	387.8749	30,279.2174	35,279.0165	65,558.2338	30.0207	2.3317	67,003.6023

Mitigated Operational

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	16.2864	0.5029	43.6090	2.3000e-003	0.2410	0.2410	0.2410	0.2410	0.2410	0.2410	0.0000	78.4387	78.4387	0.0757	0.0000	80.3307
Energy	0.2070	1.7790	0.8279	0.0113	0.1430	0.1430	0.1430	0.1430	0.1430	0.1430	2,257.9790	2,257.9790	2,257.9790	0.0433	0.0414	2,271.3970
Mobile	6.5391	37.7999	54.5248	0.2124	857.3128	0.1660	857.4788	87.7723	0.1560	87.9283	21,616.6022	21,616.6022	21,616.6022	0.9543		21,640.4588
Total	23.0325	40.0819	98.9617	0.2260	857.3128	0.5499	857.8627	87.7723	0.5399	88.3122	0.0000	23,953.0200	23,953.0200	1.0732	0.0414	23,992.1865

West Davis Active Adult Community - Yolo County, Summer

	ROG	NOx	CO	SO2	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	98.63	43.88	95.41	94.30	11.80	99.81	31.94	11.80	99.81	77.23	100.00	32.10	63.46	96.43	98.22	64.19

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	4/1/2020	5/11/2020	5	29	
2	Grading	Grading	5/12/2020	8/24/2020	5	75	
3	Building Construction	Building Construction	8/25/2020	6/26/2023	5	740	
4	Paving	Paving	6/26/2023	9/8/2023	5	55	
5	Architectural Coating	Architectural Coating	9/11/2021	8/25/2023	5	510	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 86.02

Acres of Paving: 0

Residential Indoor: 1,193,940; Residential Outdoor: 397,980; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

West Davis Active Adult Community - Yolo County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	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	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Scrapers	2	8.00	367	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	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	378.00	66.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

West Davis Active Adult Community - Yolo County, Summer

3.1 Mitigation Measures Construction

- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

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															
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380	2.1974	2.1974	2.1974	2.0216	2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

West Davis Active Adult Community - Yolo County, Summer

3.2 Site Preparation - 2020
Unmitigated Construction Off-Site

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																
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
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
Worker	0.0732	0.0386	0.5087	1.4200e-003	16.0239	8.8000e-004	16.0248	1.6206	8.1000e-004	1.6214	141.2164	141.2164	141.2164	3.5900e-003		141.3062
Total	0.0732	0.0386	0.5087	1.4200e-003	16.0239	8.8000e-004	16.0248	1.6206	8.1000e-004	1.6214	141.2164	141.2164	141.2164	3.5900e-003		141.3062

Mitigated Construction On-Site

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																
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380	2.1974	2.1974	2.1974	2.0216	2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

West Davis Active Adult Community - Yolo County, Summer

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.0732	0.0386	0.5087	1.4200e-003	2.3606	8.8000e-004	2.3615	0.5890	8.1000e-004	0.5898	141.2164	141.2164	3.5900e-003	141.3062		141.3062	
Total	0.0732	0.0386	0.5087	1.4200e-003	2.3606	8.8000e-004	2.3615	0.5890	8.1000e-004	0.5898	141.2164	141.2164	3.5900e-003	141.3062		141.3062	

3.3 Grading - 2020

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					7.2384	0.0000	7.2384	3.4416	0.0000	3.4416			0.0000			0.0000	
Off-Road	4.4501	50.1975	31.9583	0.0620	2.1739	2.1739	2.1739	2.0000	2.0000	2.0000	6,005.8653	6,005.8653	1.9424	1.9424		6,054.4257	
Total	4.4501	50.1975	31.9583	0.0620	7.2384	2.1739	9.4123	3.4416	2.0000	5.4416	6,005.8653	6,005.8653	1.9424	1.9424		6,054.4257	

West Davis Active Adult Community - Yolo County, Summer

3.3 Grading - 2020

Unmitigated Construction Off-Site

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																
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	0.0814	0.0428	0.5652	1.5800e-003	17.8044	9.7000e-004	17.8053	1.8007	9.0000e-004	1.8016	156.9071	156.9071	156.9071	3.9900e-003	157.0069	157.0069
Total	0.0814	0.0428	0.5652	1.5800e-003	17.8044	9.7000e-004	17.8053	1.8007	9.0000e-004	1.8016	156.9071	156.9071	156.9071	3.9900e-003	157.0069	157.0069

Mitigated Construction On-Site

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																
Fugitive Dust					2.8230	0.0000	2.8230	1.3422	0.0000	1.3422	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620	2.1739	2.1739	2.1739	2.0000	2.0000	2.0000	0.0000	6,005.8653	6,005.8653	1.9424	6,054.4257	6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	2.8230	2.1739	4.9969	1.3422	2.0000	3.3422	0.0000	6,005.8653	6,005.8653	1.9424	6,054.4257	6,054.4257

West Davis Active Adult Community - Yolo County, Summer

3.3 Grading - 2020

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.0814	0.0428	0.5652	1.5800e-003	2.6229	9.7000e-004	2.6238	0.6544	9.0000e-004	0.6553	156.9071	156.9071	156.9071	3.9900e-003		157.0069	
Total	0.0814	0.0428	0.5652	1.5800e-003	2.6229	9.7000e-004	2.6238	0.6544	9.0000e-004	0.6553		156.9071	156.9071	3.9900e-003		157.0069	

3.4 Building Construction - 2020

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345	
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345	

West Davis Active Adult Community - Yolo County, Summer

3.4 Building Construction - 2020

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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
Vendor	0.2115	7.4025	1.2780	0.0182	6.1348	0.0319	6.1667	1.5414	0.0305	1.5719	1,908.784	2	1,908.784	0.0894			1,911.0183
Worker	1.5374	0.8097	10.6819	0.0298	49.5723	0.0184	49.5907	12.3681	0.0170	12.3851	2,965.543	6	2,965.543	0.0755			2,967.430
Total	1.7489	8.2122	11.9599	0.0480	55.7071	0.0503	55.7573	13.9095	0.0474	13.9570	4,874.327	8	4,874.327	0.1649			4,878.448

3.4 Building Construction - 2021

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013	2,553.363	9	2,553.363	0.6160			2,568.764
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013	2,553.363	9	2,553.363	0.6160			2,568.764

West Davis Active Adult Community - Yolo County, Summer

3.4 Building Construction - 2021
Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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
Vendor	0.1738	6.8443	1.0891	0.0181	41.2040	0.0153	41.2193	4.1893	0.0146	4.2039	1,891.708	6	1,891.708	0.0854			1,893.842
Worker	1.4277	0.7235	9.7556	0.0287	336.5022	0.0179	336.5200	34.0326	0.0165	34.0491	2,863.869	8	2,863.869	0.0675			2,865.556
Total	1.6014	7.5678	10.8447	0.0468	377.7061	0.0332	377.7393	38.2219	0.0311	38.2530	4,755.578	4	4,755.578	0.1528			4,758.398

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013	0.0000	2,553.363	9	2,553.363	0.6160		2,568.764
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013	0.0000	2,553.363	9	2,553.363	0.6160		2,568.764

West Davis Active Adult Community - Yolo County, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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
Vendor	0.1738	6.8443	1.0891	0.0181	6.1347	0.0153	6.1500	1.5414	0.0146	1.5560	1,891.708	6	1,891.708	0.0854			1,893.842
Worker	1.4277	0.7235	9.7556	0.0287	49.5723	0.0179	49.5901	12.3681	0.0165	12.3846	2,863.869	8	2,863.869	0.0675			2,865.556
Total	1.6014	7.5678	10.8447	0.0468	55.7070	0.0332	55.7402	13.9095	0.0311	13.9406	4,755.578	4	4,755.578	0.1528			4,759.398

3.4 Building Construction - 2022

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090	0.7612	0.7612	0.7612	2,554.333	6	2,554.333	0.6120			2,569.632
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090	0.7612	0.7612	0.7612	2,554.333	6	2,554.333	0.6120			2,569.632

West Davis Active Adult Community - Yolo County, Summer

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

lb/day																
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
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	0.1612	6.5232	1.0007	0.0179	41.2039	0.0131	41.2170	4.1892	0.0125	4.2018	1,873.9575	1,873.9575	1,873.9575	0.0812		1,875.9884
Worker	1.3334	0.6495	8.9748	0.0277	336.5022	0.0174	336.5196	34.0326	0.0160	34.0486	2,760.6889	2,760.6889	2,760.6889	0.0606		2,762.2035
Total	1.4946	7.1727	9.9755	0.0456	377.7061	0.0305	377.7366	38.2219	0.0285	38.2504	4,634.6464	4,634.6464	4,634.6464	0.1418		4,638.1919

Mitigated Construction On-Site

lb/day																
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
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090	0.7612	0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090	0.7612	0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

West Davis Active Adult Community - Yolo County, Summer

3.4 Building Construction - 2022

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000
Vendor	0.1612	6.5232	1.0007	0.0179	6.1347	0.0131	6.1478	1.5414	0.0125	1.5539	1,873.9575	1,873.9575	1,873.9575	0.0812		1,875.9884	
Worker	1.3334	0.6495	8.9748	0.0277	49.5723	0.0174	49.5896	12.3681	0.0160	12.3841	2,760.6889	2,760.6889	2,760.6889	0.0606		2,762.2035	
Total	1.4946	7.1727	9.9755	0.0456	55.7070	0.0305	55.7374	13.9095	0.0285	13.9380	4,634.6464	4,634.6464	4,634.6464	0.1418		4,638.1919	

3.4 Building Construction - 2023

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061	
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061	

West Davis Active Adult Community - Yolo County, Summer

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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
Vendor	0.1185	5.4226	0.8466	0.0175	41.2039	5.2400e-003	41.2091	4.1892	5.0100e-003	4.1942	1,835.0297	1,835.0297	0.0600	0.0600			1,836.5306
Worker	1.2468	0.5839	8.2534	0.0267	336.5022	0.0170	336.5192	34.0326	0.0156	34.0483	2,656.3886	2,656.3886	0.0543	0.0543			2,657.7457
Total	1.3653	6.0065	9.1000	0.0442	377.7060	0.0222	377.7283	38.2218	0.0207	38.2425	4,491.4183	4,491.4183	0.1143	0.1143			4,494.2763

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079			2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079			2,570.4061

West Davis Active Adult Community - Yolo County, Summer

3.4 Building Construction - 2023

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000
Vendor	0.1185	5.4226	0.8466	0.0175	6.1346	5.2400e-003	6.1399	1.5413	5.0100e-003	1.5464	1,835.0297	1,835.0297	0.0600	0.0600	0.0600	1,836.5306	1,836.5306
Worker	1.2468	0.5839	8.2534	0.0267	49.5723	0.0170	49.5892	12.3681	0.0156	12.3838	2,656.3886	2,656.3886	0.0543	0.0543	0.0543	2,657.7457	2,657.7457
Total	1.3653	6.0065	9.1000	0.0442	55.7069	0.0222	55.7291	13.9095	0.0207	13.9301	4,491.4183	4,491.4183	0.1143	0.1143	0.1143	4,494.2763	4,494.2763

3.5 Paving - 2023

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.0327	10.1917	14.5842	0.0228	0.5102	0.5102	0.5102	0.4694	0.4694	0.4694	2,207.5841	2,207.5841	0.7140	0.7140	0.7140	2,225.4336	2,225.4336
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000	0.0000
Total	1.0327	10.1917	14.5842	0.0228	0.5102	0.5102	0.5102	0.4694	0.4694	0.4694	2,207.5841	2,207.5841	0.7140	0.7140	0.7140	2,225.4336	2,225.4336

West Davis Active Adult Community - Yolo County, Summer

3.5 Paving - 2023

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.0495	0.0232	0.3275	1.0600e-003	13.3533	6.7000e-004	13.3539	1.3505	6.2000e-004	1.3511	105.4123	105.4123	105.4123	2.1500e-003	105.4661	105.4661	105.4661
Total	0.0495	0.0232	0.3275	1.0600e-003	13.3533	6.7000e-004	13.3539	1.3505	6.2000e-004	1.3511	105.4123	105.4123	105.4123	2.1500e-003	105.4661	105.4661	105.4661

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.0327	10.1917	14.5842	0.0228	0.5102	0.5102	0.5102	0.4694	0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140	2,225.4336	2,225.4336	2,225.4336
Paving	0.0000				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.0327	10.1917	14.5842	0.0228	0.5102	0.5102	0.5102	0.4694	0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140	2,225.4336	2,225.4336	2,225.4336

West Davis Active Adult Community - Yolo County, Summer

3.5 Paving - 2023

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.0495	0.0232	0.3275	1.0600e-003	1.9672	6.7000e-004	1.9678	0.4908	6.2000e-004	0.4914	105.4123	105.4123	105.4123	2.1500e-003	105.4661	105.4661	105.4661
Total	0.0495	0.0232	0.3275	1.0600e-003	1.9672	6.7000e-004	1.9678	0.4908	6.2000e-004	0.4914	105.4123	105.4123	105.4123	2.1500e-003	105.4661	105.4661	105.4661

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	14.8222					0.0000	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	0.0941	0.0941	281.4481	281.4481	281.4481	0.0193	281.9309	281.9309	281.9309
Total	15.0411	1.5268	1.8176	2.9700e-003	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	281.4481	281.4481	281.4481	0.0193	281.9309	281.9309	281.9309

West Davis Active Adult Community - Yolo County, Summer

3.6 Architectural Coating - 2021
Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.2870	0.1455	1.9614	5.7800e-003	67.6565	3.5900e-003	67.6601	6.8425	3.3100e-003	6.8458	575.8045	575.8045	575.8045	0.0136	0.0136	576.1436	576.1436
Total	0.2870	0.1455	1.9614	5.7800e-003	67.6565	3.5900e-003	67.6601	6.8425	3.3100e-003	6.8458	575.8045	575.8045	575.8045	0.0136	0.0136	576.1436	576.1436

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	14.8222					0.0000	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	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193	0.0193	281.9309	281.9309
Total	15.0411	1.5268	1.8176	2.9700e-003	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193	0.0193	281.9309	281.9309

West Davis Active Adult Community - Yolo County, Summer

3.6 Architectural Coating - 2021
Mitigated Construction Off-Site

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																
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	0.2870	0.1455	1.9614	5.7800e-003	9.9669	3.5900e-003	9.9705	2.4867	3.3100e-003	2.4900	575.8045	575.8045	575.8045	0.0136		576.1436
Total	0.2870	0.1455	1.9614	5.7800e-003	9.9669	3.5900e-003	9.9705	2.4867	3.3100e-003	2.4900	575.8045	575.8045	575.8045	0.0136		576.1436

3.6 Architectural Coating - 2022
Unmitigated Construction On-Site

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																
Archit. Coating	14.8222					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	0.0817	0.0817	281.4481	281.4481	281.4481	0.0183		281.9062
Total	15.0267	1.4085	1.8136	2.9700e-003	0.0817	0.0817	0.0817	0.0817	0.0817	0.0817	281.4481	281.4481	281.4481	0.0183		281.9062

West Davis Active Adult Community - Yolo County, Summer

3.6 Architectural Coating - 2022
Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.2681	0.1306	1.8045	5.5700e-003	67.6565	3.4900e-003	67.6600	6.8425	3.2200e-003	6.8458	555.0591	555.0591	555.0591	0.0122		555.3637	
Total	0.2681	0.1306	1.8045	5.5700e-003	67.6565	3.4900e-003	67.6600	6.8425	3.2200e-003	6.8458		555.0591	555.0591	0.0122		555.3637	

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	14.8222					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	0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062	
Total	15.0267	1.4085	1.8136	2.9700e-003	0.0817	0.0817	0.0817	0.0817	0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062	

West Davis Active Adult Community - Yolo County, Summer

3.6 Architectural Coating - 2022
Mitigated Construction Off-Site

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																
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	0.2681	0.1306	1.8045	5.5700e-003	9.9669	3.4900e-003	9.9704	2.4867	3.2200e-003	2.4899	555.0591	555.0591	555.0591	0.0122		555.3637
Total	0.2681	0.1306	1.8045	5.5700e-003	9.9669	3.4900e-003	9.9704	2.4867	3.2200e-003	2.4899	555.0591	555.0591	555.0591	0.0122		555.3637

3.6 Architectural Coating - 2023
Unmitigated Construction On-Site

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																
Archit. Coating	14.8222					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		281.8690
Total	15.0138	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

West Davis Active Adult Community - Yolo County, Summer

3.6 Architectural Coating - 2023
Unmitigated Construction Off-Site

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																
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	0.2507	0.1174	1.6594	5.3600e-003	67.6565	3.4100e-003	67.6599	6.8425	3.1400e-003	6.8457	534.0887	534.0887	0.0109	0.0109		534.3616
Total	0.2507	0.1174	1.6594	5.3600e-003	67.6565	3.4100e-003	67.6599	6.8425	3.1400e-003	6.8457	534.0887	534.0887	0.0109	0.0109		534.3616

Mitigated Construction On-Site

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																
Archit. Coating	14.8222					0.0000	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	0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	15.0138	1.3030	1.8111	2.9700e-003	0.0708	0.0708	0.0708	0.0708	0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

West Davis Active Adult Community - Yolo County, Summer

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

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															
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	0.2507	0.1174	1.6594	5.3600e-003	9.9669	3.4100e-003	9.9703	2.4867	3.1400e-003	2.4899	534.0887	534.0887	534.0887	0.0109		534.3616
Total	0.2507	0.1174	1.6594	5.3600e-003	9.9669	3.4100e-003	9.9703	2.4867	3.1400e-003	2.4899	534.0887	534.0887	534.0887	0.0109		534.3616

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

West Davis Active Adult Community - Yolo County, Summer

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															
Mitigated	6.5391	37.7999	54.5248	0.2124	857.3128	0.1660	857.4788	87.7723	0.1560	87.9283	21,616.60	22	21,616.60	0.9543		21,640.45
Unmitigated	6.7654	39.6683	60.0199	0.2377	972.0100	0.1847	972.1947	99.5151	0.1736	99.6887	24,189.80	73	24,189.80	1.0266		24,215.47
																24

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Apartments Low Rise	516.00	516.00	516.00	1,354,117	1,194,331		
Health Club	263.44	166.96	213.84	340,199	300,055		
High Turnover (Sit Down Restaurant)	635.75	791.85	659.20	597,324	526,840		
City Park	2.08	25.03	18.41	14,383	12,686		
Congregate Care (Assisted Living)	103.20	103.20	103.20	270,823	238,866		
Retirement Community	488.48	488.48	488.48	1,281,898	1,130,634		
Retirement Community	443.76	443.76	443.76	1,164,541	1,027,125		
Single Family Housing	987.14	987.14	987.14	2,590,510	2,284,830		
Total	3,439.85	3,522.42	3,430.03	7,613,795	6,715,367		

4.3 Trip Type Information

West Davis Active Adult Community - Yolo County, Summer

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 Low Rise	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3
Health Club	10.00	5.00	7.00	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down City Park	10.00	5.00	7.00	8.50	72.50	19.00	37	20	43
Congregate Care (Assisted Retirement Community	10.00	5.00	7.00	33.00	48.00	19.00	66	28	6
Retirement Community	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3
Single Family Housing	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Health Club	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
High Turnover (Sit Down Restaurant)	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
City Park	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Congregate Care (Assisted Living)	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Retirement Community	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Single Family Housing	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

West Davis Active Adult Community - Yolo County, Summer

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															
NaturalGas Mitigated	0.2070	1.7790	0.8279	0.0113	0.1430	0.1430	0.1430	0.1430	0.1430	0.1430	0.0000	2,257.9790	2,257.9790	0.0433	0.0414	2,271.3970
NaturalGas Unmitigated	0.2385	2.0491	0.9495	0.0130	0.1648	0.1648	0.1648	0.1648	0.1648	0.1648	0.0000	2,601.5940	2,601.5940	0.0499	0.0477	2,617.0539

West Davis Active Adult Community - Yolo County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										lb/day				CO2e	
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4		N2O
Apartments Low Rise	4972.08	0.0536	0.4582	0.1950	2.9200e-003		0.0371	0.0371	0.0371	0.0371	0.0371	0.0371		584.9502	0.0112	0.0107	588.4263
City Park	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
Congregate Care (Assisted Living)	801.214	8.6400e-003	0.0738	0.0314	4.7000e-004		5.9700e-003	5.9700e-003	5.9700e-003	5.9700e-003	5.9700e-003	5.9700e-003		94.2604	1.8100e-003	1.7300e-003	94.8206
Health Club	408.548	4.4100e-003	0.0401	0.0337	2.4000e-004		3.0400e-003	3.0400e-003	3.0400e-003	3.0400e-003	3.0400e-003	3.0400e-003		48.0645	9.2000e-004	8.8000e-004	48.3501
High Turnover (Sit Down Restaurant)	1488.77	0.0162	0.1469	0.1234	8.8000e-004		0.0112	0.0112	0.0112	0.0112	0.0112	0.0112		176.3255	3.3800e-003	3.2300e-003	177.3734
Retirement Community	4275.99	0.0461	0.3941	0.1677	2.5200e-003		0.0319	0.0319	0.0319	0.0319	0.0319	0.0319		503.0572	9.6400e-003	9.2200e-003	506.0466
Retirement Community	4706.9	0.0508	0.4338	0.1846	2.7700e-003		0.0351	0.0351	0.0351	0.0351	0.0351	0.0351		553.7529	0.0106	0.0102	557.0435
Single Family Housing	5450.06	0.0588	0.5023	0.2137	3.2100e-003		0.0406	0.0406	0.0406	0.0406	0.0406	0.0406		641.1833	0.0123	0.0118	644.9935
Total		0.2385	2.0491	0.9495	0.0130		0.1648	0.1648	0.1648	0.1648	0.1648	0.1648		2,601.5940	0.0499	0.0477	2,617.0539

West Davis Active Adult Community - Yolo County, Summer

5.2 Energy by Land Use - Natural Gas

Mitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										lb/day					
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Apartments Low Rise	4.31841	0.0466	0.3980	0.1694	2.5400e-003		0.0322	0.0322		0.0322		0.0322		508.0486	9.7400e-003	9.3100e-003	511.0677
City Park	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
Congregate Care (Assisted Living)	0.703132	7.5800e-003	0.0648	0.0276	4.1000e-004		5.2400e-003	5.2400e-003		5.2400e-003		5.2400e-003		82.7214	1.5900e-003	1.5200e-003	83.2130
Health Club	0.339726	3.6600e-003	0.0333	0.0280	2.0000e-004		2.5300e-003	2.5300e-003		2.5300e-003		2.5300e-003		39.9677	7.7000e-004	7.3000e-004	40.2052
High Turnover (Sit Down Restaurant)	1.40482	0.0152	0.1377	0.1157	8.3000e-004		0.0105	0.0105		0.0105		0.0105		165.2731	3.1700e-003	3.0300e-003	166.2553
Retirement Community	3.71384	0.0401	0.3423	0.1456	2.1800e-003		0.0277	0.0277		0.0277		0.0277		436.9218	8.3700e-003	8.0100e-003	439.5182
Retirement Community	4.0881	0.0441	0.3768	0.1603	2.4000e-003		0.0305	0.0305		0.0305		0.0305		480.9527	9.2200e-003	8.8200e-003	483.8108
Single Family Housing	4.6248	0.0499	0.4262	0.1814	2.7200e-003		0.0345	0.0345		0.0345		0.0345		544.0936	0.0104	9.9800e-003	547.3268
Total		0.2070	1.7790	0.8279	0.0113		0.1430	0.1430		0.1430		0.1430		2,257.9790	0.0433	0.0414	2,271.3971

6.0 Area Detail

6.1 Mitigation Measures Area

West Davis Active Adult Community - Yolo County, Summer

- 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
- No Hearths Installed

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															
Mitigated	16.2864	0.5029	43.6090	2.3000e-003	0.2410	0.2410	0.2410	0.2410	0.2410	0.2410	0.0000	78.4387	78.4387	0.0757	0.0000	80.3307
Unmitigated	1,670.9289	29.7093	2,094.7866	3.7163	288.0215	288.0215	288.0215	288.0215	288.0215	288.0215	74	8,487.6152	38,766.8326	28.9442	2.2840	40,171.0760

West Davis Active Adult Community - Yolo County, Summer

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	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															
Architectural Coating	2.0710					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8981					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Hearth	1,654.6425	29.2064	2,051.1776	3.7140		287.7806	287.7806	287.7806	287.7806	287.7806	30,279.2174	8,409.1765	38,688.3938	28.8685	2.2840	40,090.7453
Landscaping	1.3173	0.5029	43.6090	2.3000e-003		0.2410	0.2410	0.2410	0.2410	0.2410		78.4387	78.4387	0.0757		80.3307
Total	1,670.9289	29.7094	2,094.7866	3.7163		288.0215	288.0215		288.0215	288.0215	30,279.2174	8,487.6152	38,766.8326	28.9442	2.2840	40,171.0760

West Davis Active Adult Community - Yolo County, Summer

6.2 Area by SubCategory

Mitigated

SubCategory	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	2.0710					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8981					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3173	0.5029	43.6090	2.3000e-003		0.2410	0.2410	0.2410	0.2410	0.2410		78.4387	78.4387	0.0757		80.3307
Total	16.2864	0.5029	43.6090	2.3000e-003		0.2410	0.2410		0.2410	0.2410	0.0000	78.4387	78.4387	0.0757	0.0000	80.3307

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

West Davis Active Adult Community - Yolo County, Summer

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

West Davis Active Adult Community - Yolo County, Winter

West Davis Active Adult Community
Yolo County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Health Club	8.00	1000sqft	0.18	8,000.00	0
High Turnover (Sit Down Restaurant)	5.00	1000sqft	0.11	5,000.00	0
Apartments Low Rise	150.00	Dwelling Unit	4.26	150,000.00	429
Retirement Community	142.00	Dwelling Unit	9.21	142,000.00	406
Congregate Care (Assisted Living)	30.00	Dwelling Unit	3.03	30,000.00	86
Single Family Housing	77.00	Dwelling Unit	8.90	138,600.00	220
City Park	1.10	Acre	1.10	47,916.00	0
Retirement Community	129.00	Dwelling Unit	8.90	129,000.00	369

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	6.8	Precipitation Freq (Days)	54
Climate Zone	2			Operational Year	2022

Utility Company Pacific Gas & Electric Company

CO2 Intensity (lb/MW/hr)	641.35	CH4 Intensity (lb/MW/hr)	0.029	N2O Intensity (lb/MW/hr)	0.006
---------------------------------	--------	---------------------------------	-------	---------------------------------	-------

1.3 User Entered Comments & Non-Default Data

West Davis Active Adult Community - Yolo County, Winter

Project Characteristics -

Land Use - As provided by Project Applicant.

Construction Phase - Estimated based on project size.

Grading - 74.49 acres of developed land uses + 11.53 acres of off-site improvements = 86.02 acres

Vehicle Trips - Trip rates provided by the Traffic Study (Fehr & Peers, 2017)

Construction Off-road Equipment Mitigation - As provided by YSAQMD BMPs (Source: Yolo-Solano Air Quality Management District's Handbook for Assessing and Mitigating Air Quality Impacts (2007)).

Mobile Land Use Mitigation - 560 du/74.49 acres = 7.51 du/acre; Existing bus stop is within 0.1 miles of the project site. Affordable units = 150/560 = 26.79%.

Area Mitigation -

Energy Mitigation - Exceed Title 24 by approximately 16.9; equivalent to meeting the 2016 Title 24 standard. See pg. 8:

http://www.energy.ca.gov/title24/2016standards/rulemaking/documents/2015-06-10_hearing/2015-06-10_Adoption_Hearing_Presentation.pdf

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	14
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstructionPhase	NumDays	30.00	29.00
tblConstructionPhase	NumDays	55.00	510.00
tblConstructionPhase	PhaseEndDate	7/21/2020	5/11/2020
tblConstructionPhase	PhaseEndDate	11/3/2020	8/24/2020
tblConstructionPhase	PhaseEndDate	9/5/2023	6/26/2023
tblConstructionPhase	PhaseEndDate	11/21/2023	9/8/2023
tblConstructionPhase	PhaseEndDate	2/6/2024	8/25/2023
tblConstructionPhase	PhaseStartDate	6/10/2020	4/1/2020
tblConstructionPhase	PhaseStartDate	7/22/2020	5/12/2020
tblConstructionPhase	PhaseStartDate	11/4/2020	8/25/2020
tblConstructionPhase	PhaseStartDate	9/6/2023	6/26/2023

West Davis Active Adult Community - Yolo County, Winter

tblConstructionPhase	PhaseStartDate	9/11/2021
tblGrading	AcresOfGrading	86.02
tblLandUse	LotAcreage	4.26
tblLandUse	LotAcreage	9.21
tblLandUse	LotAcreage	3.03
tblLandUse	LotAcreage	8.90
tblLandUse	LotAcreage	8.90
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	3.44
tblVehicleTrips	ST_TR	12.82
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	3.44
tblVehicleTrips	SU_TR	12.82
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	3.44
tblVehicleTrips	WD_TR	12.82

2.0 Emissions Summary

West Davis Active Adult Community - Yolo County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Year	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
2020	4.5254	50.2509	32.4560	0.0709	377.7062	2.1983	378.8745	38.2219	2.0224	39.3206	0.0000	7,025.3007	7,025.3007	1.9460	0.0000	7,045.0900
2021	18.7150	26.9677	29.9791	0.0779	445.3627	1.0903	446.4530	45.0644	1.0306	46.0950	0.0000	7,708.8223	7,708.8223	0.8044	0.0000	7,728.9319
2022	18.3901	24.5862	28.7903	0.0767	445.3626	0.9255	446.2881	45.0644	0.8754	45.9398	0.0000	7,583.0143	7,583.0143	0.7872	0.0000	7,602.6942
2023	19.1836	32.2421	42.5307	0.0989	458.7158	1.3073	460.0231	46.4149	1.2233	47.6382	0.0000	9,736.5691	9,736.5691	1.4665	0.0000	9,773.2321
Maximum	19.1836	50.2509	42.5307	0.0989	458.7158	2.1983	460.0231	46.4149	2.0224	47.6382	0.0000	9,736.5691	9,736.5691	1.9460	0.0000	9,773.2321

West Davis Active Adult Community - Yolo County, Winter

**2.2 Overall Operational
Unmitigated Operational**

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	1,670.928 9	29.7093	2,094.786 6	3.7163		288.0215	288.0215		288.0215	288.0215	30,279.21 74	8,487.615 2	38,766.83 26	28.9442	2.2840	40,171.07 60
Energy	0.2385	2.0491	0.9495	0.0130		0.1648	0.1648		0.1648	0.1648		2,601.594 0	2,601.594 0	0.0499	0.0477	2,617.053 9
Mobile	5.1992	41.2342	58.4776	0.2187	972.0100	0.1884	972.1984	99.5151	0.1772	99.6922		22,279.41 61	22,279.41 61	1.0650		22,306.04 19
Total	1,676.366 6	72.9927	2,154.213 7	3.9480	972.0100	288.3747	1,260.384 7	99.5151	288.3634	387.8785	30,279.21 74	33,368.62 53	63,647.84 27	30.0591	2.3317	65,094.17 18

Mitigated Operational

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	16.2864	0.5029	43.6090	2.3000e-003		0.2410	0.2410		0.2410	0.2410	0.0000	78.4387	78.4387	0.0757	0.0000	80.3307
Energy	0.2070	1.7790	0.8279	0.0113		0.1430	0.1430		0.1430	0.1430		2,257.979 0	2,257.979 0	0.0433	0.0414	2,271.397 0
Mobile	4.9798	39.1424	53.9500	0.1954	857.3128	0.1697	857.4825	87.7723	0.1595	87.9318		19,902.23 44	19,902.23 44	0.9974		19,927.17 02
Total	21.4732	41.4243	98.3869	0.2090	857.3128	0.5536	857.8665	87.7723	0.5435	88.3158	0.0000	22,238.65 21	22,238.65 21	1.1164	0.0414	22,278.89 79

West Davis Active Adult Community - Yolo County, Winter

	ROG	NOx	CO	SO2	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	98.72	43.25	95.43	94.71	11.80	99.81	31.94	11.80	99.81	77.23	100.00	33.35	65.06	96.29	98.22	65.77

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	4/1/2020	5/11/2020	5	29	
2	Grading	Grading	5/12/2020	8/24/2020	5	75	
3	Building Construction	Building Construction	8/25/2020	6/26/2023	5	740	
4	Paving	Paving	6/26/2023	9/8/2023	5	55	
5	Architectural Coating	Architectural Coating	9/11/2021	8/25/2023	5	510	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 86.02

Acres of Paving: 0

Residential Indoor: 1,193,940; Residential Outdoor: 397,980; Non-Residential Indoor: 19,500; Non-Residential Outdoor: 6,500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

West Davis Active Adult Community - Yolo County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	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	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Scrapers	2	8.00	367	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	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	378.00	66.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	76.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

West Davis Active Adult Community - Yolo County, Winter

3.1 Mitigation Measures Construction

- Use Soil Stabilizer
- Water Exposed Area
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

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
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0663	2.1974	20.2637	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

West Davis Active Adult Community - Yolo County, Winter

3.2 Site Preparation - 2020
Unmitigated Construction Off-Site

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																
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	0.0678	0.0480	0.4480	1.2500e-003	16.0239	8.8000e-004	16.0248	1.6206	8.1000e-004	1.6214	124.6514	124.6514	3.2200e-003	124.7318		124.7318
Total	0.0678	0.0480	0.4480	1.2500e-003	16.0239	8.8000e-004	16.0248	1.6206	8.1000e-004	1.6214	124.6514	124.6514	3.2200e-003	124.7318		124.7318

Mitigated Construction On-Site

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																
Fugitive Dust					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380	2.1974	2.1974	2.1974	2.0216	2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	7.0458	2.1974	9.2433	3.8730	2.0216	5.8946	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

West Davis Active Adult Community - Yolo County, Winter

3.2 Site Preparation - 2020

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.0678	0.0480	0.4480	1.2500e-003	2.3606	8.8000e-004	2.3615	0.5890	8.1000e-004	0.5898	124.6514	124.6514	3.2200e-003	124.6514	3.2200e-003	124.7318	124.7318
Total	0.0678	0.0480	0.4480	1.2500e-003	2.3606	8.8000e-004	2.3615	0.5890	8.1000e-004	0.5898	124.6514	124.6514	3.2200e-003	124.6514	3.2200e-003	124.7318	124.7318

3.3 Grading - 2020

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					7.2384	0.0000	7.2384	3.4416	0.0000	3.4416			0.0000			0.0000	0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620	2.1739	2.1739	2.1739	2.0000	2.0000	2.0000	6,005.8653	6,005.8653	1.9424	1.9424		6,054.4257	6,054.4257
Total	4.4501	50.1975	31.9583	0.0620	7.2384	2.1739	9.4123	3.4416	2.0000	5.4416	6,005.8653	6,005.8653	1.9424	1.9424		6,054.4257	6,054.4257

West Davis Active Adult Community - Yolo County, Winter

3.3 Grading - 2020

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.0753	0.0534	0.4978	1.3900e-003	17.8044	9.7000e-004	17.8053	1.8007	9.0000e-004	1.8016	138.5015	138.5015	3.5800e-003	138.5909			138.5909
Total	0.0753	0.0534	0.4978	1.3900e-003	17.8044	9.7000e-004	17.8053	1.8007	9.0000e-004	1.8016	138.5015	138.5015	3.5800e-003	138.5909			138.5909

Mitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					2.8230	0.0000	2.8230	1.3422	0.0000	1.3422	0.0000	0.0000	0.0000			0.0000
Off-Road	4.4501	50.1975	31.9583	0.0620	2.1739	2.1739	2.1739	2.0000	2.0000	2.0000	0.0000	6,005.865 ₃	6,005.865 ₃	1.9424		6,054.425 ₇
Total	4.4501	50.1975	31.9583	0.0620	2.8230	2.1739	4.9969	1.3422	2.0000	3.3422	0.0000	6,005.865₃	6,005.865₃	1.9424		6,054.425₇

West Davis Active Adult Community - Yolo County, Winter

3.3 Grading - 2020

Mitigated Construction Off-Site

lb/day																	
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	
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	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	0.0000
Worker	0.0753	0.0534	0.4978	1.3900e-003	2.6229	9.7000e-004	2.6238	0.6544	9.0000e-004	0.6553	138.5015	138.5015	3.5800e-003	138.5015	138.5909	138.5909	138.5909
Total	0.0753	0.0534	0.4978	1.3900e-003	2.6229	9.7000e-004	2.6238	0.6544	9.0000e-004	0.6553	138.5015	138.5015	3.5800e-003	138.5015	138.5909	138.5909	138.5909

3.4 Building Construction - 2020

Unmitigated Construction On-Site

lb/day																
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
Off-Road	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503	2,553.063	1	2,553.063	0.6229	1	2,568.634
Total	2.1198	19.1860	16.8485	0.0269	1.1171	1.1171	1.1171	1.0503	1.0503	1.0503	2,553.063	1	2,553.063	0.6229	1	2,568.634

West Davis Active Adult Community - Yolo County, Winter

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000
Vendor	0.2228	7.5163	1.5259	0.0177	41.2040	0.0328	41.2368	4.1893	0.0314	4.2207	1,854.5592	1,854.5592	1,854.5592	0.1011		1,857.0870	
Worker	1.4237	1.0083	9.4076	0.0263	336.5022	0.0184	336.5206	34.0326	0.0170	34.0496	2,617.6785	2,617.6785	2,617.6785	0.0676		2,619.3685	
Total	1.6465	8.5246	10.9335	0.0440	377.7062	0.0512	377.7574	38.2219	0.0484	38.2703	4,472.2377	4,472.2377	4,472.2377	0.1687		4,476.4555	

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345	
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171	1.0503	1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345	

West Davis Active Adult Community - Yolo County, Winter

3.4 Building Construction - 2020

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	0.0000
Vendor	0.2228	7.5163	1.5259	0.0177	6.1348	0.0328	6.1676	1.5414	0.0314	1.5728	1,854.559	2	1,854.559	0.1011		1,857.087	0
Worker	1.4237	1.0083	9.4076	0.0263	49.5723	0.0184	49.5907	12.3681	0.0170	12.3851	2,617.678	5	2,617.678	0.0676		2,619.368	5
Total	1.6465	8.5246	10.9335	0.0440	55.7071	0.0512	55.7583	13.9095	0.0484	13.9579	4,472.237	7	4,472.237	0.1687		4,476.455	5

3.4 Building Construction - 2021

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013	2,553.363	9	2,553.363	0.6160		2,568.764	3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013	2,553.363	9	2,553.363	0.6160		2,568.764	3

West Davis Active Adult Community - Yolo County, Winter

3.4 Building Construction - 2021

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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
Vendor	0.1840	6.9273	1.3117	0.0176	41.2040	0.0161	41.2201	4.1893	0.0154	4.2047	1,837.7643	1,837.7643	1,840.1810	0.0967			1,840.1810
Worker	1.3230	0.9004	8.5546	0.0254	336.5022	0.0179	336.5200	34.0326	0.0165	34.0491	2,527.9758	2,527.9758	2,529.4825	0.0603			2,529.4825
Total	1.5070	7.8277	9.8664	0.0429	377.7061	0.0340	377.7401	38.2219	0.0319	38.2538	4,365.7401	4,365.7401	4,368.6635	0.1569			4,368.6635

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586	0.9013	0.9013	0.9013	0.0000	2,553.3639	2,553.3639	0.6160			2,568.7643

West Davis Active Adult Community - Yolo County, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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
Vendor	0.1840	6.9273	1.3117	0.0176	6.1347	0.0161	6.1509	1.5414	0.0154	1.5568	1,837.764	3	1,837.764	0.0967			1,840.181
Worker	1.3230	0.9004	8.5546	0.0254	49.5723	0.0179	49.5901	12.3681	0.0165	12.3846	2,527.975	8	2,527.975	0.0603			2,529.482
Total	1.5070	7.8277	9.8664	0.0429	55.7070	0.0340	55.7410	13.9095	0.0319	13.9414	4,365.740	1	4,365.740	0.1569			4,369.663

3.4 Building Construction - 2022

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090	0.7612	0.7612	0.7612	2,554.333	6	2,554.333	0.6120			2,569.632
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090	0.7612	0.7612	0.7612	2,554.333	6	2,554.333	0.6120			2,569.632

West Davis Active Adult Community - Yolo County, Winter

3.4 Building Construction - 2022

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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
Vendor	0.1706	6.5916	1.2042	0.0174	41.2039	0.0139	41.2178	4.1892	0.0133	4.2025	1,820.209	5	1,820.209	0.0921			1,822.511
Worker	1.2377	0.8080	7.8340	0.0245	336.5022	0.0174	336.5196	34.0326	0.0160	34.0486	2,437.036	9	2,437.036	0.0540			2,438.386
Total	1.4083	7.3996	9.0382	0.0418	377.7061	0.0312	377.7373	38.2219	0.0293	38.2511	4,257.246	4	4,257.246	0.1461			4,260.898

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090	0.7612	0.7612	0.7612	0.0000	2,554.333	6	2,554.333	0.6120		2,569.632
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090	0.7612	0.7612	0.7612	0.0000	2,554.333	6	2,554.333	0.6120		2,569.632

West Davis Active Adult Community - Yolo County, Winter

3.4 Building Construction - 2022
Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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
Vendor	0.1706	6.5916	1.2042	0.0174	6.1347	0.0139	6.1486	1.5414	0.0133	1.5546	1,820.209	5	1,820.209	0.0921			1,822.511
Worker	1.2377	0.8080	7.8340	0.0245	49.5723	0.0174	49.5896	12.3681	0.0160	12.3841	2,437.036	9	2,437.036	0.0540			2,438.386
Total	1.4083	7.3996	9.0382	0.0418	55.7070	0.0312	55.7382	13.9095	0.0293	13.9388	4,257.246	4	4,257.246	0.1461			4,260.898

3.4 Building Construction - 2023
Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	2,555.209	9	2,555.209	0.6079			2,570.406
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	2,555.209	9	2,555.209	0.6079			2,570.406

West Davis Active Adult Community - Yolo County, Winter

3.4 Building Construction - 2023

Unmitigated Construction Off-Site

lb/day																
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
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
Vendor	0.1253	5.4619	0.9973	0.0170	41.2039	5.5000e-003	41.2094	4.1892	5.2600e-003	4.1945	1,782.6505	1,782.6505	0.0680	0.0680		1,784.3503
Worker	1.1598	0.7259	7.1684	0.0235	336.5022	0.0170	336.5192	34.0326	0.0156	34.0483	2,345.1124	2,345.1124	0.0483	0.0483		2,346.3186
Total	1.2851	6.1878	8.1657	0.0405	377.7060	0.0225	377.7285	38.2218	0.0209	38.2427	4,127.7628	4,127.7628	0.1163	0.1163		4,130.6690

Mitigated Construction On-Site

lb/day																
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
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997	0.6584	0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997	0.6584	0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

West Davis Active Adult Community - Yolo County, Winter

3.4 Building Construction - 2023

Mitigated Construction Off-Site

lb/day																
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
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	0.1253	5.4619	0.9973	0.0170	6.1346	5.5000e-003	6.1401	1.5413	5.2600e-003	1.5466	1,782.6505	1,782.6505	1,782.6505	0.0680		1,784.3503
Worker	1.1598	0.7259	7.1684	0.0235	49.5723	0.0170	49.5892	12.3681	0.0156	12.3838	2,345.1124	2,345.1124	2,345.1124	0.0483		2,346.3186
Total	1.2851	6.1878	8.1657	0.0405	55.7069	0.0225	55.7294	13.9095	0.0209	13.9304	4,127.7628	4,127.7628	4,127.7628	0.1163		4,130.6690

3.5 Paving - 2023

Unmitigated Construction On-Site

lb/day																
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
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694			2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694			2,207.5841	0.7140		2,225.4336

West Davis Active Adult Community - Yolo County, Winter

3.5 Paving - 2023

Unmitigated Construction Off-Site

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																
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	0.0460	0.0288	0.2845	9.3000e-004	13.3533	6.7000e-004	13.3539	1.3505	6.2000e-004	1.3511	93.0600	93.0600	93.0600	1.9100e-003		93.1079
Total	0.0460	0.0288	0.2845	9.3000e-004	13.3533	6.7000e-004	13.3539	1.3505	6.2000e-004	1.3511	93.0600	93.0600	93.0600	1.9100e-003		93.1079

Mitigated Construction On-Site

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																
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102	0.4694	0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102	0.4694	0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

West Davis Active Adult Community - Yolo County, Winter

3.5 Paving - 2023

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.0460	0.0288	0.2845	9.3000e-004	1.9672	6.7000e-004	1.9678	0.4908	6.2000e-004	0.4914	93.0600	93.0600	93.0600	1.9100e-003		93.1079	
Total	0.0460	0.0288	0.2845	9.3000e-004	1.9672	6.7000e-004	1.9678	0.4908	6.2000e-004	0.4914	93.0600	93.0600	93.0600	1.9100e-003		93.1079	

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	14.8222					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	0.0941			281.4481	0.0193		281.9309	
Total	15.0411	1.5268	1.8176	2.9700e-003		0.0941	0.0941	0.0941	0.0941	0.0941			281.4481	0.0193		281.9309	

West Davis Active Adult Community - Yolo County, Winter

3.6 Architectural Coating - 2021
Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.2660	0.1810	1.7200	5.1000e-003	67.6565	3.5900e-003	67.6601	6.8425	3.3100e-003	6.8458	508.2703	508.2703	508.2703	0.0121		508.5732	
Total	0.2660	0.1810	1.7200	5.1000e-003	67.6565	3.5900e-003	67.6601	6.8425	3.3100e-003	6.8458	508.2703	508.2703	508.2703	0.0121		508.5732	

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	14.8222					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	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309	
Total	15.0411	1.5268	1.8176	2.9700e-003	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309	

West Davis Active Adult Community - Yolo County, Winter

3.6 Architectural Coating - 2021
Mitigated Construction Off-Site

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																
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	0.2660	0.1810	1.7200	5.1000e-003	9.9669	3.5900e-003	9.9705	2.4867	3.3100e-003	2.4900	508.2703	508.2703	508.2703	0.0121		508.5732
Total	0.2660	0.1810	1.7200	5.1000e-003	9.9669	3.5900e-003	9.9705	2.4867	3.3100e-003	2.4900	508.2703	508.2703	508.2703	0.0121		508.5732

3.6 Architectural Coating - 2022
Unmitigated Construction On-Site

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																
Archit. Coating	14.8222					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	0.0817	0.0817	281.4481	281.4481	281.4481	0.0183		281.9062
Total	15.0267	1.4085	1.8136	2.9700e-003	0.0817	0.0817	0.0817	0.0817	0.0817	0.0817	281.4481	281.4481	281.4481	0.0183		281.9062

West Davis Active Adult Community - Yolo County, Winter

3.6 Architectural Coating - 2022
Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
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	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	0.0000
Worker	0.2488	0.1625	1.5751	4.9200e-003	67.6565	3.4900e-003	67.6600	6.8425	3.2200e-003	6.8458	489.9863	489.9863	0.0109	0.0109		490.2577	
Total	0.2488	0.1625	1.5751	4.9200e-003	67.6565	3.4900e-003	67.6600	6.8425	3.2200e-003	6.8458	489.9863	489.9863	0.0109	0.0109		490.2577	

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Archit. Coating	14.8222					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	0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062	
Total	15.0267	1.4085	1.8136	2.9700e-003	0.0817	0.0817	0.0817	0.0817	0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062	

West Davis Active Adult Community - Yolo County, Winter

3.6 Architectural Coating - 2022
Mitigated Construction Off-Site

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																
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	0.2488	0.1625	1.5751	4.9200e-003	9.9669	3.4900e-003	9.9704	2.4867	3.2200e-003	2.4899	489.9863	489.9863	0.0109	0.0109	490.2577	490.2577
Total	0.2488	0.1625	1.5751	4.9200e-003	9.9669	3.4900e-003	9.9704	2.4867	3.2200e-003	2.4899	489.9863	489.9863	0.0109	0.0109	490.2577	490.2577

3.6 Architectural Coating - 2023
Unmitigated Construction On-Site

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																
Archit. Coating	14.8222					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		281.8690
Total	15.0138	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

West Davis Active Adult Community - Yolo County, Winter

3.6 Architectural Coating - 2023
Unmitigated Construction Off-Site

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																
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	0.2332	0.1459	1.4413	4.7300e-003	67.6565	3.4100e-003	67.6599	6.8425	3.1400e-003	6.8457	471.5041	471.5041	9.7000e-003	9.7000e-003	471.7466	471.7466
Total	0.2332	0.1459	1.4413	4.7300e-003	67.6565	3.4100e-003	67.6599	6.8425	3.1400e-003	6.8457	471.5041	471.5041	9.7000e-003	9.7000e-003	471.7466	471.7466

Mitigated Construction On-Site

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																
Archit. Coating	14.8222					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	0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	15.0138	1.3030	1.8111	2.9700e-003	0.0708	0.0708	0.0708	0.0708	0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

West Davis Active Adult Community - Yolo County, Winter

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

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															
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	0.2332	0.1459	1.4413	4.7300e-003	9.9669	3.4100e-003	9.9703	2.4867	3.1400e-003	2.4899	471.5041	471.5041	9.7000e-003	9.7000e-003	471.7466	471.7466
Total	0.2332	0.1459	1.4413	4.7300e-003	9.9669	3.4100e-003	9.9703	2.4867	3.1400e-003	2.4899	471.5041	471.5041	9.7000e-003	9.7000e-003	471.7466	471.7466

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

West Davis Active Adult Community - Yolo County, Winter

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															
Mitigated	4.9798	39.1424	53.9500	0.1954	857.3128	0.1697	857.4825	87.7723	0.1595	87.9318	19,902.23	44	19,902.23	0.9974		19,927.17
Unmitigated	5.1992	41.2342	58.4776	0.2187	972.0100	0.1884	972.1984	99.5151	0.1772	99.6922	22,279.41	61	22,279.41	1.0650		22,306.04

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Apartments Low Rise	516.00	516.00	516.00	1,354,117	1,194,331		
Health Club	263.44	166.96	213.84	340,199	300,055		
High Turnover (Sit Down Restaurant)	635.75	791.85	659.20	597,324	526,840		
City Park	2.08	25.03	18.41	14,383	12,686		
Congregate Care (Assisted Living)	103.20	103.20	103.20	270,823	238,866		
Retirement Community	488.48	488.48	488.48	1,281,898	1,130,634		
Retirement Community	443.76	443.76	443.76	1,164,541	1,027,125		
Single Family Housing	987.14	987.14	987.14	2,590,510	2,284,830		
Total	3,439.85	3,522.42	3,430.03	7,613,795	6,715,367		

4.3 Trip Type Information

West Davis Active Adult Community - Yolo County, Winter

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 Low Rise	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3
Health Club	10.00	5.00	7.00	16.90	64.10	19.00	52	39	9
High Turnover (Sit Down City Park	10.00	5.00	7.00	8.50	72.50	19.00	37	20	43
Congregate Care (Assisted Retirement Community	10.00	5.00	7.00	33.00	48.00	19.00	66	28	6
Retirement Community	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3
Single Family Housing	10.00	5.00	7.00	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Health Club	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
High Turnover (Sit Down Restaurant)	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
City Park	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Congregate Care (Assisted Living)	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Retirement Community	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791
Single Family Housing	0.492305	0.039568	0.208718	0.119283	0.022760	0.005403	0.060505	0.041350	0.001014	0.001744	0.005799	0.000759	0.000791

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

West Davis Active Adult Community - Yolo County, Winter

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															
NaturalGas Mitigated	0.2070	1.7790	0.8279	0.0113	0.1430	0.1430	0.1430	0.1430	0.1430	0.1430		2,257.9790	2,257.9790	0.0433	0.0414	2,271.3970
NaturalGas Unmitigated	0.2385	2.0491	0.9495	0.0130	0.1648	0.1648	0.1648	0.1648	0.1648	0.1648		2,601.5940	2,601.5940	0.0499	0.0477	2,617.0539

West Davis Active Adult Community - Yolo County, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										lb/day				CO2e	
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4		N2O
Apartments Low Rise	4972.08	0.0536	0.4582	0.1950	2.9200e-003		0.0371	0.0371	0.0371	0.0371	0.0371	0.0371		584.9502	0.0112	0.0107	588.4263
City Park	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
Congregate Care (Assisted Living)	801.214	8.6400e-003	0.0738	0.0314	4.7000e-004		5.9700e-003	5.9700e-003	5.9700e-003	5.9700e-003	5.9700e-003	5.9700e-003		94.2604	1.8100e-003	1.7300e-003	94.8206
Health Club	408.548	4.4100e-003	0.0401	0.0337	2.4000e-004		3.0400e-003	3.0400e-003	3.0400e-003	3.0400e-003	3.0400e-003	3.0400e-003		48.0645	9.2000e-004	8.8000e-004	48.3501
High Turnover (Sit Down Restaurant)	1488.77	0.0162	0.1469	0.1234	8.8000e-004		0.0112	0.0112	0.0112	0.0112	0.0112	0.0112		176.3255	3.3800e-003	3.2300e-003	177.3734
Retirement Community	4275.99	0.0461	0.3941	0.1677	2.5200e-003		0.0319	0.0319	0.0319	0.0319	0.0319	0.0319		503.0572	9.6400e-003	9.2200e-003	506.0466
Retirement Community	4706.9	0.0508	0.4338	0.1846	2.7700e-003		0.0351	0.0351	0.0351	0.0351	0.0351	0.0351		553.7529	0.0106	0.0102	557.0435
Single Family Housing	5450.06	0.0588	0.5023	0.2137	3.2100e-003		0.0406	0.0406	0.0406	0.0406	0.0406	0.0406		641.1833	0.0123	0.0118	644.9935
Total		0.2385	2.0491	0.9495	0.0130		0.1648	0.1648	0.1648	0.1648	0.1648	0.1648		2,601.5940	0.0499	0.0477	2,617.0539

West Davis Active Adult Community - Yolo County, Winter

5.2 Energy by Land Use - Natural Gas

Mitigated

Land Use	Natural Gas Use kBtu/yr	lb/day										lb/day				CO2e		
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4		N2O	
Apartments Low Rise	4.31841	0.0466	0.3980	0.1694	2.5400e-003		0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	0.0322	511.0677
City Park	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	0.0000	0.0000
Congregate Care (Assisted Living)	0.703132	7.5800e-003	0.0648	0.0276	4.1000e-004		5.2400e-003	5.2400e-003	5.2400e-003	5.2400e-003	5.2400e-003	5.2400e-003	5.2400e-003	5.2400e-003	5.2400e-003	5.2400e-003	5.2400e-003	83.2130
Health Club	0.339726	3.6600e-003	0.0333	0.0280	2.0000e-004		2.5300e-003	2.5300e-003	2.5300e-003	2.5300e-003	2.5300e-003	2.5300e-003	2.5300e-003	2.5300e-003	2.5300e-003	2.5300e-003	2.5300e-003	40.2052
High Turnover (Sit Down Restaurant)	1.40482	0.0152	0.1377	0.1157	8.3000e-004		0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	166.2553
Retirement Community	3.71384	0.0401	0.3423	0.1456	2.1800e-003		0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	0.0277	439.5182
Retirement Community	4.0881	0.0441	0.3768	0.1603	2.4000e-003		0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	0.0305	483.8108
Single Family Housing	4.6248	0.0499	0.4262	0.1814	2.7200e-003		0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345	547.3268
Total		0.2070	1.7790	0.8279	0.0113		0.1430	0.1430	0.1430	0.1430	0.1430	0.1430	0.1430	0.1430	0.1430	0.1430	0.1430	2,271.3971

6.0 Area Detail

6.1 Mitigation Measures Area

West Davis Active Adult Community - Yolo County, Winter

- 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
- No Hearths Installed

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															
Mitigated	16.2864	0.5029	43.6090	2.3000e-003	0.2410	0.2410	0.2410	0.2410	0.2410	0.2410	0.0000	78.4387	78.4387	0.0757	0.0000	80.3307
Unmitigated	1,670.9289	29.7093	2,094.7866	3.7163	288.0215	288.0215	288.0215	288.0215	288.0215	288.0215	30,279.2174	8,487.6152	38,766.8326	28.9442	2.2840	40,171.0760

West Davis Active Adult Community - Yolo County, Winter

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	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																
Architectural Coating	2.0710					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8981					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1,654.6425	29.2064	2,051.1776	3.7140		287.7806	287.7806		287.7806	287.7806	30,279.2174	8,409.1765	38,688.3938	28.8685	2.2840	40,090.7453
Landscaping	1.3173	0.5029	43.6090	2.3000e-003		0.2410	0.2410		0.2410	0.2410		78.4387	78.4387	0.0757		80.3307
Total	1,670.9289	29.7094	2,094.7866	3.7163		288.0215	288.0215		288.0215	288.0215	30,279.2174	8,487.6152	38,766.8326	28.9442	2.2840	40,171.0760

West Davis Active Adult Community - Yolo County, Winter

6.2 Area by SubCategory

Mitigated

SubCategory	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	2.0710					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	12.8981					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.3173	0.5029	43.6090	2.3000e-003		0.2410	0.2410		0.2410	0.2410		78.4387	78.4387	0.0757		80.3307
Total	16.2864	0.5029	43.6090	2.3000e-003		0.2410	0.2410		0.2410	0.2410	0.0000	78.4387	78.4387	0.0757	0.0000	80.3307

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

West Davis Active Adult Community - Yolo County, Winter

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Off-road Mobile (Construction) Energy Usage

Note: For the sake of simplicity, and as a conservative estimation, it was assumed that all off-road vehicles use diesel fuel as an energy source. Site preparation and grading off-road mobile vehicle on-site gallons of fuel are calculated below.

Given Factor:	254.83 metric tons	CO2	(provided in CalEEMod Output File)
Conversion Factor:	2204.62 pounds	per metric ton	
Intermediate Result:	561,813 pounds	CO2	
Conversion Factor:	22.38 pounds	CO2 per 1 gallon of diesel fuel	(Source: U.S. EIA, 2016.
Final Result:	25,103.36 gallons	diesel fuel	Website: http://www.eia.gov/tools/faqs/faq.cfm?id=307&t=11)

On-road Mobile (Operational) Energy Usage

Note: For the sake of simplicity, it was assumed that passenger vehicles, light duty trucks, motorcycles, and mobile homes use gasoline, and all medium-duty trucks, heavy-duty trucks, and buses use diesel fuel.

Unmitigated:

Step 1: **Total Net Daily Trips (conservatively estimated)**

3,586

$\frac{Res\ H-W}{Trip\ Length} = \frac{Res\ H-S}{Trip\ Length} = \frac{Res\ H-O}{Trip\ Length}$

Trip Length (miles) (provided by CalEEMod)

10 5 7

Trip % (conservatively estimated)

46.00% 13.00% 41.00%

Average Trip Length (weighted average)

8.1200

Therefore:

Average Daily VMT:

29,118

Step 2:

Given:

Fleet Mix (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
48.7%	4.2%	20.7%	12.7%	2.7%	0.6%	5.5%	3.9%	0.1%	0.1%	0.2%	0.6%	0.1%

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2	MDV	MCY	MH	OBUS
27.17699651	22.892247	20.66278	15.20374012	36.82950412	6.496305857	6.448382

Diesel MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LHD1	LHD2	MHD	HHD	UBUS	SBUS
17.00271661	15.30257	8.140403	5.408755733	4.706134817	7.178678959

Therefore:

Weighted Average MPG Factors

Gasoline: **23.7**

Diesel: **9.4**

Step 3:

Therefore:

1,069 daily gallons of gasoline

404 daily gallons of diesel

or

390,032 annual gallons of gasoline

147,345 annual gallons of diesel

On-road Mobile (Construction) Energy Usage - Site Preparation

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**
18

Worker Trip Length (miles) (provided by CalEEMod)
10

Therefore:
Average Worker Daily VMT:
180

Step 2: Given:
Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)
LDA LDT1 LDT2
0.3333333 0.333333 0.333333

And:
Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020
LDA LDT1 LDT2
27.176997 22.89247 20.66278

Therefore:
Weighted Average Worker MPG Factor
23.6

Step 3: **Therefore:**
7.6 Worker daily gallons of gasoline

Step 4: 29 # of Days (see CalEEMod)

Therefore: 221 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Grading

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

20

Worker Trip Length (miles) (provided by CalEEMod)

10

Therefore:

Average Worker Daily VMT:

200

Step 2: **Given:**

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
27.176997	22.89247	20.66278

Therefore:

Weighted Average Worker MPG Factor

23.6

Step 3:

Therefore: 8.5 Worker daily gallons of gasoline

Step 4:

75 # of Days (see CalEEMod)

Therefore:

636 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Building Construction

Step 1: Total Daily Worker Trips (provided by CalEEMod) Total Daily Hauler Trips (provided by CalEEMod)
0

Worker Trip Length (miles) (provided by CalEEMod) Hauling Trip Length (miles) (provided by CalEEMod)
0

Therefore: Average Worker Daily VMT: Average Hauling Daily VMT:
-

Step 2: Given: Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)
 LDA LDT1 LDT2
 0.33333333 0.3333333 0.3333333
 Assumed Fleet Mix for Vendors (provided by CalEEMod v2016.3.1)
 MHD HHD
 0.5 0.5

Total Daily Vendor Trips (provided by CalEEMod) Vendor Trip Length (miles) (provided by CalEEMod)
7.0

Therefore: Average Vendor Daily VMT: Weighted Average Vendor (Diesel) MPG Factor
462

MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020
 Gasoline: LDA LDT1 LDT2
 27.1769965 22.89247 20.66278
 Diesel: MHD HHD
 8.140403493 5.408756

Step 3: Therefore: Weighted Average Worker (Gasoline) MPG Factor Therefore: Weighted Average Hauling MPG Factor
23.6 0.0

Therefore: 160 Worker daily gallons of gasoline Therefore: 0.0

Step 4: 740 # of Days (see CalEEMod) Total gallons of diesel
50,465

Therefore: 118,639 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Paving

Step 1: Total Daily Worker Trips (provided by CalEEMod)

15

Worker Trip Length (miles) (provided by CalEEMod)

10

Therefore:

Average Worker Daily VMT:

150

Step 2:

Given:

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
27.176997	22.89247	20.66278

Therefore:

Weighted Average Worker MPG Factor

23.6

Step 3:

Therefore:

6.4 Worker daily gallons of gasoline

Step 4:

55 # of Days (see CalEEMod)

Therefore:

350 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Architectural Coating

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**
76

Worker Trip Length (miles) (provided by CalEEMod)
10

Therefore:
Average Worker Daily VMT:
760

Step 2: **Given:**
Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)
LDA LDT1 LDT2
0.3333333 0.333333 0.333333

And:
Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020
LDA LDT1 LDT2
27.176997 22.89247 20.66278

Therefore:
Weighted Average Worker MPG Factor
23.6

Step 3: **Therefore:**
32.2 Worker daily gallons of gasoline

Step 4: 510 # of Days (see CalEEMod)

Therefore: **16,439** Total gallons of gasoline