

APPENDIX A
CALEEMOD MODELING RESULTS

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

**Florin Perkins Warehouse Expansion
Sacramento Metropolitan AQMD Air District, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	262.19	1000sqft	6.02	262,187.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	404.84	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CO2 intensity factor adjusted per SMUD's RPS projections.
- Land Use - Square footage updated per site plan.
- Construction Phase - Architectural coating phase adjusted to occur concurrently with building construction.
- Demolition -
- Operational Off-Road Equipment - number of forklifts based on forklift:warehouse square footage ratio.
- Vehicle Trips - Trip rate adjusted to be consistent with traffic report.
- Energy Mitigation - Title 24 exceedance applied to reflect compliance with 2019 CBSC.
- Water Mitigation - Water conservation strategy applied to reflect compliance with 2019 CalGreen Code and MWEL0.

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	8/22/2022	8/8/2022
tblConstructionPhase	PhaseEndDate	6/27/2022	7/25/2022
tblConstructionPhase	PhaseEndDate	7/25/2022	9/6/2021
tblConstructionPhase	PhaseStartDate	7/26/2022	9/21/2021
tblConstructionPhase	PhaseStartDate	8/10/2021	9/7/2021
tblConstructionPhase	PhaseStartDate	6/28/2022	8/10/2021
tblLandUse	LandUseSquareFeet	262,190.00	262,187.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	404.84
tblVehicleTrips	ST_TR	1.32	4.90
tblVehicleTrips	SU_TR	0.68	4.90
tblVehicleTrips	WD_TR	6.97	4.90

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2021	8-31-2021	0.9635	0.9635
2	9-1-2021	11-30-2021	1.0906	1.0906
3	12-1-2021	2-28-2022	1.1378	1.1378
4	3-1-2022	5-31-2022	1.1335	1.1335
5	6-1-2022	8-31-2022	0.7386	0.7386
		Highest	1.1378	1.1378

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1458	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5100e-003	6.5100e-003	2.0000e-005	0.0000	6.9400e-003
Energy	0.0506	0.4602	0.3866	2.7600e-003		0.0350	0.0350		0.0350	0.0350	0.0000	1,231.8848	1,231.8848	0.0620	0.0200	1,239.3989
Mobile	0.3858	1.7095	4.6778	0.0152	1.3250	0.0132	1.3382	0.3552	0.0124	0.3676	0.0000	1,393.7089	1,393.7089	0.0651	0.0000	1,395.3352
Offroad	0.0742	0.6891	0.7537	1.0000e-003		0.0457	0.0457		0.0420	0.0420	0.0000	87.7258	87.7258	0.0284	0.0000	88.4351
Waste						0.0000	0.0000		0.0000	0.0000	65.9964	0.0000	65.9964	3.9003	0.0000	163.5033
Water						0.0000	0.0000		0.0000	0.0000	21.4515	55.4757	76.9272	0.0778	0.0475	93.0191
Total	1.6565	2.8589	5.8214	0.0189	1.3250	0.0939	1.4189	0.3552	0.0894	0.4446	87.4479	2,768.8017	2,856.2496	4.1335	0.0675	2,979.6985

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.1458	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5100e-003	6.5100e-003	2.0000e-005	0.0000	6.9400e-003
Energy	0.0407	0.3701	0.3109	2.2200e-003		0.0281	0.0281		0.0281	0.0281	0.0000	1,084.4545	1,084.4545	0.0566	0.0175	1,091.0794
Mobile	0.3858	1.7095	4.6778	0.0152	1.3250	0.0132	1.3382	0.3552	0.0124	0.3676	0.0000	1,393.7089	1,393.7089	0.0651	0.0000	1,395.3352
Offroad	0.0742	0.6891	0.7537	1.0000e-003		0.0457	0.0457		0.0420	0.0420	0.0000	87.7258	87.7258	0.0284	0.0000	88.4351
Waste						0.0000	0.0000		0.0000	0.0000	65.9964	0.0000	65.9964	3.9003	0.0000	163.5033
Water						0.0000	0.0000		0.0000	0.0000	17.1612	44.3806	61.5418	0.0623	0.0380	74.4153
Total	1.6465	2.7687	5.7457	0.0184	1.3250	0.0870	1.4120	0.3552	0.0825	0.4377	83.1576	2,610.2763	2,693.4339	4.1125	0.0555	2,812.7753

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.60	3.15	1.30	2.86	0.00	7.31	0.48	0.00	7.68	1.54	4.91	5.73	5.70	0.51	17.81	5.60

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2021	6/28/2021	5	20	
2	Site Preparation	Site Preparation	6/29/2021	7/12/2021	5	10	
3	Grading	Grading	7/13/2021	8/9/2021	5	20	
4	Building Construction	Building Construction	9/7/2021	7/25/2022	5	230	
5	Paving	Paving	8/10/2021	9/6/2021	5	20	
6	Architectural Coating	Architectural Coating	9/21/2021	8/8/2022	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 393,281; Non-Residential Outdoor: 131,094; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	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	3	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

Trips and VMT

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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
Demolition	6	15.00	0.00	82.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	110.00	43.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.2400e-003	0.0000	9.2400e-003	1.4000e-003	0.0000	1.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	9.2400e-003	0.0155	0.0248	1.4000e-003	0.0144	0.0158	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	0.0108	2.4700e-003	3.0000e-005	6.9000e-004	4.0000e-005	7.3000e-004	1.9000e-004	4.0000e-005	2.3000e-004	0.0000	3.1006	3.1006	1.8000e-004	0.0000	3.1050
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435
Total	8.1000e-004	0.0112	6.2700e-003	4.0000e-005	1.7900e-003	5.0000e-005	1.8400e-003	4.8000e-004	5.0000e-005	5.3000e-004	0.0000	4.0434	4.0434	2.0000e-004	0.0000	4.0485

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.2400e-003	0.0000	9.2400e-003	1.4000e-003	0.0000	1.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
Total	0.0317	0.3144	0.2157	3.9000e-004	9.2400e-003	0.0155	0.0248	1.4000e-003	0.0144	0.0158	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.9000e-004	0.0108	2.4700e-003	3.0000e-005	6.9000e-004	4.0000e-005	7.3000e-004	1.9000e-004	4.0000e-005	2.3000e-004	0.0000	3.1006	3.1006	1.8000e-004	0.0000	3.1050
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435
Total	8.1000e-004	0.0112	6.2700e-003	4.0000e-005	1.7900e-003	5.0000e-005	1.8400e-003	4.8000e-004	5.0000e-005	5.3000e-004	0.0000	4.0434	4.0434	2.0000e-004	0.0000	4.0485

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
Total	0.0194	0.2025	0.1058	1.9000e-004	0.0903	0.0102	0.1006	0.0497	9.4000e-003	0.0591	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.2800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5657	0.5657	1.0000e-005	0.0000	0.5661
Total	3.1000e-004	2.0000e-004	2.2800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5657	0.5657	1.0000e-005	0.0000	0.5661

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
Total	0.0194	0.2025	0.1058	1.9000e-004	0.0903	0.0102	0.1006	0.0497	9.4000e-003	0.0591	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.1000e-004	2.0000e-004	2.2800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5657	0.5657	1.0000e-005	0.0000	0.5661
Total	3.1000e-004	2.0000e-004	2.2800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5657	0.5657	1.0000e-005	0.0000	0.5661

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644
Total	0.0229	0.2474	0.1586	3.0000e-004	0.0655	0.0116	0.0771	0.0337	0.0107	0.0443	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2644

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435
Total	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0229	0.2474	0.1586	3.0000e-004		0.0116	0.0116		0.0107	0.0107	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643
Total	0.0229	0.2474	0.1586	3.0000e-004	0.0655	0.0116	0.0771	0.0337	0.0107	0.0443	0.0000	26.0537	26.0537	8.4300e-003	0.0000	26.2643

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435
Total	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0798	0.7322	0.6962	1.1300e-003		0.0403	0.0403		0.0379	0.0379	0.0000	97.2877	97.2877	0.0235	0.0000	97.8744
Total	0.0798	0.7322	0.6962	1.1300e-003		0.0403	0.0403		0.0379	0.0379	0.0000	97.2877	97.2877	0.0235	0.0000	97.8744

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6800e-003	0.1848	0.0494	4.4000e-004	0.0106	5.1000e-004	0.0111	3.0500e-003	4.9000e-004	3.5400e-003	0.0000	42.3768	42.3768	2.4200e-003	0.0000	42.4374
Worker	0.0160	0.0105	0.1169	3.2000e-004	0.0339	2.4000e-004	0.0342	9.0200e-003	2.2000e-004	9.2400e-003	0.0000	29.0404	29.0404	7.6000e-004	0.0000	29.0594
Total	0.0217	0.1952	0.1663	7.6000e-004	0.0445	7.5000e-004	0.0452	0.0121	7.1000e-004	0.0128	0.0000	71.4172	71.4172	3.1800e-003	0.0000	71.4968

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0798	0.7322	0.6962	1.1300e-003		0.0403	0.0403		0.0379	0.0379	0.0000	97.2875	97.2875	0.0235	0.0000	97.8743
Total	0.0798	0.7322	0.6962	1.1300e-003		0.0403	0.0403		0.0379	0.0379	0.0000	97.2875	97.2875	0.0235	0.0000	97.8743

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.6800e-003	0.1848	0.0494	4.4000e-004	0.0106	5.1000e-004	0.0111	3.0500e-003	4.9000e-004	3.5400e-003	0.0000	42.3768	42.3768	2.4200e-003	0.0000	42.4374
Worker	0.0160	0.0105	0.1169	3.2000e-004	0.0339	2.4000e-004	0.0342	9.0200e-003	2.2000e-004	9.2400e-003	0.0000	29.0404	29.0404	7.6000e-004	0.0000	29.0594
Total	0.0217	0.1952	0.1663	7.6000e-004	0.0445	7.5000e-004	0.0452	0.0121	7.1000e-004	0.0128	0.0000	71.4172	71.4172	3.1800e-003	0.0000	71.4968

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1246	1.1399	1.1945	1.9700e-003		0.0591	0.0591		0.0556	0.0556	0.0000	169.1594	169.1594	0.0405	0.0000	170.1726
Total	0.1246	1.1399	1.1945	1.9700e-003		0.0591	0.0591		0.0556	0.0556	0.0000	169.1594	169.1594	0.0405	0.0000	170.1726

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1600e-003	0.3049	0.0791	7.6000e-004	0.0184	7.8000e-004	0.0191	5.3000e-003	7.4000e-004	6.0500e-003	0.0000	73.0075	73.0075	4.0900e-003	0.0000	73.1098
Worker	0.0260	0.0163	0.1868	5.4000e-004	0.0590	4.0000e-004	0.0594	0.0157	3.7000e-004	0.0161	0.0000	48.6670	48.6670	1.1900e-003	0.0000	48.6967
Total	0.0352	0.3212	0.2659	1.3000e-003	0.0773	1.1800e-003	0.0785	0.0210	1.1100e-003	0.0221	0.0000	121.6745	121.6745	5.2800e-003	0.0000	121.8065

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1246	1.1399	1.1945	1.9700e-003		0.0591	0.0591		0.0556	0.0556	0.0000	169.1592	169.1592	0.0405	0.0000	170.1724
Total	0.1246	1.1399	1.1945	1.9700e-003		0.0591	0.0591		0.0556	0.0556	0.0000	169.1592	169.1592	0.0405	0.0000	170.1724

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1600e-003	0.3049	0.0791	7.6000e-004	0.0184	7.8000e-004	0.0191	5.3000e-003	7.4000e-004	6.0500e-003	0.0000	73.0075	73.0075	4.0900e-003	0.0000	73.1098
Worker	0.0260	0.0163	0.1868	5.4000e-004	0.0590	4.0000e-004	0.0594	0.0157	3.7000e-004	0.0161	0.0000	48.6670	48.6670	1.1900e-003	0.0000	48.6967
Total	0.0352	0.3212	0.2659	1.3000e-003	0.0773	1.1800e-003	0.0785	0.0210	1.1100e-003	0.0221	0.0000	121.6745	121.6745	5.2800e-003	0.0000	121.8065

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435
Total	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435
Total	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1000e-003	0.0565	0.0673	1.1000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003	0.0000	9.4470	9.4470	6.5000e-004	0.0000	9.4633
Total	0.3991	0.0565	0.0673	1.1000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003	0.0000	9.4470	9.4470	6.5000e-004	0.0000	9.4633

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8200e-003	1.8400e-003	0.0206	6.0000e-005	5.9800e-003	4.0000e-005	6.0200e-003	1.5900e-003	4.0000e-005	1.6300e-003	0.0000	5.1166	5.1166	1.3000e-004	0.0000	5.1200
Total	2.8200e-003	1.8400e-003	0.0206	6.0000e-005	5.9800e-003	4.0000e-005	6.0200e-003	1.5900e-003	4.0000e-005	1.6300e-003	0.0000	5.1166	5.1166	1.3000e-004	0.0000	5.1200

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3910					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.1000e-003	0.0565	0.0673	1.1000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003	0.0000	9.4470	9.4470	6.5000e-004	0.0000	9.4632
Total	0.3991	0.0565	0.0673	1.1000e-004		3.4800e-003	3.4800e-003		3.4800e-003	3.4800e-003	0.0000	9.4470	9.4470	6.5000e-004	0.0000	9.4632

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8200e-003	1.8400e-003	0.0206	6.0000e-005	5.9800e-003	4.0000e-005	6.0200e-003	1.5900e-003	4.0000e-005	1.6300e-003	0.0000	5.1166	5.1166	1.3000e-004	0.0000	5.1200
Total	2.8200e-003	1.8400e-003	0.0206	6.0000e-005	5.9800e-003	4.0000e-005	6.0200e-003	1.5900e-003	4.0000e-005	1.6300e-003	0.0000	5.1166	5.1166	1.3000e-004	0.0000	5.1200

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8243					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0160	0.1099	0.1415	2.3000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	19.9154	19.9154	1.3000e-003	0.0000	19.9478
Total	0.8402	0.1099	0.1415	2.3000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	19.9154	19.9154	1.3000e-003	0.0000	19.9478

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5500e-003	3.4900e-003	0.0399	1.2000e-004	0.0126	9.0000e-005	0.0127	3.3500e-003	8.0000e-005	3.4300e-003	0.0000	10.4001	10.4001	2.5000e-004	0.0000	10.4064
Total	5.5500e-003	3.4900e-003	0.0399	1.2000e-004	0.0126	9.0000e-005	0.0127	3.3500e-003	8.0000e-005	3.4300e-003	0.0000	10.4001	10.4001	2.5000e-004	0.0000	10.4064

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8243					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0160	0.1099	0.1415	2.3000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	19.9154	19.9154	1.3000e-003	0.0000	19.9478
Total	0.8402	0.1099	0.1415	2.3000e-004		6.3700e-003	6.3700e-003		6.3700e-003	6.3700e-003	0.0000	19.9154	19.9154	1.3000e-003	0.0000	19.9478

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.5500e-003	3.4900e-003	0.0399	1.2000e-004	0.0126	9.0000e-005	0.0127	3.3500e-003	8.0000e-005	3.4300e-003	0.0000	10.4001	10.4001	2.5000e-004	0.0000	10.4064
Total	5.5500e-003	3.4900e-003	0.0399	1.2000e-004	0.0126	9.0000e-005	0.0127	3.3500e-003	8.0000e-005	3.4300e-003	0.0000	10.4001	10.4001	2.5000e-004	0.0000	10.4064

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3858	1.7095	4.6778	0.0152	1.3250	0.0132	1.3382	0.3552	0.0124	0.3676	0.0000	1,393.7089	1,393.7089	0.0651	0.0000	1,395.3352
Unmitigated	0.3858	1.7095	4.6778	0.0152	1.3250	0.0132	1.3382	0.3552	0.0124	0.3676	0.0000	1,393.7089	1,393.7089	0.0651	0.0000	1,395.3352

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,284.73	1,284.73	1284.73	3,553,244	3,553,244
Total	1,284.73	1,284.73	1,284.73	3,553,244	3,553,244

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	681.6031	681.6031	0.0488	0.0101	685.8341
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	730.8565	730.8565	0.0524	0.0108	735.3932
NaturalGas Mitigated	0.0407	0.3701	0.3109	2.2200e-003		0.0281	0.0281		0.0281	0.0281	0.0000	402.8514	402.8514	7.7200e-003	7.3900e-003	405.2454
NaturalGas Unmitigated	0.0506	0.4602	0.3866	2.7600e-003		0.0350	0.0350		0.0350	0.0350	0.0000	501.0283	501.0283	9.6000e-003	9.1900e-003	504.0057

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	9.38892e+006	0.0506	0.4602	0.3866	2.7600e-003		0.0350	0.0350		0.0350	0.0350	0.0000	501.0283	501.0283	9.6000e-003	9.1900e-003	504.0057
Total		0.0506	0.4602	0.3866	2.7600e-003		0.0350	0.0350		0.0350	0.0350	0.0000	501.0283	501.0283	9.6000e-003	9.1900e-003	504.0057

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	7.54915e+006	0.0407	0.3701	0.3109	2.2200e-003		0.0281	0.0281		0.0281	0.0281	0.0000	402.8514	402.8514	7.7200e-003	7.3900e-003	405.2454
Total		0.0407	0.3701	0.3109	2.2200e-003		0.0281	0.0281		0.0281	0.0281	0.0000	402.8514	402.8514	7.7200e-003	7.3900e-003	405.2454

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	3.98e+006	730.8565	0.0524	0.0108	735.3932
Total		730.8565	0.0524	0.0108	735.3932

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	3.71178e+006	681.6031	0.0488	0.0101	685.8341
Total		681.6031	0.0488	0.0101	685.8341

6.0 Area Detail

6.1 Mitigation Measures Area

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.1458	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5100e-003	6.5100e-003	2.0000e-005	0.0000	6.9400e-003
Unmitigated	1.1458	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5100e-003	6.5100e-003	2.0000e-005	0.0000	6.9400e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1215					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0240					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1000e-004	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5100e-003	6.5100e-003	2.0000e-005	0.0000	6.9400e-003
Total	1.1458	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5100e-003	6.5100e-003	2.0000e-005	0.0000	6.9400e-003

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1215					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0240					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.1000e-004	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5100e-003	6.5100e-003	2.0000e-005	0.0000	6.9400e-003
Total	1.1458	3.0000e-005	3.3500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	6.5100e-003	6.5100e-003	2.0000e-005	0.0000	6.9400e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	61.5418	0.0623	0.0380	74.4153
Unmitigated	76.9272	0.0778	0.0475	93.0191

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	60.6314 / 0	76.9272	0.0778	0.0475	93.0191
Total		76.9272	0.0778	0.0475	93.0191

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	48.5052 / 0	61.5418	0.0623	0.0380	74.4153
Total		61.5418	0.0623	0.0380	74.4153

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	65.9964	3.9003	0.0000	163.5033
Unmitigated	65.9964	3.9003	0.0000	163.5033

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	325.12	65.9964	3.9003	0.0000	163.5033
Total		65.9964	3.9003	0.0000	163.5033

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	325.12	65.9964	3.9003	0.0000	163.5033
Total		65.9964	3.9003	0.0000	163.5033

9.0 Operational Offroad

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Annual

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

Equipment Type	ROG	NOx	CO	SO2	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					
Forklifts	0.0742	0.6891	0.7537	1.0000e-003		0.0457	0.0457		0.0420	0.0420	0.0000	87.7258	87.7258	0.0284	0.0000	88.4351
Total	0.0742	0.6891	0.7537	1.0000e-003		0.0457	0.0457		0.0420	0.0420	0.0000	87.7258	87.7258	0.0284	0.0000	88.4351

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

**Florin Perkins Warehouse Expansion
Sacramento Metropolitan AQMD Air District, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	262.19	1000sqft	6.02	262,187.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	404.84	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CO2 intensity factor adjusted per SMUD's RPS projections.
- Land Use - Square footage updated per site plan.
- Construction Phase - Architectural coating phase adjusted to occur concurrently with building construction.
- Demolition -
- Operational Off-Road Equipment - number of forklifts based on forklift:warehouse square footage ratio.
- Vehicle Trips - Trip rate adjusted to be consistent with traffic report.
- Energy Mitigation - Title 24 exceedance applied to reflect compliance with 2019 CBSC.
- Water Mitigation - Water conservation strategy applied to reflect compliance with 2019 CalGreen Code and MWEL0.

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	8/22/2022	8/8/2022
tblConstructionPhase	PhaseEndDate	6/27/2022	7/25/2022
tblConstructionPhase	PhaseEndDate	7/25/2022	9/6/2021
tblConstructionPhase	PhaseStartDate	7/26/2022	9/21/2021
tblConstructionPhase	PhaseStartDate	8/10/2021	9/7/2021
tblConstructionPhase	PhaseStartDate	6/28/2022	8/10/2021
tblLandUse	LandUseSquareFeet	262,190.00	262,187.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	404.84
tblVehicleTrips	ST_TR	1.32	4.90
tblVehicleTrips	SU_TR	0.68	4.90
tblVehicleTrips	WD_TR	6.97	4.90

2.0 Emissions Summary

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Energy	0.2774	2.5219	2.1184	0.0151		0.1917	0.1917		0.1917	0.1917		3,026.2422	3,026.2422	0.0580	0.0555	3,044.2257
Mobile	2.6626	9.0060	29.0741	0.0902	7.5366	0.0723	7.6089	2.0147	0.0677	2.0824		9,130.7390	9,130.7390	0.4058		9,140.8834
Offroad	0.5708	5.3009	5.7976	7.6800e-003		0.3512	0.3512		0.3231	0.3231		743.8549	743.8549	0.2406		749.8694
Total	9.7900	16.8289	37.0168	0.1130	7.5366	0.6152	8.1519	2.0147	0.5825	2.5972		12,900.8935	12,900.8935	0.7045	0.0555	12,935.0396

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Energy	0.2231	2.0277	1.7033	0.0122		0.1541	0.1541		0.1541	0.1541		2,433.2475	2,433.2475	0.0466	0.0446	2,447.7071
Mobile	2.6626	9.0060	29.0741	0.0902	7.5366	0.0723	7.6089	2.0147	0.0677	2.0824		9,130.7390	9,130.7390	0.4058		9,140.8834
Offroad	0.5708	5.3009	5.7976	7.6800e-003		0.3512	0.3512		0.3231	0.3231		743.8549	743.8549	0.2406		749.8694
Total	9.7356	16.3348	36.6017	0.1100	7.5366	0.5777	8.1143	2.0147	0.5449	2.5596		12,307.8988	12,307.8988	0.6932	0.0446	12,338.5210

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.56	2.94	1.12	2.62	0.00	6.10	0.46	0.00	6.45	1.45	0.00	4.60	4.60	1.61	19.59	4.61

3.0 Construction Detail

Construction Phase

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2021	6/28/2021	5	20	
2	Site Preparation	Site Preparation	6/29/2021	7/12/2021	5	10	
3	Grading	Grading	7/13/2021	8/9/2021	5	20	
4	Building Construction	Building Construction	9/7/2021	7/25/2022	5	230	
5	Paving	Paving	8/10/2021	9/6/2021	5	20	
6	Architectural Coating	Architectural Coating	9/21/2021	8/8/2022	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 393,281; Non-Residential Outdoor: 131,094; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	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	3	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

Trips and VMT

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

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
Demolition	6	15.00	0.00	82.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	110.00	43.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9236	0.0000	0.9236	0.1399	0.0000	0.1399			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9236	1.5513	2.4750	0.1399	1.4411	1.5809		3,747.9449	3,747.9449	1.0549		3,774.3174

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0289	1.0463	0.2407	3.2100e-003	0.0713	3.6500e-003	0.0750	0.0195	3.5000e-003	0.0230		344.0178	344.0178	0.0194		344.5016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	0.0890	1.0771	0.6895	4.3600e-003	0.1854	4.4200e-003	0.1898	0.0498	4.2100e-003	0.0540		458.9897	458.9897	0.0224		459.5500

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9236	0.0000	0.9236	0.1399	0.0000	0.1399			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9236	1.5513	2.4750	0.1399	1.4411	1.5809	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0289	1.0463	0.2407	3.2100e-003	0.0713	3.6500e-003	0.0750	0.0195	3.5000e-003	0.0230		344.0178	344.0178	0.0194		344.5016
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	0.0890	1.0771	0.6895	4.3600e-003	0.1854	4.4200e-003	0.1898	0.0498	4.2100e-003	0.0540		458.9897	458.9897	0.0224		459.5500

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580
Total	0.0721	0.0369	0.5385	1.3900e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		137.9662	137.9662	3.6700e-003		138.0580

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895,1495

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346	0.0000	2,871.9285	2,871.9285	0.9288		2,895,1495

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1329	4.3189	1.1028	0.0106	0.2587	0.0119	0.2706	0.0745	0.0113	0.0858		1,124.3550	1,124.3550	0.0615		1,125.8913
Worker	0.4409	0.2257	3.2907	8.4700e-003	0.8368	5.6500e-003	0.8424	0.2220	5.2000e-003	0.2272		843.1269	843.1269	0.0224		843.6878
Total	0.5738	4.5446	4.3935	0.0191	1.0955	0.0175	1.1130	0.2964	0.0165	0.3130		1,967.4819	1,967.4819	0.0839		1,969.5791

Mitigated Construction On-Site

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

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1329	4.3189	1.1028	0.0106	0.2587	0.0119	0.2706	0.0745	0.0113	0.0858		1,124.3550	1,124.3550	0.0615		1,125.8913
Worker	0.4409	0.2257	3.2907	8.4700e-003	0.8368	5.6500e-003	0.8424	0.2220	5.2000e-003	0.2272		843.1269	843.1269	0.0224		843.6878
Total	0.5738	4.5446	4.3935	0.0191	1.0955	0.0175	1.1130	0.2964	0.0165	0.3130		1,967.4819	1,967.4819	0.0839		1,969.5791

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		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		2,554.3336	2,554.3336	0.6120		2,569.6322

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1233	4.1061	1.0161	0.0105	0.2587	0.0104	0.2691	0.0744	9.9200e-003	0.0844		1,114.5472	1,114.5472	0.0597		1,116.0391
Worker	0.4115	0.2030	3.0305	8.1600e-003	0.8368	5.5000e-003	0.8423	0.2220	5.0700e-003	0.2270		812.8904	812.8904	0.0202		813.3945
Total	0.5348	4.3091	4.0466	0.0187	1.0955	0.0159	1.1114	0.2964	0.0150	0.3114		1,927.4375	1,927.4375	0.0799		1,929.4336

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		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	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1233	4.1061	1.0161	0.0105	0.2587	0.0104	0.2691	0.0744	9.9200e-003	0.0844		1,114.5472	1,114.5472	0.0597		1,116.0391
Worker	0.4115	0.2030	3.0305	8.1600e-003	0.8368	5.5000e-003	0.8423	0.2220	5.0700e-003	0.2270		812.8904	812.8904	0.0202		813.3945
Total	0.5348	4.3091	4.0466	0.0187	1.0955	0.0159	1.1114	0.2964	0.0150	0.3114		1,927.4375	1,927.4375	0.0799		1,929.4336

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139		2,225.0573

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483
Total	0.0601	0.0308	0.4487	1.1500e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		114.9719	114.9719	3.0600e-003		115.0483

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	10.7862	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0882	0.0451	0.6581	1.6900e-003	0.1674	1.1300e-003	0.1685	0.0444	1.0400e-003	0.0454		168.6254	168.6254	4.4900e-003		168.7376
Total	0.0882	0.0451	0.6581	1.6900e-003	0.1674	1.1300e-003	0.1685	0.0444	1.0400e-003	0.0454		168.6254	168.6254	4.4900e-003		168.7376

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	10.7862	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0882	0.0451	0.6581	1.6900e-003	0.1674	1.1300e-003	0.1685	0.0444	1.0400e-003	0.0454		168.6254	168.6254	4.4900e-003		168.7376
Total	0.0882	0.0451	0.6581	1.6900e-003	0.1674	1.1300e-003	0.1685	0.0444	1.0400e-003	0.0454		168.6254	168.6254	4.4900e-003		168.7376

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	10.7718	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0823	0.0406	0.6061	1.6300e-003	0.1674	1.1000e-003	0.1685	0.0444	1.0100e-003	0.0454		162.5781	162.5781	4.0300e-003		162.6789
Total	0.0823	0.0406	0.6061	1.6300e-003	0.1674	1.1000e-003	0.1685	0.0444	1.0100e-003	0.0454		162.5781	162.5781	4.0300e-003		162.6789

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	10.7718	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0823	0.0406	0.6061	1.6300e-003	0.1674	1.1000e-003	0.1685	0.0444	1.0100e-003	0.0454		162.5781	162.5781	4.0300e-003		162.6789
Total	0.0823	0.0406	0.6061	1.6300e-003	0.1674	1.1000e-003	0.1685	0.0444	1.0100e-003	0.0454		162.5781	162.5781	4.0300e-003		162.6789

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, 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
Category	lb/day										lb/day					
Mitigated	2.6626	9.0060	29.0741	0.0902	7.5366	0.0723	7.6089	2.0147	0.0677	2.0824		9,130.7390	9,130.7390	0.4058		9,140.8834
Unmitigated	2.6626	9.0060	29.0741	0.0902	7.5366	0.0723	7.6089	2.0147	0.0677	2.0824		9,130.7390	9,130.7390	0.4058		9,140.8834

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,284.73	1,284.73	1284.73	3,553,244	3,553,244
Total	1,284.73	1,284.73	1,284.73	3,553,244	3,553,244

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2231	2.0277	1.7033	0.0122		0.1541	0.1541		0.1541	0.1541		2,433.2475	2,433.2475	0.0466	0.0446	2,447.7071
NaturalGas Unmitigated	0.2774	2.5219	2.1184	0.0151		0.1917	0.1917		0.1917	0.1917		3,026.2422	3,026.2422	0.0580	0.0555	3,044.2257

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	25723.1	0.2774	2.5219	2.1184	0.0151		0.1917	0.1917		0.1917	0.1917		3,026.2422	3,026.2422	0.0580	0.0555	3,044.2257
Total		0.2774	2.5219	2.1184	0.0151		0.1917	0.1917		0.1917	0.1917		3,026.2422	3,026.2422	0.0580	0.0555	3,044.2257

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	20.6826	0.2231	2.0277	1.7033	0.0122		0.1541	0.1541		0.1541	0.1541		2,433.2475	2,433.2475	0.0466	0.0446	2,447.7071
Total		0.2231	2.0277	1.7033	0.0122		0.1541	0.1541		0.1541	0.1541		2,433.2475	2,433.2475	0.0466	0.0446	2,447.7071

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Unmitigated	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6108					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4900e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Total	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6108					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4900e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Total	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612

7.0 Water Detail

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5708	5.3009	5.7976	7.6800e-003		0.3512	0.3512		0.3231	0.3231		743.8549	743.8549	0.2406		749.8694
Total	0.5708	5.3009	5.7976	7.6800e-003		0.3512	0.3512		0.3231	0.3231		743.8549	743.8549	0.2406		749.8694

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Summer

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

Florin Perkins Warehouse Expansion
Sacramento Metropolitan AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	262.19	1000sqft	6.02	262,187.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	404.84	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics - CO2 intensity factor adjusted per SMUD's RPS projections.
- Land Use - Square footage updated per site plan.
- Construction Phase - Architectural coating phase adjusted to occur concurrently with building construction.
- Demolition -
- Operational Off-Road Equipment - number of forklifts based on forklift:warehouse square footage ratio.
- Vehicle Trips - Trip rate adjusted to be consistent with traffic report.
- Energy Mitigation - Title 24 exceedance applied to reflect compliance with 2019 CBSC.
- Water Mitigation - Water conservation strategy applied to reflect compliance with 2019 CalGreen Code and MWEL0.

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	230.00
tblConstructionPhase	PhaseEndDate	8/22/2022	8/8/2022
tblConstructionPhase	PhaseEndDate	6/27/2022	7/25/2022
tblConstructionPhase	PhaseEndDate	7/25/2022	9/6/2021
tblConstructionPhase	PhaseStartDate	7/26/2022	9/21/2021
tblConstructionPhase	PhaseStartDate	8/10/2021	9/7/2021
tblConstructionPhase	PhaseStartDate	6/28/2022	8/10/2021
tblLandUse	LandUseSquareFeet	262,190.00	262,187.00
tblOperationalOffRoadEquipment	OperLoadFactor	0.20	0.20
tblOperationalOffRoadEquipment	OperOffRoadEquipmentNumber	0.00	5.00
tblProjectCharacteristics	CO2IntensityFactor	590.31	404.84
tblVehicleTrips	ST_TR	1.32	4.90
tblVehicleTrips	SU_TR	0.68	4.90
tblVehicleTrips	WD_TR	6.97	4.90

2.0 Emissions Summary

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Energy	0.2774	2.5219	2.1184	0.0151		0.1917	0.1917		0.1917	0.1917		3,026.2422	3,026.2422	0.0580	0.0555	3,044.2257
Mobile	2.0086	9.6664	26.5224	0.0814	7.5366	0.0733	7.6099	2.0147	0.0686	2.0833		8,250.3883	8,250.3883	0.4004		8,260.3991
Offroad	0.5708	5.3009	5.7976	7.6800e-003		0.3512	0.3512		0.3231	0.3231		743.8549	743.8549	0.2406		749.8694
Total	9.1360	17.4894	34.4652	0.1042	7.5366	0.6162	8.1528	2.0147	0.5834	2.5981		12,020.5428	12,020.5428	0.6992	0.0555	12,054.5553

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Energy	0.2231	2.0277	1.7033	0.0122		0.1541	0.1541		0.1541	0.1541		2,433.2475	2,433.2475	0.0466	0.0446	2,447.7071
Mobile	2.0086	9.6664	26.5224	0.0814	7.5366	0.0733	7.6099	2.0147	0.0686	2.0833		8,250.3883	8,250.3883	0.4004		8,260.3991
Offroad	0.5708	5.3009	5.7976	7.6800e-003		0.3512	0.3512		0.3231	0.3231		743.8549	743.8549	0.2406		749.8694
Total	9.0817	16.9952	34.0501	0.1012	7.5366	0.5786	8.1152	2.0147	0.5458	2.5605		11,427.5480	11,427.5480	0.6878	0.0446	11,458.0367

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.60	2.83	1.20	2.84	0.00	6.09	0.46	0.00	6.44	1.45	0.00	4.93	4.93	1.62	19.59	4.95

3.0 Construction Detail

Construction Phase

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2021	6/28/2021	5	20	
2	Site Preparation	Site Preparation	6/29/2021	7/12/2021	5	10	
3	Grading	Grading	7/13/2021	8/9/2021	5	20	
4	Building Construction	Building Construction	9/7/2021	7/25/2022	5	230	
5	Paving	Paving	8/10/2021	9/6/2021	5	20	
6	Architectural Coating	Architectural Coating	9/21/2021	8/8/2022	5	230	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 393,281; Non-Residential Outdoor: 131,094; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	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	3	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

Trips and VMT

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

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
Demolition	6	15.00	0.00	82.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	110.00	43.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	22.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9236	0.0000	0.9236	0.1399	0.0000	0.1399			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411		3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9236	1.5513	2.4750	0.1399	1.4411	1.5809		3,747.9449	3,747.9449	1.0549		3,774.3174

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.2 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0297	1.0867	0.2573	3.1600e-003	0.0713	3.7800e-003	0.0751	0.0195	3.6200e-003	0.0231		338.6865	338.6865	0.0202		339.1922
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	0.0851	1.1247	0.6401	4.1700e-003	0.1854	4.5500e-003	0.1900	0.0498	4.3300e-003	0.0541		439.6611	439.6611	0.0229		440.2342

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9236	0.0000	0.9236	0.1399	0.0000	0.1399			0.0000			0.0000
Off-Road	3.1651	31.4407	21.5650	0.0388		1.5513	1.5513		1.4411	1.4411	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174
Total	3.1651	31.4407	21.5650	0.0388	0.9236	1.5513	2.4750	0.1399	1.4411	1.5809	0.0000	3,747.9449	3,747.9449	1.0549		3,774.3174

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.2 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0297	1.0867	0.2573	3.1600e-003	0.0713	3.7800e-003	0.0751	0.0195	3.6200e-003	0.0231		338.6865	338.6865	0.0202		339.1922
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	0.0851	1.1247	0.6401	4.1700e-003	0.1854	4.5500e-003	0.1900	0.0498	4.3300e-003	0.0541		439.6611	439.6611	0.0229		440.2342

3.3 Site Preparation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809		3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116		3,685.6569	3,685.6569	1.1920		3,715.4573

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.3 Site Preparation - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.8882	40.4971	21.1543	0.0380		2.0445	2.0445		1.8809	1.8809	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573
Total	3.8882	40.4971	21.1543	0.0380	18.0663	2.0445	20.1107	9.9307	1.8809	11.8116	0.0000	3,685.6569	3,685.6569	1.1920		3,715.4573

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.3 Site Preparation - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503
Total	0.0664	0.0456	0.4593	1.2200e-003	0.1369	9.2000e-004	0.1379	0.0363	8.5000e-004	0.0372		121.1696	121.1696	3.2300e-003		121.2503

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671		2,871.9285	2,871.9285	0.9288		2,895,1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346		2,871.9285	2,871.9285	0.9288		2,895,1495

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.2903	24.7367	15.8575	0.0296		1.1599	1.1599		1.0671	1.0671	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495
Total	2.2903	24.7367	15.8575	0.0296	6.5523	1.1599	7.7123	3.3675	1.0671	4.4346	0.0000	2,871.9285	2,871.9285	0.9288		2,895.1495

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419

3.5 Building Construction - 2021

Unmitigated Construction On-Site

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

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1408	4.3900	1.2791	0.0103	0.2587	0.0126	0.2713	0.0745	0.0120	0.0865		1,095.4339	1,095.4339	0.0666		1,097.0976
Worker	0.4060	0.2787	2.8068	7.4400e-003	0.8368	5.6500e-003	0.8424	0.2220	5.2000e-003	0.2272		740.4807	740.4807	0.0197		740.9740
Total	0.5468	4.6687	4.0859	0.0178	1.0955	0.0182	1.1137	0.2964	0.0172	0.3137		1,835.9146	1,835.9146	0.0863		1,838.0716

Mitigated Construction On-Site

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

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1408	4.3900	1.2791	0.0103	0.2587	0.0126	0.2713	0.0745	0.0120	0.0865		1,095.4339	1,095.4339	0.0666		1,097.0976
Worker	0.4060	0.2787	2.8068	7.4400e-003	0.8368	5.6500e-003	0.8424	0.2220	5.2000e-003	0.2272		740.4807	740.4807	0.0197		740.9740
Total	0.5468	4.6687	4.0859	0.0178	1.0955	0.0182	1.1137	0.2964	0.0172	0.3137		1,835.9146	1,835.9146	0.0863		1,838.0716

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		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		2,554.3336	2,554.3336	0.6120		2,569.6322

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1306	4.1663	1.1796	0.0102	0.2587	0.0111	0.2698	0.0744	0.0106	0.0850		1,085.7005	1,085.7005	0.0647		1,087.3170
Worker	0.3797	0.2506	2.5738	7.1700e-003	0.8368	5.5000e-003	0.8423	0.2220	5.0700e-003	0.2270		713.9677	713.9677	0.0177		714.4102
Total	0.5103	4.4169	3.7535	0.0174	1.0955	0.0166	1.1120	0.2964	0.0156	0.3121		1,799.6682	1,799.6682	0.0824		1,801.7272

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		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	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.1306	4.1663	1.1796	0.0102	0.2587	0.0111	0.2698	0.0744	0.0106	0.0850		1,085.7005	1,085.7005	0.0647			1,087.3170
Worker	0.3797	0.2506	2.5738	7.1700e-003	0.8368	5.5000e-003	0.8423	0.2220	5.0700e-003	0.2270		713.9677	713.9677	0.0177			714.4102
Total	0.5103	4.4169	3.7535	0.0174	1.0955	0.0166	1.1120	0.2964	0.0156	0.3121		1,799.6682	1,799.6682	0.0824			1,801.7272

3.6 Paving - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139			2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235		2,207.2109	2,207.2109	0.7139			2,225.0573

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2556	12.9191	14.6532	0.0228		0.6777	0.6777		0.6235	0.6235	0.0000	2,207.2109	2,207.2109	0.7139		2,225.0573

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419
Total	0.0554	0.0380	0.3827	1.0100e-003	0.1141	7.7000e-004	0.1149	0.0303	7.1000e-004	0.0310		100.9746	100.9746	2.6900e-003		101.0419

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	10.7862	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0812	0.0558	0.5614	1.4900e-003	0.1674	1.1300e-003	0.1685	0.0444	1.0400e-003	0.0454		148.0961	148.0961	3.9500e-003		148.1948
Total	0.0812	0.0558	0.5614	1.4900e-003	0.1674	1.1300e-003	0.1685	0.0444	1.0400e-003	0.0454		148.0961	148.0961	3.9500e-003		148.1948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	10.7862	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.7 Architectural Coating - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0812	0.0558	0.5614	1.4900e-003	0.1674	1.1300e-003	0.1685	0.0444	1.0400e-003	0.0454		148.0961	148.0961	3.9500e-003		148.1948
Total	0.0812	0.0558	0.5614	1.4900e-003	0.1674	1.1300e-003	0.1685	0.0444	1.0400e-003	0.0454		148.0961	148.0961	3.9500e-003		148.1948

3.7 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	10.7718	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.7 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0501	0.5148	1.4300e-003	0.1674	1.1000e-003	0.1685	0.0444	1.0100e-003	0.0454		142.7935	142.7935	3.5400e-003		142.8820
Total	0.0759	0.0501	0.5148	1.4300e-003	0.1674	1.1000e-003	0.1685	0.0444	1.0100e-003	0.0454		142.7935	142.7935	3.5400e-003		142.8820

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.5673					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	10.7718	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

3.7 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0759	0.0501	0.5148	1.4300e-003	0.1674	1.1000e-003	0.1685	0.0444	1.0100e-003	0.0454		142.7935	142.7935	3.5400e-003		142.8820
Total	0.0759	0.0501	0.5148	1.4300e-003	0.1674	1.1000e-003	0.1685	0.0444	1.0100e-003	0.0454		142.7935	142.7935	3.5400e-003		142.8820

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, 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
Category	lb/day										lb/day					
Mitigated	2.0086	9.6664	26.5224	0.0814	7.5366	0.0733	7.6099	2.0147	0.0686	2.0833		8,250.388 3	8,250.388 3	0.4004		8,260.399 1
Unmitigated	2.0086	9.6664	26.5224	0.0814	7.5366	0.0733	7.6099	2.0147	0.0686	2.0833		8,250.388 3	8,250.388 3	0.4004		8,260.399 1

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	1,284.73	1,284.73	1284.73	3,553,244	3,553,244
Total	1,284.73	1,284.73	1,284.73	3,553,244	3,553,244

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	10.00	5.00	6.50	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

5.1 Mitigation Measures Energy

Exceed Title 24

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.2231	2.0277	1.7033	0.0122		0.1541	0.1541		0.1541	0.1541		2,433.2475	2,433.2475	0.0466	0.0446	2,447.7071
NaturalGas Unmitigated	0.2774	2.5219	2.1184	0.0151		0.1917	0.1917		0.1917	0.1917		3,026.2422	3,026.2422	0.0580	0.0555	3,044.2257

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	25723.1	0.2774	2.5219	2.1184	0.0151		0.1917	0.1917		0.1917	0.1917		3,026.2422	3,026.2422	0.0580	0.0555	3,044.2257
Total		0.2774	2.5219	2.1184	0.0151		0.1917	0.1917		0.1917	0.1917		3,026.2422	3,026.2422	0.0580	0.0555	3,044.2257

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Light Industry	20.6826	0.2231	2.0277	1.7033	0.0122		0.1541	0.1541		0.1541	0.1541		2,433.2475	2,433.2475	0.0466	0.0446	2,447.7071
Total		0.2231	2.0277	1.7033	0.0122		0.1541	0.1541		0.1541	0.1541		2,433.2475	2,433.2475	0.0466	0.0446	2,447.7071

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Unmitigated	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6108					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4900e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Total	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.6659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6108					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.4900e-003	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612
Total	6.2792	2.4000e-004	0.0268	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004		0.0574	0.0574	1.5000e-004		0.0612

7.0 Water Detail

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
Forklifts	5	8.00	260	89	0.20	Diesel

UnMitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	lb/day										lb/day					
Forklifts	0.5708	5.3009	5.7976	7.6800e-003		0.3512	0.3512		0.3231	0.3231		743.8549	743.8549	0.2406		749.8694
Total	0.5708	5.3009	5.7976	7.6800e-003		0.3512	0.3512		0.3231	0.3231		743.8549	743.8549	0.2406		749.8694

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Florin Perkins Warehouse Expansion - Sacramento Metropolitan AQMD Air District, Winter

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Florin Perkins Warehouse Expansion
Sacramento Metropolitan AQMD Air District, Mitigation Report

Construction Mitigation Summary

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

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	4	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	10	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	2.40500E-002	1.66350E-001	2.08710E-001	3.40000E-004	9.86000E-003	9.86000E-003	0.00000E+000	2.93624E+001	2.93624E+001	1.94000E-003	0.00000E+000	2.94110E+001
Concrete/Industrial Saws	3.85000E-003	3.03800E-002	3.67400E-002	6.00000E-005	1.73000E-003	1.73000E-003	0.00000E+000	5.37656E+000	5.37656E+000	3.10000E-004	0.00000E+000	5.38437E+000
Cranes	3.90000E-002	4.45480E-001	1.93740E-001	5.80000E-004	1.83300E-002	1.68700E-002	0.00000E+000	5.10100E+001	5.10100E+001	1.65000E-002	0.00000E+000	5.14225E+001
Excavators	9.17000E-003	8.61400E-002	1.30870E-001	2.10000E-004	4.18000E-003	3.84000E-003	0.00000E+000	1.81507E+001	1.81507E+001	5.87000E-003	0.00000E+000	1.82974E+001
Forklifts	4.11700E-002	3.79590E-001	3.99820E-001	5.30000E-004	2.58500E-002	2.37800E-002	0.00000E+000	4.63305E+001	4.63305E+001	1.49800E-002	0.00000E+000	4.67051E+001
Generator Sets	3.91000E-002	3.46740E-001	4.23100E-001	7.60000E-004	1.77700E-002	1.77700E-002	0.00000E+000	6.49989E+001	6.49989E+001	3.17000E-003	0.00000E+000	6.50782E+001
Graders	4.53000E-003	5.92500E-002	1.76700E-002	7.00000E-005	1.88000E-003	1.73000E-003	0.00000E+000	5.82126E+000	5.82126E+000	1.88000E-003	0.00000E+000	5.86833E+000
Pavers	4.92000E-003	5.19000E-002	5.81000E-002	9.00000E-005	2.51000E-003	2.31000E-003	0.00000E+000	8.25649E+000	8.25649E+000	2.67000E-003	0.00000E+000	8.32324E+000
Paving Equipment	3.84000E-003	3.88100E-002	5.08300E-002	8.00000E-005	1.92000E-003	1.76000E-003	0.00000E+000	7.15688E+000	7.15688E+000	2.31000E-003	0.00000E+000	7.21475E+000
Rollers	3.79000E-003	3.84800E-002	3.76100E-002	5.00000E-005	2.35000E-003	2.16000E-003	0.00000E+000	4.61011E+000	4.61011E+000	1.49000E-003	0.00000E+000	4.64739E+000
Rubber Tired Dozers	4.70900E-002	4.93710E-001	1.81700E-001	3.80000E-004	2.39600E-002	2.20400E-002	0.00000E+000	3.37753E+001	3.37753E+001	1.09200E-002	0.00000E+000	3.40484E+001
Tractors/Loaders/Backhoes	6.15700E-002	6.24900E-001	7.91050E-001	1.09000E-003	3.51800E-002	3.23700E-002	0.00000E+000	9.61109E+001	9.61109E+001	3.10800E-002	0.00000E+000	9.68880E+001
Welders	3.29100E-002	1.70170E-001	1.95990E-001	2.90000E-004	7.78000E-003	7.78000E-003	0.00000E+000	2.16454E+001	2.16454E+001	2.67000E-003	0.00000E+000	2.17122E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	Mitigated tons/yr						Mitigated mt/yr					
Air Compressors	2.40500E-002	1.66350E-001	2.08710E-001	3.40000E-004	9.86000E-003	9.86000E-003	0.00000E+000	2.93624E+001	2.93624E+001	1.94000E-003	0.00000E+000	2.94110E+001
Concrete/Industrial Saws	3.85000E-003	3.03800E-002	3.67400E-002	6.00000E-005	1.73000E-003	1.73000E-003	0.00000E+000	5.37656E+000	5.37656E+000	3.10000E-004	0.00000E+000	5.38436E+000
Cranes	3.90000E-002	4.45480E-001	1.93740E-001	5.80000E-004	1.83300E-002	1.68700E-002	0.00000E+000	5.10100E+001	5.10100E+001	1.65000E-002	0.00000E+000	5.14224E+001
Excavators	9.17000E-003	8.61400E-002	1.30870E-001	2.10000E-004	4.18000E-003	3.84000E-003	0.00000E+000	1.81506E+001	1.81506E+001	5.87000E-003	0.00000E+000	1.82974E+001
Forklifts	4.11700E-002	3.79590E-001	3.99820E-001	5.30000E-004	2.58500E-002	2.37800E-002	0.00000E+000	4.63305E+001	4.63305E+001	1.49800E-002	0.00000E+000	4.67051E+001
Generator Sets	3.91000E-002	3.46740E-001	4.23100E-001	7.60000E-004	1.77700E-002	1.77700E-002	0.00000E+000	6.49988E+001	6.49988E+001	3.17000E-003	0.00000E+000	6.50781E+001
Graders	4.53000E-003	5.92500E-002	1.76700E-002	7.00000E-005	1.88000E-003	1.73000E-003	0.00000E+000	5.82125E+000	5.82125E+000	1.88000E-003	0.00000E+000	5.86832E+000
Pavers	4.92000E-003	5.19000E-002	5.81000E-002	9.00000E-005	2.51000E-003	2.31000E-003	0.00000E+000	8.25648E+000	8.25648E+000	2.67000E-003	0.00000E+000	8.32323E+000
Paving Equipment	3.84000E-003	3.88100E-002	5.08300E-002	8.00000E-005	1.92000E-003	1.76000E-003	0.00000E+000	7.15688E+000	7.15688E+000	2.31000E-003	0.00000E+000	7.21474E+000
Rollers	3.79000E-003	3.84800E-002	3.76100E-002	5.00000E-005	2.35000E-003	2.16000E-003	0.00000E+000	4.61011E+000	4.61011E+000	1.49000E-003	0.00000E+000	4.64738E+000
Rubber Tired Dozers	4.70900E-002	4.93710E-001	1.81700E-001	3.80000E-004	2.39600E-002	2.20400E-002	0.00000E+000	3.37752E+001	3.37752E+001	1.09200E-002	0.00000E+000	3.40483E+001
Tractors/Loaders/Balckhoes	6.15700E-002	6.24900E-001	7.91050E-001	1.09000E-003	3.51800E-002	3.23700E-002	0.00000E+000	9.61108E+001	9.61108E+001	3.10800E-002	0.00000E+000	9.68879E+001
Welders	3.29100E-002	1.70170E-001	1.95990E-001	2.90000E-004	7.78000E-003	7.78000E-003	0.00000E+000	2.16454E+001	2.16454E+001	2.67000E-003	0.00000E+000	2.17122E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.36229E-006	1.36229E-006	0.00000E+000	0.00000E+000	1.02003E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.85723E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17624E-006	1.17624E-006	0.00000E+000	0.00000E+000	1.16680E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.10189E-006	1.10189E-006	0.00000E+000	0.00000E+000	1.09305E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.07920E-006	1.07920E-006	0.00000E+000	0.00000E+000	1.28466E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.23079E-006	1.23079E-006	0.00000E+000	0.00000E+000	1.22929E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.71784E-006	1.71784E-006	0.00000E+000	0.00000E+000	1.70406E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21117E-006	1.21117E-006	0.00000E+000	0.00000E+000	1.20146E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.38605E-006
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.15175E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18430E-006	1.18430E-006	0.00000E+000	0.00000E+000	1.17480E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24856E-006	1.24856E-006	0.00000E+000	0.00000E+000	1.13533E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.23985E-007	9.23985E-007	0.00000E+000	0.00000E+000	1.38171E-006

Fugitive Dust Mitigation

Yes/No Mitigation Measure Mitigation Input Mitigation Input Mitigation Input

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

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

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.02	0.00	0.02	0.00	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.12	0.03	0.12	0.03	0.00	0.00
Demolition	Fugitive Dust	0.01	0.00	0.01	0.00	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.07	0.03	0.07	0.03	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.09	0.05	0.09	0.05	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.74	6.74	6.72	6.74	6.74
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas	19.59	19.59	19.59	19.57	19.61	19.61	0.00	19.60	19.60	19.58	19.59	19.60
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	20.00	20.00	20.00	20.00	19.99	20.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting:

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00			
No	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
No	Land Use	Increase Transit Accessibility	0.25			
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.00			

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

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

Area Mitigation

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

Energy Mitigation Measures

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

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

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

Solid Waste Mitigation

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