Appendix B

Air Quality Model Outputs

Table of Contents

1 Construction (Phase 1) – Annual Emissions
2 Construction (Phase 1) – Summer Emissions
3 Construction (Phase 1) – Winter Emissions
4 Construction (Phase 2) – Annual Emissions
5 Construction (Phase 2) – Summer Emissions
6 Construction (Phase 2) – Winter Emissions
7 Construction (Phase 3) – Annual Emissions
8 Construction (Phase 3) – Summer Emissions
9 Construction (Phase 3) – Winter Emissions
10 Construction (Phase 4) – Annual Emissions
11 Construction (Phase 4) – Summer Emissions
12 Construction (Phase 4) – Winter Emissions
13 Construction (Phase 5) – Annual Emissions
14 Construction (Phase 5) – Summer Emissions
15 Construction (Phase 5) – Winter Emissions
16 Construction (Phase 6) – Annual Emissions
17 Construction (Phase 6) – Summer Emissions
18 Construction (Phase 6) – Winter Emissions
19 Operations – Annual Emissions
20 Operations – Summer Emissions
21 Operations – Winter Emissions

INTENTIONALLY LEFT BLANK

Construction (Phase 1)

Annual Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Valley's Edge Specific Plan Project - Construction (Phase 1)

Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	54.00	1000sqft	0.00	54,000.00	0
Other Asphalt Surfaces	11.15	Acre	11.15	485,694.00	0
Health Club	8.64	1000sqft	0.00	8,640.00	0
Apartments Low Rise	170.00	Dwelling Unit	0.00	270,338.00	486
Single Family Housing	36.00	Dwelling Unit	0.00	126,748.00	103
Single Family Housing	390.00	Dwelling Unit	54.62	855,000.00	1115
Free-Standing Discount store	1.80	1000sqft	0.00	1,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 1: VLDR: 36 du, LDR: 150 du, MDR: 50 du, Senior LDR: 240 du, Senior MDR: 120 du, Office: 54 ksf, Retail: 1.8 ksf, Clubhouses: 8.64 ksf, Paving: 11.15 acres, 54.62 Acre site

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Construction Phase - Construction would occur between 4/1/2022 to 10/30/2027.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated acres disturbed.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water two times daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	75.00	120.00
tblConstructionPhase	NumDays	1,110.00	656.00
tblConstructionPhase	NumDays	110.00	120.00
tblConstructionPhase	NumDays	75.00	120.00
tblConstructionPhase	NumDays	40.00	6.00
tblConstructionPhase	PhaseEndDate	8/26/2027	4/22/2027
tblConstructionPhase	PhaseEndDate	1/28/2027	5/21/2026
tblConstructionPhase	PhaseEndDate	10/27/2022	11/15/2023
tblConstructionPhase	PhaseEndDate	5/13/2027	11/5/2026

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

tblConstructionPhase	PhaseEndDate	5/26/2022	4/8/2022
tblConstructionPhase	PhaseStartDate	5/14/2027	11/6/2026
tblConstructionPhase	PhaseStartDate	10/28/2022	11/16/2023
tblConstructionPhase	PhaseStartDate	5/27/2022	6/1/2023
tblConstructionPhase	PhaseStartDate	1/29/2027	5/22/2026
tblGrading	AcresOfGrading	420.00	54.62
tblGrading	AcresOfGrading	3.00	54.62
tblLandUse	LandUseSquareFeet	170,000.00	270,338.00
tblLandUse	LandUseSquareFeet	64,800.00	126,748.00
tblLandUse	LandUseSquareFeet	702,000.00	855,000.00
tblLandUse	LotAcreage	1.24	0.00
tblLandUse	LotAcreage	0.20	0.00
tblLandUse	LotAcreage	10.63	0.00
tblLandUse	LotAcreage	11.69	0.00
tblLandUse	LotAcreage	126.62	54.62
tblLandUse	LotAcreage	0.04	0.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1089	0.9097	1.1033	2.4600e-003	0.0533	0.0409	0.0941	0.0147	0.0376	0.0523	0.0000	216.3910	216.3910	0.0685	2.2000e-004	218.1682
2023	0.3335	2.9905	2.7665	6.8900e-003	0.4628	0.1202	0.5830	0.2214	0.1106	0.3320	0.0000	610.8425	610.8425	0.1707	8.0100e-003	617.4969
2024	0.3278	1.7737	2.9296	8.5100e-003	0.5185	0.0455	0.5640	0.1406	0.0421	0.1826	0.0000	789.2814	789.2814	0.0564	0.0613	808.9673
2025	0.3040	1.6830	2.7897	8.3000e-003	0.5165	0.0391	0.5556	0.1400	0.0361	0.1762	0.0000	769.1335	769.1335	0.0547	0.0593	788.1649
2026	1.5738	1.1192	1.8461	4.4300e-003	0.2169	0.0373	0.2542	0.0587	0.0345	0.0932	0.0000	404.7341	404.7341	0.0518	0.0227	412.8036
2027	2.7991	0.0675	0.1756	3.6000e-004	0.0251	2.8700e-003	0.0280	6.6900e-003	2.8600e-003	9.5500e-003	0.0000	32.2025	32.2025	1.4300e-003	6.1000e-004	32.4201
Maximum	**2.7991**	**2.9905**	**2.9296**	**8.5100e-003**	**0.5185**	**0.1202**	**0.5830**	**0.2214**	**0.1106**	**0.3320**	**0.0000**	**789.2814**	**789.2814**	**0.1707**	**0.0613**	**808.9673**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.1089	0.9097	1.1033	2.4600e-003	0.0274	0.0409	0.0683	7.5300e-003	0.0376	0.0452	0.0000	216.3907	216.3907	0.0685	2.2000e-004	218.1680
2023	0.3335	2.9905	2.7665	6.8900e-003	0.2482	0.1202	0.3683	0.1104	0.1106	0.2210	0.0000	610.8418	610.8418	0.1707	8.0100e-003	617.4963
2024	0.3278	1.7737	2.9296	8.5100e-003	0.5185	0.0455	0.5640	0.1406	0.0421	0.1826	0.0000	789.2813	789.2813	0.0564	0.0613	808.9672
2025	0.3040	1.6830	2.7897	8.3000e-003	0.5165	0.0391	0.5556	0.1400	0.0361	0.1762	0.0000	769.1333	769.1333	0.0547	0.0593	788.1647
2026	1.5738	1.1192	1.8461	4.4300e-003	0.2169	0.0373	0.2542	0.0587	0.0345	0.0932	0.0000	404.7339	404.7339	0.0518	0.0227	412.8034
2027	2.7991	0.0675	0.1756	3.6000e-004	0.0251	2.8700e-003	0.0280	6.6900e-003	2.8600e-003	9.5500e-003	0.0000	32.2025	32.2025	1.4300e-003	6.1000e-004	32.4201
Maximum	**2.7991**	**2.9905**	**2.9296**	**8.5100e-003**	**0.5185**	**0.1202**	**0.5640**	**0.1406**	**0.1106**	**0.2210**	**0.0000**	**789.2813**	**789.2813**	**0.1707**	**0.0613**	**808.9672**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**13.41**	**0.00**	**11.57**	**20.30**	**0.00**	**13.97**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/8/2022	5	6	
2	Grading	Grading	6/1/2023	11/15/2023	5	120	
3	Building Construction	Building Construction	11/16/2023	5/21/2026	5	656	
4	Paving	Paving	5/22/2026	11/5/2026	5	120	
5	Architectural Coating	Architectural Coating	11/6/2026	4/22/2027	5	120	
6	Trenching	Trenching	4/9/2022	5/31/2023	5	298	

Acres of Grading (Site Preparation Phase): 54.62

Acres of Grading (Grading Phase): 54.62

Acres of Paving: 11.15

Residential Indoor: 2,535,474; Residential Outdoor: 845,158; Non-Residential Indoor: 96,660; Non-Residential Outdoor: 32,220; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	118.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	588.00	154.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					0.0470	0.0000	0.0470	0.0131	0.0000	0.0131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-003	0.0384	0.0208	7.0000e-005		1.6900e-003	1.6900e-003		1.5500e-003	1.5500e-003	0.0000	5.7317	5.7317	1.8500e-003	0.0000	5.7780
Total	**4.1000e-003**	**0.0384**	**0.0208**	**7.0000e-005**	**0.0470**	**1.6900e-003**	**0.0487**	**0.0131**	**1.5500e-003**	**0.0146**	**0.0000**	**5.7317**	**5.7317**	**1.8500e-003**	**0.0000**	**5.7780**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-004	7.0000e-005	7.4000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1389	0.1389	1.0000e-005	1.0000e-005	0.1407
Total	**1.0000e-004**	**7.0000e-005**	**7.4000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1389**	**0.1389**	**1.0000e-005**	**1.0000e-005**	**0.1407**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0212	0.0000	0.0212	5.8800e-003	0.0000	5.8800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.1000e-003	0.0384	0.0208	7.0000e-005		1.6900e-003	1.6900e-003		1.5500e-003	1.5500e-003	0.0000	5.7316	5.7316	1.8500e-003	0.0000	5.7780
Total	**4.1000e-003**	**0.0384**	**0.0208**	**7.0000e-005**	**0.0212**	**1.6900e-003**	**0.0229**	**5.8800e-003**	**1.5500e-003**	**7.4300e-003**	**0.0000**	**5.7316**	**5.7316**	**1.8500e-003**	**0.0000**	**5.7780**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-004	7.0000e-005	7.4000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.1389	0.1389	1.0000e-005	1.0000e-005	0.1407
Total	**1.0000e-004**	**7.0000e-005**	**7.4000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.1389**	**0.1389**	**1.0000e-005**	**1.0000e-005**	**0.1407**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3903	0.0000	0.3903	0.2017	0.0000	0.2017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2312	2.3181	1.7571	4.4200e-003		0.0946	0.0946		0.0870	0.0870	0.0000	387.9210	387.9210	0.1255	0.0000	391.0575
Total	**0.2312**	**2.3181**	**1.7571**	**4.4200e-003**	**0.3903**	**0.0946**	**0.4849**	**0.2017**	**0.0870**	**0.2888**	**0.0000**	**387.9210**	**387.9210**	**0.1255**	**0.0000**	**391.0575**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.4500e-003	2.2700e-003	0.0244	5.0000e-005	5.7500e-003	4.0000e-005	5.7800e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.8443	4.8443	2.3000e-004	1.8000e-004	4.9050
Total	**3.4500e-003**	**2.2700e-003**	**0.0244**	**5.0000e-005**	**5.7500e-003**	**4.0000e-005**	**5.7800e-003**	**1.5300e-003**	**3.0000e-005**	**1.5600e-003**	**0.0000**	**4.8443**	**4.8443**	**2.3000e-004**	**1.8000e-004**	**4.9050**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1756	0.0000	0.1756	0.0908	0.0000	0.0908	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2312	2.3181	1.7571	4.4200e-003		0.0946	0.0946		0.0870	0.0870	0.0000	387.9205	387.9205	0.1255	0.0000	391.0571
Total	**0.2312**	**2.3181**	**1.7571**	**4.4200e-003**	**0.1756**	**0.0946**	**0.2702**	**0.0908**	**0.0870**	**0.1778**	**0.0000**	**387.9205**	**387.9205**	**0.1255**	**0.0000**	**391.0571**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.4500e-003	2.2700e-003	0.0244	5.0000e-005	5.7500e-003	4.0000e-005	5.7800e-003	1.5300e-003	3.0000e-005	1.5600e-003	0.0000	4.8443	4.8443	2.3000e-004	1.8000e-004	4.9050
Total	**3.4500e-003**	**2.2700e-003**	**0.0244**	**5.0000e-005**	**5.7500e-003**	**4.0000e-005**	**5.7800e-003**	**1.5300e-003**	**3.0000e-005**	**1.5600e-003**	**0.0000**	**4.8443**	**4.8443**	**2.3000e-004**	**1.8000e-004**	**4.9050**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.7700e-003	0.0952	0.1264	1.7000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	15.2007	15.2007	4.9200e-003	0.0000	15.3236
Total	**9.7700e-003**	**0.0952**	**0.1264**	**1.7000e-004**		**5.2700e-003**	**5.2700e-003**		**4.8500e-003**	**4.8500e-003**	**0.0000**	**15.2007**	**15.2007**	**4.9200e-003**	**0.0000**	**15.3236**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.2300e-003	0.1118	0.0367	4.3000e-004	0.0133	6.9000e-004	0.0140	3.8400e-003	6.6000e-004	4.5000e-003	0.0000	41.0249	41.0249	1.6000e-004	6.1100e-003	42.8504
Worker	0.0300	0.0197	0.2128	4.6000e-004	0.0501	3.2000e-004	0.0504	0.0133	3.0000e-004	0.0136	0.0000	42.1994	42.1994	2.0100e-003	1.6100e-003	42.7279
Total	**0.0333**	**0.1315**	**0.2495**	**8.9000e-004**	**0.0633**	**1.0100e-003**	**0.0643**	**0.0172**	**9.6000e-004**	**0.0181**	**0.0000**	**83.2243**	**83.2243**	**2.1700e-003**	**7.7200e-003**	**85.5783**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.7700e-003	0.0952	0.1264	1.7000e-004		5.2700e-003	5.2700e-003		4.8500e-003	4.8500e-003	0.0000	15.2007	15.2007	4.9200e-003	0.0000	15.3236
Total	**9.7700e-003**	**0.0952**	**0.1264**	**1.7000e-004**		**5.2700e-003**	**5.2700e-003**		**4.8500e-003**	**4.8500e-003**	**0.0000**	**15.2007**	**15.2007**	**4.9200e-003**	**0.0000**	**15.3236**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.2300e-003	0.1118	0.0367	4.3000e-004	0.0133	6.9000e-004	0.0140	3.8400e-003	6.6000e-004	4.5000e-003	0.0000	41.0249	41.0249	1.6000e-004	6.1100e-003	42.8504
Worker	0.0300	0.0197	0.2128	4.6000e-004	0.0501	3.2000e-004	0.0504	0.0133	3.0000e-004	0.0136	0.0000	42.1994	42.1994	2.0100e-003	1.6100e-003	42.7279
Total	**0.0333**	**0.1315**	**0.2495**	**8.9000e-004**	**0.0633**	**1.0100e-003**	**0.0643**	**0.0172**	**9.6000e-004**	**0.0181**	**0.0000**	**83.2243**	**83.2243**	**2.1700e-003**	**7.7200e-003**	**85.5783**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0747	0.7267	1.0335	1.4200e-003		0.0375	0.0375		0.0345	0.0345	0.0000	124.5011	124.5011	0.0403	0.0000	125.5078
Total	**0.0747**	**0.7267**	**1.0335**	**1.4200e-003**		**0.0375**	**0.0375**		**0.0345**	**0.0345**	**0.0000**	**124.5011**	**124.5011**	**0.0403**	**0.0000**	**125.5078**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0255	0.9034	0.2927	3.4500e-003	0.1086	5.5800e-003	0.1142	0.0315	5.3400e-003	0.0368	0.0000	330.4689	330.4689	1.2200e-003	0.0492	345.1524
Worker	0.2275	0.1436	1.6034	3.6500e-003	0.4099	2.4600e-003	0.4123	0.1091	2.2700e-003	0.1114	0.0000	334.3114	334.3114	0.0149	0.0122	338.3071
Total	**0.2530**	**1.0470**	**1.8962**	**7.1000e-003**	**0.5185**	**8.0400e-003**	**0.5265**	**0.1406**	**7.6100e-003**	**0.1482**	**0.0000**	**664.7803**	**664.7803**	**0.0161**	**0.0613**	**683.4595**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0747	0.7267	1.0335	1.4200e-003		0.0375	0.0375		0.0345	0.0345	0.0000	124.5010	124.5010	0.0403	0.0000	125.5076
Total	**0.0747**	**0.7267**	**1.0335**	**1.4200e-003**		**0.0375**	**0.0375**		**0.0345**	**0.0345**	**0.0000**	**124.5010**	**124.5010**	**0.0403**	**0.0000**	**125.5076**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0255	0.9034	0.2927	3.4500e-003	0.1086	5.5800e-003	0.1142	0.0315	5.3400e-003	0.0368	0.0000	330.4689	330.4689	1.2200e-003	0.0492	345.1524
Worker	0.2275	0.1436	1.6034	3.6500e-003	0.4099	2.4600e-003	0.4123	0.1091	2.2700e-003	0.1114	0.0000	334.3114	334.3114	0.0149	0.0122	338.3071
Total	**0.2530**	**1.0470**	**1.8962**	**7.1000e-003**	**0.5185**	**8.0400e-003**	**0.5265**	**0.1406**	**7.6100e-003**	**0.1482**	**0.0000**	**664.7803**	**664.7803**	**0.0161**	**0.0613**	**683.4595**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0685	0.6689	1.0258	1.4100e-003		0.0313	0.0313		0.0288	0.0288	0.0000	124.0944	124.0944	0.0401	0.0000	125.0978
Total	**0.0685**	**0.6689**	**1.0258**	**1.4100e-003**		**0.0313**	**0.0313**		**0.0288**	**0.0288**	**0.0000**	**124.0944**	**124.0944**	**0.0401**	**0.0000**	**125.0978**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0246	0.8860	0.2853	3.3800e-003	0.1082	5.4600e-003	0.1137	0.0313	5.2300e-003	0.0366	0.0000	323.1747	323.1747	1.1700e-003	0.0480	337.5094
Worker	0.2109	0.1280	1.4786	3.5100e-003	0.4083	2.3200e-003	0.4106	0.1087	2.1400e-003	0.1108	0.0000	321.8644	321.8644	0.0134	0.0113	325.5577
Total	**0.2355**	**1.0140**	**1.7639**	**6.8900e-003**	**0.5165**	**7.7800e-003**	**0.5243**	**0.1400**	**7.3700e-003**	**0.1474**	**0.0000**	**645.0391**	**645.0391**	**0.0146**	**0.0593**	**663.0671**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0685	0.6689	1.0258	1.4100e-003		0.0313	0.0313		0.0288	0.0288	0.0000	124.0942	124.0942	0.0401	0.0000	125.0976
Total	**0.0685**	**0.6689**	**1.0258**	**1.4100e-003**		**0.0313**	**0.0313**		**0.0288**	**0.0288**	**0.0000**	**124.0942**	**124.0942**	**0.0401**	**0.0000**	**125.0976**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0246	0.8860	0.2853	3.3800e-003	0.1082	5.4600e-003	0.1137	0.0313	5.2300e-003	0.0366	0.0000	323.1747	323.1747	1.1700e-003	0.0480	337.5094
Worker	0.2109	0.1280	1.4786	3.5100e-003	0.4083	2.3200e-003	0.4106	0.1087	2.1400e-003	0.1108	0.0000	321.8644	321.8644	0.0134	0.0113	325.5577
Total	**0.2355**	**1.0140**	**1.7639**	**6.8900e-003**	**0.5165**	**7.7800e-003**	**0.5243**	**0.1400**	**7.3700e-003**	**0.1474**	**0.0000**	**645.0391**	**645.0391**	**0.0146**	**0.0593**	**663.0671**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0265	0.2589	0.3970	5.5000e-004		0.0121	0.0121		0.0111	0.0111	0.0000	48.0212	48.0212	0.0155	0.0000	48.4095
Total	**0.0265**	**0.2589**	**0.3970**	**5.5000e-004**		**0.0121**	**0.0121**		**0.0111**	**0.0111**	**0.0000**	**48.0212**	**48.0212**	**0.0155**	**0.0000**	**48.4095**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	9.2500e-003	0.3375	0.1084	1.2800e-003	0.0419	2.0700e-003	0.0439	0.0121	1.9800e-003	0.0141	0.0000	122.7530	122.7530	4.4000e-004	0.0182	128.1903
Worker	0.0761	0.0446	0.5327	1.3200e-003	0.1580	8.5000e-004	0.1589	0.0421	7.8000e-004	0.0428	0.0000	120.5917	120.5917	4.7300e-003	4.0800e-003	121.9260
Total	**0.0854**	**0.3821**	**0.6411**	**2.6000e-003**	**0.1999**	**2.9200e-003**	**0.2028**	**0.0542**	**2.7600e-003**	**0.0569**	**0.0000**	**243.3447**	**243.3447**	**5.1700e-003**	**0.0223**	**250.1163**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0265	0.2589	0.3970	5.5000e-004		0.0121	0.0121		0.0111	0.0111	0.0000	48.0211	48.0211	0.0155	0.0000	48.4094
Total	**0.0265**	**0.2589**	**0.3970**	**5.5000e-004**		**0.0121**	**0.0121**		**0.0111**	**0.0111**	**0.0000**	**48.0211**	**48.0211**	**0.0155**	**0.0000**	**48.4094**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	9.2500e-003	0.3375	0.1084	1.2800e-003	0.0419	2.0700e-003	0.0439	0.0121	1.9800e-003	0.0141	0.0000	122.7530	122.7530	4.4000e-004	0.0182	128.1903
Worker	0.0761	0.0446	0.5327	1.3200e-003	0.1580	8.5000e-004	0.1589	0.0421	7.8000e-004	0.0428	0.0000	120.5917	120.5917	4.7300e-003	4.0800e-003	121.9260
Total	**0.0854**	**0.3821**	**0.6411**	**2.6000e-003**	**0.1999**	**2.9200e-003**	**0.2028**	**0.0542**	**2.7600e-003**	**0.0569**	**0.0000**	**243.3447**	**243.3447**	**5.1700e-003**	**0.0223**	**250.1163**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.5 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0452	0.4429	0.7023	1.0700e-003		0.0208	0.0208		0.0192	0.0192	0.0000	93.5639	93.5639	0.0303	0.0000	94.3204
Paving	0.0146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0598**	**0.4429**	**0.7023**	**1.0700e-003**		**0.0208**	**0.0208**		**0.0192**	**0.0192**	**0.0000**	**93.5639**	**93.5639**	**0.0303**	**0.0000**	**94.3204**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.1500e-003	1.2600e-003	0.0151	4.0000e-005	4.4700e-003	2.0000e-005	4.4900e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.4114	3.4114	1.3000e-004	1.2000e-004	3.4491
Total	**2.1500e-003**	**1.2600e-003**	**0.0151**	**4.0000e-005**	**4.4700e-003**	**2.0000e-005**	**4.4900e-003**	**1.1900e-003**	**2.0000e-005**	**1.2100e-003**	**0.0000**	**3.4114**	**3.4114**	**1.3000e-004**	**1.2000e-004**	**3.4491**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0452	0.4429	0.7023	1.0700e-003		0.0208	0.0208		0.0192	0.0192	0.0000	93.5638	93.5638	0.0303	0.0000	94.3203
Paving	0.0146					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0598**	**0.4429**	**0.7023**	**1.0700e-003**		**0.0208**	**0.0208**		**0.0192**	**0.0192**	**0.0000**	**93.5638**	**93.5638**	**0.0303**	**0.0000**	**94.3203**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.1500e-003	1.2600e-003	0.0151	4.0000e-005	4.4700e-003	2.0000e-005	4.4900e-003	1.1900e-003	2.0000e-005	1.2100e-003	0.0000	3.4114	3.4114	1.3000e-004	1.2000e-004	3.4491
Total	**2.1500e-003**	**1.2600e-003**	**0.0151**	**4.0000e-005**	**4.4700e-003**	**2.0000e-005**	**4.4900e-003**	**1.1900e-003**	**2.0000e-005**	**1.2100e-003**	**0.0000**	**3.4114**	**3.4114**	**1.3000e-004**	**1.2000e-004**	**3.4491**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3893					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5600e-003	0.0306	0.0482	8.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	6.8087	6.8087	3.7000e-004	0.0000	6.8180
Total	**1.3939**	**0.0306**	**0.0482**	**8.0000e-005**		**1.3700e-003**	**1.3700e-003**		**1.3700e-003**	**1.3700e-003**	**0.0000**	**6.8087**	**6.8087**	**3.7000e-004**	**0.0000**	**6.8180**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.0500e-003	3.5500e-003	0.0423	1.0000e-004	0.0126	7.0000e-005	0.0126	3.3400e-003	6.0000e-005	3.4000e-003	0.0000	9.5843	9.5843	3.8000e-004	3.2000e-004	9.6904
Total	**6.0500e-003**	**3.5500e-003**	**0.0423**	**1.0000e-004**	**0.0126**	**7.0000e-005**	**0.0126**	**3.3400e-003**	**6.0000e-005**	**3.4000e-003**	**0.0000**	**9.5843**	**9.5843**	**3.8000e-004**	**3.2000e-004**	**9.6904**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.3893					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.5600e-003	0.0306	0.0482	8.0000e-005		1.3700e-003	1.3700e-003		1.3700e-003	1.3700e-003	0.0000	6.8087	6.8087	3.7000e-004	0.0000	6.8180
Total	**1.3939**	**0.0306**	**0.0482**	**8.0000e-005**		**1.3700e-003**	**1.3700e-003**		**1.3700e-003**	**1.3700e-003**	**0.0000**	**6.8087**	**6.8087**	**3.7000e-004**	**0.0000**	**6.8180**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.0500e-003	3.5500e-003	0.0423	1.0000e-004	0.0126	7.0000e-005	0.0126	3.3400e-003	6.0000e-005	3.4000e-003	0.0000	9.5843	9.5843	3.8000e-004	3.2000e-004	9.6904
Total	**6.0500e-003**	**3.5500e-003**	**0.0423**	**1.0000e-004**	**0.0126**	**7.0000e-005**	**0.0126**	**3.3400e-003**	**6.0000e-005**	**3.4000e-003**	**0.0000**	**9.5843**	**9.5843**	**3.8000e-004**	**3.2000e-004**	**9.6904**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7786					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1100e-003	0.0611	0.0965	1.6000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	13.6174	13.6174	7.4000e-004	0.0000	13.6359
Total	**2.7877**	**0.0611**	**0.0965**	**1.6000e-004**		**2.7500e-003**	**2.7500e-003**		**2.7500e-003**	**2.7500e-003**	**0.0000**	**13.6174**	**13.6174**	**7.4000e-004**	**0.0000**	**13.6359**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0113	6.4200e-003	0.0792	2.0000e-004	0.0251	1.3000e-004	0.0252	6.6900e-003	1.2000e-004	6.8000e-003	0.0000	18.5852	18.5852	6.9000e-004	6.1000e-004	18.7842
Total	**0.0113**	**6.4200e-003**	**0.0792**	**2.0000e-004**	**0.0251**	**1.3000e-004**	**0.0252**	**6.6900e-003**	**1.2000e-004**	**6.8000e-003**	**0.0000**	**18.5852**	**18.5852**	**6.9000e-004**	**6.1000e-004**	**18.7842**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.7786					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.1100e-003	0.0611	0.0965	1.6000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	13.6173	13.6173	7.4000e-004	0.0000	13.6359
Total	**2.7877**	**0.0611**	**0.0965**	**1.6000e-004**		**2.7500e-003**	**2.7500e-003**		**2.7500e-003**	**2.7500e-003**	**0.0000**	**13.6173**	**13.6173**	**7.4000e-004**	**0.0000**	**13.6359**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0113	6.4200e-003	0.0792	2.0000e-004	0.0251	1.3000e-004	0.0252	6.6900e-003	1.2000e-004	6.8000e-003	0.0000	18.5852	18.5852	6.9000e-004	6.1000e-004	18.7842
Total	**0.0113**	**6.4200e-003**	**0.0792**	**2.0000e-004**	**0.0251**	**1.3000e-004**	**0.0252**	**6.6900e-003**	**1.2000e-004**	**6.8000e-003**	**0.0000**	**18.5852**	**18.5852**	**6.9000e-004**	**6.1000e-004**	**18.7842**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.7 Trenching - 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	0.1007	0.8685	1.0535	2.3400e-003		0.0392	0.0392		0.0360	0.0360	0.0000	205.2419	205.2419	0.0664	0.0000	206.9014
Total	**0.1007**	**0.8685**	**1.0535**	**2.3400e-003**		**0.0392**	**0.0392**		**0.0360**	**0.0360**	**0.0000**	**205.2419**	**205.2419**	**0.0664**	**0.0000**	**206.9014**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.9400e-003	2.7000e-003	0.0282	6.0000e-005	6.0700e-003	4.0000e-005	6.1100e-003	1.6100e-003	4.0000e-005	1.6500e-003	0.0000	5.2785	5.2785	2.7000e-004	2.1000e-004	5.3481
Total	**3.9400e-003**	**2.7000e-003**	**0.0282**	**6.0000e-005**	**6.0700e-003**	**4.0000e-005**	**6.1100e-003**	**1.6100e-003**	**4.0000e-005**	**1.6500e-003**	**0.0000**	**5.2785**	**5.2785**	**2.7000e-004**	**2.1000e-004**	**5.3481**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1007	0.8685	1.0535	2.3400e-003		0.0392	0.0392		0.0360	0.0360	0.0000	205.2416	205.2416	0.0664	0.0000	206.9011
Total	**0.1007**	**0.8685**	**1.0535**	**2.3400e-003**		**0.0392**	**0.0392**		**0.0360**	**0.0360**	**0.0000**	**205.2416**	**205.2416**	**0.0664**	**0.0000**	**206.9011**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.9400e-003	2.7000e-003	0.0282	6.0000e-005	6.0700e-003	4.0000e-005	6.1100e-003	1.6100e-003	4.0000e-005	1.6500e-003	0.0000	5.2785	5.2785	2.7000e-004	2.1000e-004	5.3481
Total	**3.9400e-003**	**2.7000e-003**	**0.0282**	**6.0000e-005**	**6.0700e-003**	**4.0000e-005**	**6.1100e-003**	**1.6100e-003**	**4.0000e-005**	**1.6500e-003**	**0.0000**	**5.2785**	**5.2785**	**2.7000e-004**	**2.1000e-004**	**5.3481**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

3.7 Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0537	0.4422	0.5945	1.3300e-003		0.0193	0.0193		0.0177	0.0177	0.0000	116.7456	116.7456	0.0378	0.0000	117.6895
Total	**0.0537**	**0.4422**	**0.5945**	**1.3300e-003**		**0.0193**	**0.0193**		**0.0177**	**0.0177**	**0.0000**	**116.7456**	**116.7456**	**0.0378**	**0.0000**	**117.6895**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.0700e-003	1.3600e-003	0.0147	3.0000e-005	3.4500e-003	2.0000e-005	3.4700e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.9066	2.9066	1.4000e-004	1.1000e-004	2.9430
Total	**2.0700e-003**	**1.3600e-003**	**0.0147**	**3.0000e-005**	**3.4500e-003**	**2.0000e-005**	**3.4700e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**2.9066**	**2.9066**	**1.4000e-004**	**1.1000e-004**	**2.9430**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0537	0.4422	0.5945	1.3300e-003		0.0193	0.0193		0.0177	0.0177	0.0000	116.7454	116.7454	0.0378	0.0000	117.6894
Total	**0.0537**	**0.4422**	**0.5945**	**1.3300e-003**		**0.0193**	**0.0193**		**0.0177**	**0.0177**	**0.0000**	**116.7454**	**116.7454**	**0.0378**	**0.0000**	**117.6894**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.0700e-003	1.3600e-003	0.0147	3.0000e-005	3.4500e-003	2.0000e-005	3.4700e-003	9.2000e-004	2.0000e-005	9.4000e-004	0.0000	2.9066	2.9066	1.4000e-004	1.1000e-004	2.9430
Total	**2.0700e-003**	**1.3600e-003**	**0.0147**	**3.0000e-005**	**3.4500e-003**	**2.0000e-005**	**3.4700e-003**	**9.2000e-004**	**2.0000e-005**	**9.4000e-004**	**0.0000**	**2.9066**	**2.9066**	**1.4000e-004**	**1.1000e-004**	**2.9430**

Construction (Phase 1)

Summer Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Valley's Edge Specific Plan Project - Construction (Phase 1)

Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	54.00	1000sqft	0.00	54,000.00	0
Other Asphalt Surfaces	11.15	Acre	11.15	485,694.00	0
Health Club	8.64	1000sqft	0.00	8,640.00	0
Apartments Low Rise	170.00	Dwelling Unit	0.00	270,338.00	486
Single Family Housing	36.00	Dwelling Unit	0.00	126,748.00	103
Single Family Housing	390.00	Dwelling Unit	54.62	855,000.00	1115
Free-Standing Discount store	1.80	1000sqft	0.00	1,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 1: VLDR: 36 du, LDR: 150 du, MDR: 50 du, Senior LDR: 240 du, Senior MDR: 120 du, Office: 54 ksf, Retail: 1.8 ksf, Clubhouses: 8.64 ksf, Paving: 11.15 acres. 54.62 Acre site.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Construction Phase - Construction would occur between 4/1/2022 to 10/30/2027.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated acres disturbed.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water two times daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	75.00	120.00
tblConstructionPhase	NumDays	1,110.00	656.00
tblConstructionPhase	NumDays	110.00	120.00
tblConstructionPhase	NumDays	75.00	120.00
tblConstructionPhase	NumDays	40.00	6.00
tblConstructionPhase	PhaseEndDate	8/26/2027	4/22/2027
tblConstructionPhase	PhaseEndDate	1/28/2027	5/21/2026
tblConstructionPhase	PhaseEndDate	10/27/2022	11/15/2023
tblConstructionPhase	PhaseEndDate	5/13/2027	11/5/2026

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

tblConstructionPhase	PhaseEndDate	5/26/2022	4/8/2022
tblConstructionPhase	PhaseStartDate	5/14/2027	11/6/2026
tblConstructionPhase	PhaseStartDate	10/28/2022	11/16/2023
tblConstructionPhase	PhaseStartDate	5/27/2022	6/1/2023
tblConstructionPhase	PhaseStartDate	1/29/2027	5/22/2026
tblGrading	AcresOfGrading	420.00	54.62
tblGrading	AcresOfGrading	3.00	54.62
tblLandUse	LandUseSquareFeet	170,000.00	270,338.00
tblLandUse	LandUseSquareFeet	64,800.00	126,748.00
tblLandUse	LandUseSquareFeet	702,000.00	855,000.00
tblLandUse	LotAcreage	1.24	0.00
tblLandUse	LotAcreage	0.20	0.00
tblLandUse	LotAcreage	10.63	0.00
tblLandUse	LotAcreage	11.69	0.00
tblLandUse	LotAcreage	126.62	54.62
tblLandUse	LotAcreage	0.04	0.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.4085	12.8291	11.4367	0.0253	15.7317	0.5637	16.2954	4.3674	0.5186	4.8860	0.0000	2,448.8384	2,448.8384	0.7732	2.3200e-003	2,468.8575
2023	3.9254	38.6691	29.7588	0.0746	6.6048	1.5772	8.1820	3.3889	1.4510	4.8399	0.0000	7,224.6786	7,224.6786	2.3089	0.5250	7,283.3566
2024	2.9285	13.1011	24.2857	0.0677	4.1256	0.3474	4.4730	1.1141	0.3211	1.4353	0.0000	6,917.6102	6,917.6102	0.4665	0.5099	7,081.2144
2025	2.7265	12.4739	23.1144	0.0662	4.1256	0.2993	4.4249	1.1141	0.2769	1.3910	0.0000	6,762.7684	6,762.7684	0.4550	0.4949	6,921.6217
2026	70.0692	12.2844	22.1413	0.0648	4.1256	0.3477	4.4230	1.1141	0.3199	1.3892	0.0000	6,616.8571	6,616.8571	0.5582	0.4812	6,771.3633
2027	70.0443	1.6750	4.6904	9.5300e-003	0.6556	0.0718	0.7274	0.1739	0.0716	0.2455	0.0000	937.8918	937.8918	0.0380	0.0159	943.5910
Maximum	**70.0692**	**38.6691**	**29.7588**	**0.0746**	**15.7317**	**1.5772**	**16.2954**	**4.3674**	**1.4510**	**4.8860**	**0.0000**	**7,224.6786**	**7,224.6786**	**2.3089**	**0.5250**	**7,283.3566**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.4085	12.8291	11.4367	0.0253	7.1098	0.5637	7.6735	1.9734	0.5186	2.4920	0.0000	2,448.8384	2,448.8384	0.7732	2.3200e-003	2,468.8575
2023	3.9254	38.6691	29.7588	0.0746	4.1256	1.5772	4.6044	1.5396	1.4510	2.9906	0.0000	7,224.6786	7,224.6786	2.3089	0.5250	7,283.3566
2024	2.9285	13.1011	24.2857	0.0677	4.1256	0.3474	4.4730	1.1141	0.3211	1.4353	0.0000	6,917.6102	6,917.6102	0.4665	0.5099	7,081.2144
2025	2.7265	12.4739	23.1144	0.0662	4.1256	0.2993	4.4249	1.1141	0.2769	1.3910	0.0000	6,762.7684	6,762.7684	0.4550	0.4949	6,921.6217
2026	70.0692	12.2844	22.1413	0.0648	4.1256	0.3477	4.4230	1.1141	0.3199	1.3892	0.0000	6,616.8571	6,616.8571	0.5582	0.4812	6,771.3633
2027	70.0443	1.6750	4.6904	9.5300e-003	0.6556	0.0718	0.7274	0.1739	0.0716	0.2455	0.0000	937.8918	937.8918	0.0380	0.0159	943.5910
Maximum	**70.0692**	**38.6691**	**29.7588**	**0.0746**	**7.1098**	**1.5772**	**7.6735**	**1.9734**	**1.4510**	**2.9906**	**0.0000**	**7,224.6786**	**7,224.6786**	**2.3089**	**0.5250**	**7,283.3566**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**31.39**	**0.00**	**31.67**	**37.64**	**0.00**	**29.91**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/8/2022	5	6	
2	Grading	Grading	6/1/2023	11/15/2023	5	120	
3	Building Construction	Building Construction	11/16/2023	5/21/2026	5	656	
4	Paving	Paving	5/22/2026	11/5/2026	5	120	
5	Architectural Coating	Architectural Coating	11/6/2026	4/22/2027	5	120	
6	Trenching	Trenching	4/9/2022	5/31/2023	5	298	

Acres of Grading (Site Preparation Phase): 54.62

Acres of Grading (Grading Phase): 54.62

Acres of Paving: 11.15

Residential Indoor: 2,535,474; Residential Outdoor: 845,158; Non-Residential Indoor: 96,660; Non-Residential Outdoor: 32,220; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	118.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	588.00	154.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					15.6762	0.0000	15.6762	4.3526	0.0000	4.3526			0.0000			0.0000
Off-Road	1.3655	12.8074	6.9407	0.0218		0.5633	0.5633		0.5183	0.5183		2,106.0207	2,106.0207	0.6811		2,123.0489
Total	**1.3655**	**12.8074**	**6.9407**	**0.0218**	**15.6762**	**0.5633**	**16.2395**	**4.3526**	**0.5183**	**4.8709**		**2,106.0207**	**2,106.0207**	**0.6811**		**2,123.0489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0429	0.0217	0.2891	5.6000e-004	0.0556	3.6000e-004	0.0559	0.0147	3.3000e-004	0.0151		56.1333	56.1333	2.4600e-003	1.9300e-003	56.7696
Total	**0.0429**	**0.0217**	**0.2891**	**5.6000e-004**	**0.0556**	**3.6000e-004**	**0.0559**	**0.0147**	**3.3000e-004**	**0.0151**		**56.1333**	**56.1333**	**2.4600e-003**	**1.9300e-003**	**56.7696**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0543	0.0000	7.0543	1.9587	0.0000	1.9587			0.0000			0.0000
Off-Road	1.3655	12.8074	6.9407	0.0218		0.5633	0.5633		0.5183	0.5183	0.0000	2,106.0207	2,106.0207	0.6811		2,123.0489
Total	**1.3655**	**12.8074**	**6.9407**	**0.0218**	**7.0543**	**0.5633**	**7.6176**	**1.9587**	**0.5183**	**2.4769**	**0.0000**	**2,106.0207**	**2,106.0207**	**0.6811**		**2,123.0489**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0429	0.0217	0.2891	5.6000e-004	0.0556	3.6000e-004	0.0559	0.0147	3.3000e-004	0.0151		56.1333	56.1333	2.4600e-003	1.9300e-003	56.7696
Total	**0.0429**	**0.0217**	**0.2891**	**5.6000e-004**	**0.0556**	**3.6000e-004**	**0.0559**	**0.0147**	**3.3000e-004**	**0.0151**		**56.1333**	**56.1333**	**2.4600e-003**	**1.9300e-003**	**56.7696**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5048	0.0000	6.5048	3.3624	0.0000	3.3624			0.0000			0.0000
Off-Road	3.8541	38.6345	29.2850	0.0736		1.5766	1.5766		1.4505	1.4505		7,126.8280	7,126.8280	2.3050		7,184.4520
Total	**3.8541**	**38.6345**	**29.2850**	**0.0736**	**6.5048**	**1.5766**	**8.0814**	**3.3624**	**1.4505**	**4.8128**		**7,126.8280**	**7,126.8280**	**2.3050**		**7,184.4520**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0714	0.0347	0.4739	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.6000e-004	0.0271		97.8506	97.8506	3.9800e-003	3.2000e-003	98.9045
Total	**0.0714**	**0.0347**	**0.4739**	**9.7000e-004**	**0.1000**	**6.1000e-004**	**0.1006**	**0.0265**	**5.6000e-004**	**0.0271**		**97.8506**	**97.8506**	**3.9800e-003**	**3.2000e-003**	**98.9045**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9272	0.0000	2.9272	1.5131	0.0000	1.5131			0.0000			0.0000
Off-Road	3.8541	38.6345	29.2850	0.0736		1.5766	1.5766		1.4505	1.4505	0.0000	7,126.8280	7,126.8280	2.3050		7,184.4520
Total	**3.8541**	**38.6345**	**29.2850**	**0.0736**	**2.9272**	**1.5766**	**4.5037**	**1.5131**	**1.4505**	**2.9635**	**0.0000**	**7,126.8280**	**7,126.8280**	**2.3050**		**7,184.4520**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0714	0.0347	0.4739	9.7000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.6000e-004	0.0271		97.8506	97.8506	3.9800e-003	3.2000e-003	98.9045
Total	**0.0714**	**0.0347**	**0.4739**	**9.7000e-004**	**0.1000**	**6.1000e-004**	**0.1006**	**0.0265**	**5.6000e-004**	**0.0271**		**97.8506**	**97.8506**	**3.9800e-003**	**3.2000e-003**	**98.9045**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6103	5.9504	7.8970	0.0108		0.3295	0.3295		0.3032	0.3032		1,047.2455	1,047.2455	0.3387		1,055.7130
Total	**0.6103**	**5.9504**	**7.8970**	**0.0108**		**0.3295**	**0.3295**		**0.3032**	**0.3032**		**1,047.2455**	**1,047.2455**	**0.3387**		**1,055.7130**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2091	6.6306	2.2584	0.0268	0.8588	0.0430	0.9018	0.2474	0.0411	0.2885		2,823.5785	2,823.5785	0.0110	0.4203	2,949.1164
Worker	2.3311	1.1323	15.4794	0.0316	3.2668	0.0200	3.2868	0.8668	0.0184	0.8852		3,196.4517	3,196.4517	0.1300	0.1046	3,230.8810
Total	**2.5402**	**7.7629**	**17.7378**	**0.0584**	**4.1256**	**0.0630**	**4.1886**	**1.1141**	**0.0595**	**1.1737**		**6,020.0302**	**6,020.0302**	**0.1410**	**0.5250**	**6,179.9974**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6103	5.9504	7.8970	0.0108		0.3295	0.3295		0.3032	0.3032	0.0000	1,047.2455	1,047.2455	0.3387		1,055.7130
Total	**0.6103**	**5.9504**	**7.8970**	**0.0108**		**0.3295**	**0.3295**		**0.3032**	**0.3032**	**0.0000**	**1,047.2455**	**1,047.2455**	**0.3387**		**1,055.7130**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2091	6.6306	2.2584	0.0268	0.8588	0.0430	0.9018	0.2474	0.0411	0.2885		2,823.5785	2,823.5785	0.0110	0.4203	2,949.1164
Worker	2.3311	1.1323	15.4794	0.0316	3.2668	0.0200	3.2868	0.8668	0.0184	0.8852		3,196.4517	3,196.4517	0.1300	0.1046	3,230.8810
Total	**2.5402**	**7.7629**	**17.7378**	**0.0584**	**4.1256**	**0.0630**	**4.1886**	**1.1141**	**0.0595**	**1.1737**		**6,020.0302**	**6,020.0302**	**0.1410**	**0.5250**	**6,179.9974**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5705	5.5471	7.8891	0.0108		0.2860	0.2860		0.2631	0.2631		1,047.6260	1,047.6260	0.3388		1,056.0966
Total	**0.5705**	**5.5471**	**7.8891**	**0.0108**		**0.2860**	**0.2860**		**0.2631**	**0.2631**		**1,047.6260**	**1,047.6260**	**0.3388**		**1,056.0966**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2018	6.5471	2.1987	0.0263	0.8589	0.0425	0.9014	0.2474	0.0407	0.2881		2,777.9390	2,777.9390	0.0105	0.4130	2,901.2788
Worker	2.1562	1.0070	14.1978	0.0306	3.2668	0.0188	3.2856	0.8668	0.0173	0.8841		3,092.0452	3,092.0452	0.1171	0.0969	3,123.8391
Total	**2.3580**	**7.5541**	**16.3965**	**0.0569**	**4.1256**	**0.0613**	**4.1870**	**1.1141**	**0.0580**	**1.1722**		**5,869.9842**	**5,869.9842**	**0.1276**	**0.5099**	**6,025.1178**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5705	5.5471	7.8891	0.0108		0.2860	0.2860		0.2631	0.2631	0.0000	1,047.6260	1,047.6260	0.3388		1,056.0966
Total	**0.5705**	**5.5471**	**7.8891**	**0.0108**		**0.2860**	**0.2860**		**0.2631**	**0.2631**	**0.0000**	**1,047.6260**	**1,047.6260**	**0.3388**		**1,056.0966**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2018	6.5471	2.1987	0.0263	0.8589	0.0425	0.9014	0.2474	0.0407	0.2881		2,777.9390	2,777.9390	0.0105	0.4130	2,901.2788
Worker	2.1562	1.0070	14.1978	0.0306	3.2668	0.0188	3.2856	0.8668	0.0173	0.8841		3,092.0452	3,092.0452	0.1171	0.0969	3,123.8391
Total	**2.3580**	**7.5541**	**16.3965**	**0.0569**	**4.1256**	**0.0613**	**4.1870**	**1.1141**	**0.0580**	**1.1722**		**5,869.9842**	**5,869.9842**	**0.1276**	**0.5099**	**6,025.1178**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205		1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**		**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1955	6.4465	2.1505	0.0258	0.8589	0.0418	0.9006	0.2474	0.0400	0.2874		2,726.9830	2,726.9830	0.0101	0.4048	2,847.8585
Worker	2.0061	0.9017	13.1034	0.0296	3.2668	0.0178	3.2846	0.8668	0.0164	0.8832		2,987.5812	2,987.5812	0.1059	0.0901	3,017.0837
Total	**2.2016**	**7.3481**	**15.2539**	**0.0554**	**4.1256**	**0.0596**	**4.1852**	**1.1141**	**0.0564**	**1.1705**		**5,714.5642**	**5,714.5642**	**0.1160**	**0.4949**	**5,864.9423**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205	0.0000	1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**	**0.0000**	**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1955	6.4465	2.1505	0.0258	0.8589	0.0418	0.9006	0.2474	0.0400	0.2874		2,726.9830	2,726.9830	0.0101	0.4048	2,847.8585
Worker	2.0061	0.9017	13.1034	0.0296	3.2668	0.0178	3.2846	0.8668	0.0164	0.8832		2,987.5812	2,987.5812	0.1059	0.0901	3,017.0837
Total	**2.2016**	**7.3481**	**15.2539**	**0.0554**	**4.1256**	**0.0596**	**4.1852**	**1.1141**	**0.0564**	**1.1705**		**5,714.5642**	**5,714.5642**	**0.1160**	**0.4949**	**5,864.9423**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205		1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**		**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1899	6.3459	2.1112	0.0254	0.8589	0.0409	0.8997	0.2474	0.0391	0.2865		2,676.6381	2,676.6381	9.7200e-003	0.3968	2,795.1241
Worker	1.8712	0.8127	12.1695	0.0286	3.2668	0.0168	3.2836	0.8668	0.0155	0.8822		2,892.0148	2,892.0148	0.0961	0.0844	2,919.5597
Total	**2.0610**	**7.1586**	**14.2807**	**0.0540**	**4.1256**	**0.0577**	**4.1833**	**1.1141**	**0.0546**	**1.1687**		**5,568.6529**	**5,568.6529**	**0.1058**	**0.4812**	**5,714.6838**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205	0.0000	1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**	**0.0000**	**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1899	6.3459	2.1112	0.0254	0.8589	0.0409	0.8997	0.2474	0.0391	0.2865		2,676.6381	2,676.6381	9.7200e-003	0.3968	2,795.1241
Worker	1.8712	0.8127	12.1695	0.0286	3.2668	0.0168	3.2836	0.8668	0.0155	0.8822		2,892.0148	2,892.0148	0.0961	0.0844	2,919.5597
Total	**2.0610**	**7.1586**	**14.2807**	**0.0540**	**4.1256**	**0.0577**	**4.1833**	**1.1141**	**0.0546**	**1.1687**		**5,568.6529**	**5,568.6529**	**0.1058**	**0.4812**	**5,714.6838**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.5 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7531	7.3819	11.7056	0.0178		0.3473	0.3473		0.3195	0.3195		1,718.9417	1,718.9417	0.5559		1,732.8402
Paving	0.2434					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9966**	**7.3819**	**11.7056**	**0.0178**		**0.3473**	**0.3473**		**0.3195**	**0.3195**		**1,718.9417**	**1,718.9417**	**0.5559**		**1,732.8402**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0194	0.2898	6.8000e-004	0.0778	4.0000e-004	0.0782	0.0206	3.7000e-004	0.0210		68.8575	68.8575	2.2900e-003	2.0100e-003	69.5133
Total	**0.0446**	**0.0194**	**0.2898**	**6.8000e-004**	**0.0778**	**4.0000e-004**	**0.0782**	**0.0206**	**3.7000e-004**	**0.0210**		**68.8575**	**68.8575**	**2.2900e-003**	**2.0100e-003**	**69.5133**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7531	7.3819	11.7056	0.0178		0.3473	0.3473		0.3195	0.3195	0.0000	1,718.9417	1,718.9417	0.5559		1,732.8402
Paving	0.2434					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9966**	**7.3819**	**11.7056**	**0.0178**		**0.3473**	**0.3473**		**0.3195**	**0.3195**	**0.0000**	**1,718.9417**	**1,718.9417**	**0.5559**		**1,732.8402**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0446	0.0194	0.2898	6.8000e-004	0.0778	4.0000e-004	0.0782	0.0206	3.7000e-004	0.0210		68.8575	68.8575	2.2900e-003	2.0100e-003	69.5133
Total	**0.0446**	**0.0194**	**0.2898**	**6.8000e-004**	**0.0778**	**4.0000e-004**	**0.0782**	**0.0206**	**3.7000e-004**	**0.0210**		**68.8575**	**68.8575**	**2.2900e-003**	**2.0100e-003**	**69.5133**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.4659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758
Total	**69.6937**	**1.5273**	**2.4122**	**3.9600e-003**		**0.0687**	**0.0687**		**0.0687**	**0.0687**		**375.2641**	**375.2641**	**0.0205**		**375.7758**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3755	0.1631	2.4422	5.7400e-003	0.6556	3.3700e-003	0.6590	0.1739	3.1100e-003	0.1771		580.3703	580.3703	0.0193	0.0169	585.8980
Total	**0.3755**	**0.1631**	**2.4422**	**5.7400e-003**	**0.6556**	**3.3700e-003**	**0.6590**	**0.1739**	**3.1100e-003**	**0.1771**		**580.3703**	**580.3703**	**0.0193**	**0.0169**	**585.8980**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	69.4659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687	0.0000	375.2641	375.2641	0.0205		375.7758
Total	**69.6937**	**1.5273**	**2.4122**	**3.9600e-003**		**0.0687**	**0.0687**		**0.0687**	**0.0687**	**0.0000**	**375.2641**	**375.2641**	**0.0205**		**375.7758**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3755	0.1631	2.4422	5.7400e-003	0.6556	3.3700e-003	0.6590	0.1739	3.1100e-003	0.1771		580.3703	580.3703	0.0193	0.0169	585.8980
Total	**0.3755**	**0.1631**	**2.4422**	**5.7400e-003**	**0.6556**	**3.3700e-003**	**0.6590**	**0.1739**	**3.1100e-003**	**0.1771**		**580.3703**	**580.3703**	**0.0193**	**0.0169**	**585.8980**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.4659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758
Total	**69.6937**	**1.5273**	**2.4122**	**3.9600e-003**		**0.0687**	**0.0687**		**0.0687**	**0.0687**		**375.2641**	**375.2641**	**0.0205**		**375.7758**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3507	0.1477	2.2782	5.5700e-003	0.6556	3.1600e-003	0.6587	0.1739	2.9100e-003	0.1769		562.6277	562.6277	0.0176	0.0159	567.8152
Total	**0.3507**	**0.1477**	**2.2782**	**5.5700e-003**	**0.6556**	**3.1600e-003**	**0.6587**	**0.1739**	**2.9100e-003**	**0.1769**		**562.6277**	**562.6277**	**0.0176**	**0.0159**	**567.8152**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	69.4659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687	0.0000	375.2641	375.2641	0.0205		375.7758
Total	**69.6937**	**1.5273**	**2.4122**	**3.9600e-003**		**0.0687**	**0.0687**		**0.0687**	**0.0687**	**0.0000**	**375.2641**	**375.2641**	**0.0205**		**375.7758**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3507	0.1477	2.2782	5.5700e-003	0.6556	3.1600e-003	0.6587	0.1739	2.9100e-003	0.1769		562.6277	562.6277	0.0176	0.0159	567.8152
Total	**0.3507**	**0.1477**	**2.2782**	**5.5700e-003**	**0.6556**	**3.1600e-003**	**0.6587**	**0.1739**	**2.9100e-003**	**0.1769**		**562.6277**	**562.6277**	**0.0176**	**0.0159**	**567.8152**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.7 Trenching - 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	1.0603	9.1420	11.0898	0.0246		0.4121	0.4121		0.3791	0.3791		2,381.4785	2,381.4785	0.7702		2,400.7339
Total	**1.0603**	**9.1420**	**11.0898**	**0.0246**		**0.4121**	**0.4121**		**0.3791**	**0.3791**		**2,381.4785**	**2,381.4785**	**0.7702**		**2,400.7339**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0515	0.0261	0.3469	6.7000e-004	0.0667	4.4000e-004	0.0671	0.0177	4.0000e-004	0.0181		67.3599	67.3599	2.9500e-003	2.3200e-003	68.1236
Total	**0.0515**	**0.0261**	**0.3469**	**6.7000e-004**	**0.0667**	**4.4000e-004**	**0.0671**	**0.0177**	**4.0000e-004**	**0.0181**		**67.3599**	**67.3599**	**2.9500e-003**	**2.3200e-003**	**68.1236**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0603	9.1420	11.0898	0.0246		0.4121	0.4121		0.3791	0.3791	0.0000	2,381.4785	2,381.4785	0.7702		2,400.7339
Total	**1.0603**	**9.1420**	**11.0898**	**0.0246**		**0.4121**	**0.4121**		**0.3791**	**0.3791**	**0.0000**	**2,381.4785**	**2,381.4785**	**0.7702**		**2,400.7339**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0515	0.0261	0.3469	6.7000e-004	0.0667	4.4000e-004	0.0671	0.0177	4.0000e-004	0.0181		67.3599	67.3599	2.9500e-003	2.3200e-003	68.1236
Total	**0.0515**	**0.0261**	**0.3469**	**6.7000e-004**	**0.0667**	**4.4000e-004**	**0.0671**	**0.0177**	**4.0000e-004**	**0.0181**		**67.3599**	**67.3599**	**2.9500e-003**	**2.3200e-003**	**68.1236**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

3.7 Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9953	8.1879	11.0089	0.0246		0.3564	0.3564		0.3279	0.3279		2,383.1471	2,383.1471	0.7708		2,402.4161
Total	**0.9953**	**8.1879**	**11.0089**	**0.0246**		**0.3564**	**0.3564**		**0.3279**	**0.3279**		**2,383.1471**	**2,383.1471**	**0.7708**		**2,402.4161**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0476	0.0231	0.3159	6.5000e-004	0.0667	4.1000e-004	0.0671	0.0177	3.8000e-004	0.0181		65.2337	65.2337	2.6500e-003	2.1400e-003	65.9364
Total	**0.0476**	**0.0231**	**0.3159**	**6.5000e-004**	**0.0667**	**4.1000e-004**	**0.0671**	**0.0177**	**3.8000e-004**	**0.0181**		**65.2337**	**65.2337**	**2.6500e-003**	**2.1400e-003**	**65.9364**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:46 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9953	8.1879	11.0089	0.0246		0.3564	0.3564		0.3279	0.3279	0.0000	2,383.1471	2,383.1471	0.7708		2,402.4161
Total	**0.9953**	**8.1879**	**11.0089**	**0.0246**		**0.3564**	**0.3564**		**0.3279**	**0.3279**	**0.0000**	**2,383.1471**	**2,383.1471**	**0.7708**		**2,402.4161**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0476	0.0231	0.3159	6.5000e-004	0.0667	4.1000e-004	0.0671	0.0177	3.8000e-004	0.0181		65.2337	65.2337	2.6500e-003	2.1400e-003	65.9364
Total	**0.0476**	**0.0231**	**0.3159**	**6.5000e-004**	**0.0667**	**4.1000e-004**	**0.0671**	**0.0177**	**3.8000e-004**	**0.0181**		**65.2337**	**65.2337**	**2.6500e-003**	**2.1400e-003**	**65.9364**

Construction (Phase 1)

Winter Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Valley's Edge Specific Plan Project - Construction (Phase 1)

Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	54.00	1000sqft	0.00	54,000.00	0
Other Asphalt Surfaces	11.15	Acre	11.15	485,694.00	0
Health Club	8.64	1000sqft	0.00	8,640.00	0
Apartments Low Rise	170.00	Dwelling Unit	0.00	270,338.00	486
Single Family Housing	36.00	Dwelling Unit	0.00	126,748.00	103
Single Family Housing	390.00	Dwelling Unit	54.62	855,000.00	1115
Free-Standing Discount store	1.80	1000sqft	0.00	1,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 1: VLDR: 36 du, LDR: 150 du, MDR: 50 du, Senior LDR: 240 du, Senior MDR: 120 du, Office: 54 ksf, Retail: 1.8 ksf, Clubhouses: 8.64 ksf, Paving: 11.15 acres. 54.62 Acre site.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Construction Phase - Construction would occur between 4/1/2022 to 10/30/2027.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated acres disturbed.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water two times daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	75.00	120.00
tblConstructionPhase	NumDays	1,110.00	656.00
tblConstructionPhase	NumDays	110.00	120.00
tblConstructionPhase	NumDays	75.00	120.00
tblConstructionPhase	NumDays	40.00	6.00
tblConstructionPhase	PhaseEndDate	8/26/2027	4/22/2027
tblConstructionPhase	PhaseEndDate	1/28/2027	5/21/2026
tblConstructionPhase	PhaseEndDate	10/27/2022	11/15/2023
tblConstructionPhase	PhaseEndDate	5/13/2027	11/5/2026

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

tblConstructionPhase	PhaseEndDate	5/26/2022	4/8/2022
tblConstructionPhase	PhaseStartDate	5/14/2027	11/6/2026
tblConstructionPhase	PhaseStartDate	10/28/2022	11/16/2023
tblConstructionPhase	PhaseStartDate	5/27/2022	6/1/2023
tblConstructionPhase	PhaseStartDate	1/29/2027	5/22/2026
tblGrading	AcresOfGrading	420.00	54.62
tblGrading	AcresOfGrading	3.00	54.62
tblLandUse	LandUseSquareFeet	170,000.00	270,338.00
tblLandUse	LandUseSquareFeet	64,800.00	126,748.00
tblLandUse	LandUseSquareFeet	702,000.00	855,000.00
tblLandUse	LotAcreage	1.24	0.00
tblLandUse	LotAcreage	0.20	0.00
tblLandUse	LotAcreage	10.63	0.00
tblLandUse	LotAcreage	11.69	0.00
tblLandUse	LotAcreage	126.62	54.62
tblLandUse	LotAcreage	0.04	0.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.4001	12.8340	11.3912	0.0252	15.7317	0.5637	16.2954	4.3674	0.5186	4.8860	0.0000	2,440.9795	2,440.9795	0.7737	2.6500e-003	2,461.1109
2023	3.9115	38.6769	29.6994	0.0745	6.6048	1.5772	8.1820	3.3889	1.4510	4.8399	0.0000	7,213.2949	7,213.2949	2.3096	0.5417	7,272.1278
2024	2.4982	13.8665	22.6657	0.0642	4.1256	0.3475	4.4732	1.1141	0.3213	1.4355	0.0000	6,565.5470	6,565.5470	0.4867	0.5254	6,734.2759
2025	2.3254	13.2067	21.6879	0.0629	4.1256	0.2994	4.4251	1.1141	0.2770	1.3912	0.0000	6,423.6577	6,423.6577	0.4738	0.5093	6,587.2815
2026	69.9966	12.9882	20.8694	0.0616	4.1256	0.3477	4.4232	1.1141	0.3199	1.3894	0.0000	6,289.3928	6,289.3928	0.5587	0.4947	6,448.3652
2027	69.9768	1.7078	4.4445	8.8800e-003	0.6556	0.0718	0.7274	0.1739	0.0716	0.2455	0.0000	872.9660	872.9660	0.0414	0.0182	879.4247
Maximum	**69.9966**	**38.6769**	**29.6994**	**0.0745**	**15.7317**	**1.5772**	**16.2954**	**4.3674**	**1.4510**	**4.8860**	**0.0000**	**7,213.2949**	**7,213.2949**	**2.3096**	**0.5417**	**7,272.1278**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	1.4001	12.8340	11.3912	0.0252	7.1098	0.5637	7.6735	1.9734	0.5186	2.4920	0.0000	2,440.9795	2,440.9795	0.7737	2.6500e-003	2,461.1109
2023	3.9115	38.6769	29.6994	0.0745	4.1256	1.5772	4.6044	1.5396	1.4510	2.9906	0.0000	7,213.2949	7,213.2949	2.3096	0.5417	7,272.1278
2024	2.4982	13.8665	22.6657	0.0642	4.1256	0.3475	4.4732	1.1141	0.3213	1.4355	0.0000	6,565.5470	6,565.5470	0.4867	0.5254	6,734.2759
2025	2.3254	13.2067	21.6879	0.0629	4.1256	0.2994	4.4251	1.1141	0.2770	1.3912	0.0000	6,423.6577	6,423.6577	0.4738	0.5093	6,587.2815
2026	69.9966	12.9882	20.8694	0.0616	4.1256	0.3477	4.4232	1.1141	0.3199	1.3894	0.0000	6,289.3928	6,289.3928	0.5587	0.4947	6,448.3652
2027	69.9768	1.7078	4.4445	8.8800e-003	0.6556	0.0718	0.7274	0.1739	0.0716	0.2455	0.0000	872.9660	872.9660	0.0414	0.0182	879.4247
Maximum	**69.9966**	**38.6769**	**29.6994**	**0.0745**	**7.1098**	**1.5772**	**7.6735**	**1.9734**	**1.4510**	**2.9906**	**0.0000**	**7,213.2949**	**7,213.2949**	**2.3096**	**0.5417**	**7,272.1278**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**31.39**	**0.00**	**31.67**	**37.64**	**0.00**	**29.91**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2022	4/8/2022	5	6	
2	Grading	Grading	6/1/2023	11/15/2023	5	120	
3	Building Construction	Building Construction	11/16/2023	5/21/2026	5	656	
4	Paving	Paving	5/22/2026	11/5/2026	5	120	
5	Architectural Coating	Architectural Coating	11/6/2026	4/22/2027	5	120	
6	Trenching	Trenching	4/9/2022	5/31/2023	5	298	

Acres of Grading (Site Preparation Phase): 54.62

Acres of Grading (Grading Phase): 54.62

Acres of Paving: 11.15

Residential Indoor: 2,535,474; Residential Outdoor: 845,158; Non-Residential Indoor: 96,660; Non-Residential Outdoor: 32,220; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	118.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	588.00	154.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					15.6762	0.0000	15.6762	4.3526	0.0000	4.3526			0.0000			0.0000
Off-Road	1.3655	12.8074	6.9407	0.0218		0.5633	0.5633		0.5183	0.5183		2,106.0207	2,106.0207	0.6811		2,123.0489
Total	**1.3655**	**12.8074**	**6.9407**	**0.0218**	**15.6762**	**0.5633**	**16.2395**	**4.3526**	**0.5183**	**4.8709**		**2,106.0207**	**2,106.0207**	**0.6811**		**2,123.0489**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0266	0.2512	4.9000e-004	0.0556	3.6000e-004	0.0559	0.0147	3.3000e-004	0.0151		49.5842	49.5842	2.8600e-003	2.2100e-003	50.3141
Total	**0.0346**	**0.0266**	**0.2512**	**4.9000e-004**	**0.0556**	**3.6000e-004**	**0.0559**	**0.0147**	**3.3000e-004**	**0.0151**		**49.5842**	**49.5842**	**2.8600e-003**	**2.2100e-003**	**50.3141**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0543	0.0000	7.0543	1.9587	0.0000	1.9587			0.0000			0.0000
Off-Road	1.3655	12.8074	6.9407	0.0218		0.5633	0.5633		0.5183	0.5183	0.0000	2,106.0207	2,106.0207	0.6811		2,123.0489
Total	**1.3655**	**12.8074**	**6.9407**	**0.0218**	**7.0543**	**0.5633**	**7.6176**	**1.9587**	**0.5183**	**2.4769**	**0.0000**	**2,106.0207**	**2,106.0207**	**0.6811**		**2,123.0489**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0346	0.0266	0.2512	4.9000e-004	0.0556	3.6000e-004	0.0559	0.0147	3.3000e-004	0.0151		49.5842	49.5842	2.8600e-003	2.2100e-003	50.3141
Total	**0.0346**	**0.0266**	**0.2512**	**4.9000e-004**	**0.0556**	**3.6000e-004**	**0.0559**	**0.0147**	**3.3000e-004**	**0.0151**		**49.5842**	**49.5842**	**2.8600e-003**	**2.2100e-003**	**50.3141**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.3 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5048	0.0000	6.5048	3.3624	0.0000	3.3624			0.0000			0.0000
Off-Road	3.8541	38.6345	29.2850	0.0736		1.5766	1.5766		1.4505	1.4505		7,126.8280	7,126.8280	2.3050		7,184.4520
Total	**3.8541**	**38.6345**	**29.2850**	**0.0736**	**6.5048**	**1.5766**	**8.0814**	**3.3624**	**1.4505**	**4.8128**		**7,126.8280**	**7,126.8280**	**2.3050**		**7,184.4520**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0575	0.0424	0.4144	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.6000e-004	0.0271		86.4669	86.4669	4.6600e-003	3.6700e-003	87.6757
Total	**0.0575**	**0.0424**	**0.4144**	**8.6000e-004**	**0.1000**	**6.1000e-004**	**0.1006**	**0.0265**	**5.6000e-004**	**0.0271**		**86.4669**	**86.4669**	**4.6600e-003**	**3.6700e-003**	**87.6757**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9272	0.0000	2.9272	1.5131	0.0000	1.5131			0.0000			0.0000
Off-Road	3.8541	38.6345	29.2850	0.0736		1.5766	1.5766		1.4505	1.4505	0.0000	7,126.8280	7,126.8280	2.3050		7,184.4520
Total	**3.8541**	**38.6345**	**29.2850**	**0.0736**	**2.9272**	**1.5766**	**4.5037**	**1.5131**	**1.4505**	**2.9635**	**0.0000**	**7,126.8280**	**7,126.8280**	**2.3050**		**7,184.4520**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0575	0.0424	0.4144	8.6000e-004	0.1000	6.1000e-004	0.1006	0.0265	5.6000e-004	0.0271		86.4669	86.4669	4.6600e-003	3.6700e-003	87.6757
Total	**0.0575**	**0.0424**	**0.4144**	**8.6000e-004**	**0.1000**	**6.1000e-004**	**0.1006**	**0.0265**	**5.6000e-004**	**0.0271**		**86.4669**	**86.4669**	**4.6600e-003**	**3.6700e-003**	**87.6757**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6103	5.9504	7.8970	0.0108		0.3295	0.3295		0.3032	0.3032		1,047.2455	1,047.2455	0.3387		1,055.7130
Total	**0.6103**	**5.9504**	**7.8970**	**0.0108**		**0.3295**	**0.3295**		**0.3032**	**0.3032**		**1,047.2455**	**1,047.2455**	**0.3387**		**1,055.7130**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1969	7.1783	2.3419	0.0268	0.8588	0.0432	0.9020	0.2474	0.0413	0.2887		2,830.2903	2,830.2903	0.0105	0.4220	2,956.3025
Worker	1.8775	1.3863	13.5385	0.0279	3.2668	0.0200	3.2868	0.8668	0.0184	0.8852		2,824.5852	2,824.5852	0.1522	0.1197	2,864.0738
Total	**2.0744**	**8.5646**	**15.8804**	**0.0548**	**4.1256**	**0.0632**	**4.1888**	**1.1141**	**0.0597**	**1.1739**		**5,654.8756**	**5,654.8756**	**0.1627**	**0.5417**	**5,820.3763**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6103	5.9504	7.8970	0.0108		0.3295	0.3295		0.3032	0.3032	0.0000	1,047.2455	1,047.2455	0.3387		1,055.7130
Total	**0.6103**	**5.9504**	**7.8970**	**0.0108**		**0.3295**	**0.3295**		**0.3032**	**0.3032**	**0.0000**	**1,047.2455**	**1,047.2455**	**0.3387**		**1,055.7130**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1969	7.1783	2.3419	0.0268	0.8588	0.0432	0.9020	0.2474	0.0413	0.2887		2,830.2903	2,830.2903	0.0105	0.4220	2,956.3025
Worker	1.8775	1.3863	13.5385	0.0279	3.2668	0.0200	3.2868	0.8668	0.0184	0.8852		2,824.5852	2,824.5852	0.1522	0.1197	2,864.0738
Total	**2.0744**	**8.5646**	**15.8804**	**0.0548**	**4.1256**	**0.0632**	**4.1888**	**1.1141**	**0.0597**	**1.1739**		**5,654.8756**	**5,654.8756**	**0.1627**	**0.5417**	**5,820.3763**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5705	5.5471	7.8891	0.0108		0.2860	0.2860		0.2631	0.2631		1,047.6260	1,047.6260	0.3388		1,056.0966
Total	**0.5705**	**5.5471**	**7.8891**	**0.0108**		**0.2860**	**0.2860**		**0.2631**	**0.2631**		**1,047.6260**	**1,047.6260**	**0.3388**		**1,056.0966**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1897	7.0874	2.2824	0.0264	0.8589	0.0427	0.9016	0.2474	0.0409	0.2883		2,784.6765	2,784.6765	9.9700e-003	0.4146	2,908.4727
Worker	1.7381	1.2321	12.4942	0.0270	3.2668	0.0188	3.2856	0.8668	0.0173	0.8841		2,733.2446	2,733.2446	0.1379	0.1108	2,769.7066
Total	**1.9278**	**8.3194**	**14.7766**	**0.0534**	**4.1256**	**0.0615**	**4.1872**	**1.1141**	**0.0582**	**1.1723**		**5,517.9211**	**5,517.9211**	**0.1479**	**0.5254**	**5,678.1793**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5705	5.5471	7.8891	0.0108		0.2860	0.2860		0.2631	0.2631	0.0000	1,047.6260	1,047.6260	0.3388		1,056.0966
Total	**0.5705**	**5.5471**	**7.8891**	**0.0108**		**0.2860**	**0.2860**		**0.2631**	**0.2631**	**0.0000**	**1,047.6260**	**1,047.6260**	**0.3388**		**1,056.0966**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1897	7.0874	2.2824	0.0264	0.8589	0.0427	0.9016	0.2474	0.0409	0.2883		2,784.6765	2,784.6765	9.9700e-003	0.4146	2,908.4727
Worker	1.7381	1.2321	12.4942	0.0270	3.2668	0.0188	3.2856	0.8668	0.0173	0.8841		2,733.2446	2,733.2446	0.1379	0.1108	2,769.7066
Total	**1.9278**	**8.3194**	**14.7766**	**0.0534**	**4.1256**	**0.0615**	**4.1872**	**1.1141**	**0.0582**	**1.1723**		**5,517.9211**	**5,517.9211**	**0.1479**	**0.5254**	**5,678.1793**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205		1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**		**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1835	6.9782	2.2338	0.0259	0.8589	0.0420	0.9008	0.2474	0.0402	0.2876		2,733.7128	2,733.7128	9.5500e-003	0.4063	2,855.0302
Worker	1.6170	1.1027	11.5935	0.0261	3.2668	0.0178	3.2846	0.8668	0.0164	0.8832		2,641.7407	2,641.7407	0.1252	0.1030	2,675.5719
Total	**1.8005**	**8.0809**	**13.8274**	**0.0520**	**4.1256**	**0.0598**	**4.1854**	**1.1141**	**0.0566**	**1.1707**		**5,375.4535**	**5,375.4535**	**0.1348**	**0.5093**	**5,530.6020**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205	0.0000	1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**	**0.0000**	**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1835	6.9782	2.2338	0.0259	0.8589	0.0420	0.9008	0.2474	0.0402	0.2876		2,733.7128	2,733.7128	9.5500e-003	0.4063	2,855.0302
Worker	1.6170	1.1027	11.5935	0.0261	3.2668	0.0178	3.2846	0.8668	0.0164	0.8832		2,641.7407	2,641.7407	0.1252	0.1030	2,675.5719
Total	**1.8005**	**8.0809**	**13.8274**	**0.0520**	**4.1256**	**0.0598**	**4.1854**	**1.1141**	**0.0566**	**1.1707**		**5,375.4535**	**5,375.4535**	**0.1348**	**0.5093**	**5,530.6020**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205		1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**		**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1778	6.8690	2.1938	0.0254	0.8589	0.0411	0.8999	0.2474	0.0393	0.2867		2,683.3383	2,683.3383	9.2000e-003	0.3983	2,802.2529
Worker	1.5093	0.9934	10.8150	0.0253	3.2668	0.0168	3.2836	0.8668	0.0155	0.8822		2,557.8502	2,557.8502	0.1141	0.0964	2,589.4328
Total	**1.6871**	**7.8624**	**13.0088**	**0.0507**	**4.1256**	**0.0579**	**4.1835**	**1.1141**	**0.0548**	**1.1689**		**5,241.1886**	**5,241.1886**	**0.1233**	**0.4947**	**5,391.6857**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205	0.0000	1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**	**0.0000**	**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1778	6.8690	2.1938	0.0254	0.8589	0.0411	0.8999	0.2474	0.0393	0.2867		2,683.3383	2,683.3383	9.2000e-003	0.3983	2,802.2529
Worker	1.5093	0.9934	10.8150	0.0253	3.2668	0.0168	3.2836	0.8668	0.0155	0.8822		2,557.8502	2,557.8502	0.1141	0.0964	2,589.4328
Total	**1.6871**	**7.8624**	**13.0088**	**0.0507**	**4.1256**	**0.0579**	**4.1835**	**1.1141**	**0.0548**	**1.1689**		**5,241.1886**	**5,241.1886**	**0.1233**	**0.4947**	**5,391.6857**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.5 Paving - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7531	7.3819	11.7056	0.0178		0.3473	0.3473		0.3195	0.3195		1,718.9417	1,718.9417	0.5559		1,732.8402
Paving	0.2434					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9966**	**7.3819**	**11.7056**	**0.0178**		**0.3473**	**0.3473**		**0.3195**	**0.3195**		**1,718.9417**	**1,718.9417**	**0.5559**		**1,732.8402**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0359	0.0237	0.2575	6.0000e-004	0.0778	4.0000e-004	0.0782	0.0206	3.7000e-004	0.0210		60.9012	60.9012	2.7200e-003	2.3000e-003	61.6532
Total	**0.0359**	**0.0237**	**0.2575**	**6.0000e-004**	**0.0778**	**4.0000e-004**	**0.0782**	**0.0206**	**3.7000e-004**	**0.0210**		**60.9012**	**60.9012**	**2.7200e-003**	**2.3000e-003**	**61.6532**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7531	7.3819	11.7056	0.0178		0.3473	0.3473		0.3195	0.3195	0.0000	1,718.9417	1,718.9417	0.5559		1,732.8402
Paving	0.2434					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9966**	**7.3819**	**11.7056**	**0.0178**		**0.3473**	**0.3473**		**0.3195**	**0.3195**	**0.0000**	**1,718.9417**	**1,718.9417**	**0.5559**		**1,732.8402**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0359	0.0237	0.2575	6.0000e-004	0.0778	4.0000e-004	0.0782	0.0206	3.7000e-004	0.0210		60.9012	60.9012	2.7200e-003	2.3000e-003	61.6532
Total	**0.0359**	**0.0237**	**0.2575**	**6.0000e-004**	**0.0778**	**4.0000e-004**	**0.0782**	**0.0206**	**3.7000e-004**	**0.0210**		**60.9012**	**60.9012**	**2.7200e-003**	**2.3000e-003**	**61.6532**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.4659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758
Total	**69.6937**	**1.5273**	**2.4122**	**3.9600e-003**		**0.0687**	**0.0687**		**0.0687**	**0.0687**		**375.2641**	**375.2641**	**0.0205**		**375.7758**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3029	0.1994	2.1704	5.0800e-003	0.6556	3.3700e-003	0.6590	0.1739	3.1100e-003	0.1771		513.3101	513.3101	0.0229	0.0194	519.6481
Total	**0.3029**	**0.1994**	**2.1704**	**5.0800e-003**	**0.6556**	**3.3700e-003**	**0.6590**	**0.1739**	**3.1100e-003**	**0.1771**		**513.3101**	**513.3101**	**0.0229**	**0.0194**	**519.6481**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	69.4659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687	0.0000	375.2641	375.2641	0.0205		375.7758
Total	**69.6937**	**1.5273**	**2.4122**	**3.9600e-003**		**0.0687**	**0.0687**		**0.0687**	**0.0687**	**0.0000**	**375.2641**	**375.2641**	**0.0205**		**375.7758**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3029	0.1994	2.1704	5.0800e-003	0.6556	3.3700e-003	0.6590	0.1739	3.1100e-003	0.1771		513.3101	513.3101	0.0229	0.0194	519.6481
Total	**0.3029**	**0.1994**	**2.1704**	**5.0800e-003**	**0.6556**	**3.3700e-003**	**0.6590**	**0.1739**	**3.1100e-003**	**0.1771**		**513.3101**	**513.3101**	**0.0229**	**0.0194**	**519.6481**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	69.4659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687		375.2641	375.2641	0.0205		375.7758
Total	**69.6937**	**1.5273**	**2.4122**	**3.9600e-003**		**0.0687**	**0.0687**		**0.0687**	**0.0687**		**375.2641**	**375.2641**	**0.0205**		**375.7758**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2831	0.1804	2.0323	4.9200e-003	0.6556	3.1600e-003	0.6587	0.1739	2.9100e-003	0.1769		497.7019	497.7019	0.0209	0.0182	503.6489
Total	**0.2831**	**0.1804**	**2.0323**	**4.9200e-003**	**0.6556**	**3.1600e-003**	**0.6587**	**0.1739**	**2.9100e-003**	**0.1769**		**497.7019**	**497.7019**	**0.0209**	**0.0182**	**503.6489**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	69.4659					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2278	1.5273	2.4122	3.9600e-003		0.0687	0.0687		0.0687	0.0687	0.0000	375.2641	375.2641	0.0205		375.7758
Total	**69.6937**	**1.5273**	**2.4122**	**3.9600e-003**		**0.0687**	**0.0687**		**0.0687**	**0.0687**	**0.0000**	**375.2641**	**375.2641**	**0.0205**		**375.7758**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2831	0.1804	2.0323	4.9200e-003	0.6556	3.1600e-003	0.6587	0.1739	2.9100e-003	0.1769		497.7019	497.7019	0.0209	0.0182	503.6489
Total	**0.2831**	**0.1804**	**2.0323**	**4.9200e-003**	**0.6556**	**3.1600e-003**	**0.6587**	**0.1739**	**2.9100e-003**	**0.1769**		**497.7019**	**497.7019**	**0.0209**	**0.0182**	**503.6489**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.7 Trenching - 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	1.0603	9.1420	11.0898	0.0246		0.4121	0.4121		0.3791	0.3791		2,381.4785	2,381.4785	0.7702		2,400.7339
Total	**1.0603**	**9.1420**	**11.0898**	**0.0246**		**0.4121**	**0.4121**		**0.3791**	**0.3791**		**2,381.4785**	**2,381.4785**	**0.7702**		**2,400.7339**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0320	0.3015	5.9000e-004	0.0667	4.4000e-004	0.0671	0.0177	4.0000e-004	0.0181		59.5010	59.5010	3.4300e-003	2.6500e-003	60.3770
Total	**0.0415**	**0.0320**	**0.3015**	**5.9000e-004**	**0.0667**	**4.4000e-004**	**0.0671**	**0.0177**	**4.0000e-004**	**0.0181**		**59.5010**	**59.5010**	**3.4300e-003**	**2.6500e-003**	**60.3770**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0603	9.1420	11.0898	0.0246		0.4121	0.4121		0.3791	0.3791	0.0000	2,381.4785	2,381.4785	0.7702		2,400.7339
Total	**1.0603**	**9.1420**	**11.0898**	**0.0246**		**0.4121**	**0.4121**		**0.3791**	**0.3791**	**0.0000**	**2,381.4785**	**2,381.4785**	**0.7702**		**2,400.7339**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0415	0.0320	0.3015	5.9000e-004	0.0667	4.4000e-004	0.0671	0.0177	4.0000e-004	0.0181		59.5010	59.5010	3.4300e-003	2.6500e-003	60.3770
Total	**0.0415**	**0.0320**	**0.3015**	**5.9000e-004**	**0.0667**	**4.4000e-004**	**0.0671**	**0.0177**	**4.0000e-004**	**0.0181**		**59.5010**	**59.5010**	**3.4300e-003**	**2.6500e-003**	**60.3770**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

3.7 Trenching - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9953	8.1879	11.0089	0.0246		0.3564	0.3564		0.3279	0.3279		2,383.1471	2,383.1471	0.7708		2,402.4161
Total	**0.9953**	**8.1879**	**11.0089**	**0.0246**		**0.3564**	**0.3564**		**0.3279**	**0.3279**		**2,383.1471**	**2,383.1471**	**0.7708**		**2,402.4161**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0383	0.0283	0.2763	5.7000e-004	0.0667	4.1000e-004	0.0671	0.0177	3.8000e-004	0.0181		57.6446	57.6446	3.1100e-003	2.4400e-003	58.4505
Total	**0.0383**	**0.0283**	**0.2763**	**5.7000e-004**	**0.0667**	**4.1000e-004**	**0.0671**	**0.0177**	**3.8000e-004**	**0.0181**		**57.6446**	**57.6446**	**3.1100e-003**	**2.4400e-003**	**58.4505**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 8:47 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9953	8.1879	11.0089	0.0246		0.3564	0.3564		0.3279	0.3279	0.0000	2,383.1471	2,383.1471	0.7708		2,402.4161
Total	**0.9953**	**8.1879**	**11.0089**	**0.0246**		**0.3564**	**0.3564**		**0.3279**	**0.3279**	**0.0000**	**2,383.1471**	**2,383.1471**	**0.7708**		**2,402.4161**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0383	0.0283	0.2763	5.7000e-004	0.0667	4.1000e-004	0.0671	0.0177	3.8000e-004	0.0181		57.6446	57.6446	3.1100e-003	2.4400e-003	58.4505
Total	**0.0383**	**0.0283**	**0.2763**	**5.7000e-004**	**0.0667**	**4.1000e-004**	**0.0671**	**0.0177**	**3.8000e-004**	**0.0181**		**57.6446**	**57.6446**	**3.1100e-003**	**2.4400e-003**	**58.4505**

Construction (Phase 2)

Annual Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Valley's Edge Specific Plan Project - Construction (Phase 2)

Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	108.00	1000sqft	0.00	108,000.00	0
Other Asphalt Surfaces	16.66	Acre	16.66	725,709.60	0
Health Club	11.52	1000sqft	0.00	11,520.00	0
Apartments Low Rise	293.00	Dwelling Unit	0.00	467,201.00	838
Apartments Mid Rise	97.00	Dwelling Unit	0.00	87,700.00	277
Single Family Housing	84.00	Dwelling Unit	0.00	289,175.00	240
Single Family Housing	630.00	Dwelling Unit	99.28	1,385,171.00	1802
Free-Standing Discount store	7.20	1000sqft	0.00	7,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Land Use - Phase 2: VLDR: 73 du, LDR: 250 du, MDR: 93 du, MHDR: 97 du, Senior VLDR: 11, Senior LDR: 380 du, Senior MDR: 200 du, Office: 108 ksf, Retail: 7.2 ksf, Clubhouses: 11.52 ksf, Paving: 16.66 acres. 99.28 Acre site.

Construction Phase - Construction would occur between 4/1/2027 to 10/30/2033.

Off-road Equipment - Defualt equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated disturbed acres.

Trips and VMT - Default trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	220.00	221.00
tblConstructionPhase	NumDays	3,100.00	900.00
tblConstructionPhase	NumDays	310.00	221.00
tblConstructionPhase	NumDays	220.00	221.00
tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	6/18/2042	10/28/2033
tblConstructionPhase	PhaseEndDate	10/10/2040	12/23/2032

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

tblConstructionPhase	PhaseEndDate	11/22/2028	4/5/2028
tblConstructionPhase	PhaseEndDate	8/14/2041	10/28/2033
tblConstructionPhase	PhaseEndDate	9/15/2027	6/1/2027
tblConstructionPhase	PhaseStartDate	8/15/2041	12/24/2032
tblConstructionPhase	PhaseStartDate	11/23/2028	7/13/2029
tblConstructionPhase	PhaseStartDate	9/16/2027	6/2/2027
tblConstructionPhase	PhaseStartDate	10/11/2040	12/24/2032
tblGrading	AcresOfGrading	773.50	99.28
tblGrading	AcresOfGrading	22.00	99.28
tblLandUse	LandUseSquareFeet	293,000.00	467,201.00
tblLandUse	LandUseSquareFeet	97,000.00	87,700.00
tblLandUse	LandUseSquareFeet	151,200.00	289,175.00
tblLandUse	LandUseSquareFeet	1,134,000.00	1,385,171.00
tblLandUse	LotAcreage	2.48	0.00
tblLandUse	LotAcreage	0.26	0.00
tblLandUse	LotAcreage	18.31	0.00
tblLandUse	LotAcreage	2.55	0.00
tblLandUse	LotAcreage	27.27	0.00
tblLandUse	LotAcreage	204.55	99.28
tblLandUse	LotAcreage	0.17	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	PhaseName		Trenching

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.3610	3.1242	3.0622	8.1000e-003	0.7113	0.1253	0.8366	0.3408	0.1153	0.4561	0.0000	711.7864	711.7864	0.2275	3.1000e-004	717.5664
2028	0.2386	1.9462	2.3608	5.7900e-003	0.2676	0.0779	0.3455	0.1209	0.0717	0.1926	0.0000	508.9038	508.9038	0.1625	2.3000e-004	513.0355
2029	0.2435	1.5097	2.3887	7.3800e-003	0.4195	0.0389	0.4584	0.1137	0.0359	0.1495	0.0000	677.0982	677.0982	0.0760	0.0420	691.5016
2030	0.3729	1.9846	3.4151	0.0121	0.8896	0.0187	0.9083	0.2410	0.0181	0.2592	0.0000	1,123.9113	1,123.9113	0.0231	0.0875	1,150.5745
2031	0.3514	1.9608	3.3214	0.0119	0.8896	0.0184	0.9080	0.2410	0.0178	0.2589	0.0000	1,105.0301	1,105.0301	0.0219	0.0857	1,131.1236
2032	0.5345	1.9256	3.2366	0.0116	0.8760	0.0185	0.8945	0.2374	0.0180	0.2553	0.0000	1,076.3849	1,076.3849	0.0208	0.0827	1,101.5380
2033	7.4088	0.7719	1.9082	3.6400e-003	0.1247	0.0283	0.1530	0.0332	0.0283	0.0615	0.0000	317.4995	317.4995	0.0130	2.3300e-003	318.5166
Maximum	**7.4088**	**3.1242**	**3.4151**	**0.0121**	**0.8896**	**0.1253**	**0.9083**	**0.3408**	**0.1153**	**0.4561**	**0.0000**	**1,123.9113**	**1,123.9113**	**0.2275**	**0.0875**	**1,150.5745**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2027	0.3610	3.1242	3.0622	8.1000e-003	0.3271	0.1253	0.4524	0.1553	0.1153	0.2706	0.0000	711.7856	711.7856	0.2275	3.1000e-004	717.5656
2028	0.2386	1.9462	2.3608	5.7900e-003	0.1260	0.0779	0.2039	0.0559	0.0717	0.1276	0.0000	508.9032	508.9032	0.1625	2.3000e-004	513.0349
2029	0.2435	1.5097	2.3887	7.3800e-003	0.4195	0.0389	0.4584	0.1137	0.0359	0.1495	0.0000	677.0979	677.0979	0.0760	0.0420	691.5014
2030	0.3729	1.9846	3.4151	0.0121	0.8896	0.0187	0.9083	0.2410	0.0181	0.2592	0.0000	1,123.9111	1,123.9111	0.0231	0.0875	1,150.5743
2031	0.3514	1.9608	3.3214	0.0119	0.8896	0.0184	0.9080	0.2410	0.0178	0.2589	0.0000	1,105.0299	1,105.0299	0.0219	0.0857	1,131.1234
2032	0.5345	1.9256	3.2366	0.0116	0.8760	0.0185	0.8945	0.2374	0.0180	0.2553	0.0000	1,076.3847	1,076.3847	0.0208	0.0827	1,101.5378
2033	7.4088	0.7719	1.9082	3.6400e-003	0.1247	0.0283	0.1530	0.0332	0.0283	0.0615	0.0000	317.4992	317.4992	0.0130	2.3300e-003	318.5163
Maximum	**7.4088**	**3.1242**	**3.4151**	**0.0121**	**0.8896**	**0.1253**	**0.9083**	**0.2410**	**0.1153**	**0.2706**	**0.0000**	**1,123.9111**	**1,123.9111**	**0.2275**	**0.0875**	**1,150.5743**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**12.58**	**0.00**	**11.67**	**18.87**	**0.00**	**15.35**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2027	6/1/2027	5	44	
2	Grading	Grading	6/2/2027	4/5/2028	5	221	
3	Building Construction	Building Construction	7/13/2029	12/23/2032	5	900	
4	Paving	Paving	12/24/2032	10/28/2033	5	221	
5	Architectural Coating	Architectural Coating	12/24/2032	10/28/2033	5	221	
6	Trenching	Trenching	6/2/2027	7/12/2029	5	552	

Acres of Grading (Site Preparation Phase): 99.28

Acres of Grading (Grading Phase): 99.28

Acres of Paving: 16.66

Residential Indoor: 4,514,225; Residential Outdoor: 1,504,742; Non-Residential Indoor: 190,080; Non-Residential Outdoor: 63,360; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Trenching	Excavators	1	8.00	158	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	204.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1,020.00	258.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1851	0.0000	0.1851	0.0785	0.0000	0.0785	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.2093	0.1364	4.8000e-004		8.6500e-003	8.6500e-003		7.9600e-003	7.9600e-003	0.0000	42.1721	42.1721	0.0136	0.0000	42.5131
Total	**0.0248**	**0.2093**	**0.1364**	**4.8000e-004**	**0.1851**	**8.6500e-003**	**0.1938**	**0.0785**	**7.9600e-003**	**0.0865**	**0.0000**	**42.1721**	**42.1721**	**0.0136**	**0.0000**	**42.5131**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.3000e-004	3.6000e-004	4.4300e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0395	1.0395	4.0000e-005	3.0000e-005	1.0506
Total	**6.3000e-004**	**3.6000e-004**	**4.4300e-003**	**1.0000e-005**	**1.4000e-003**	**1.0000e-005**	**1.4100e-003**	**3.7000e-004**	**1.0000e-005**	**3.8000e-004**	**0.0000**	**1.0395**	**1.0395**	**4.0000e-005**	**3.0000e-005**	**1.0506**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0833	0.0000	0.0833	0.0353	0.0000	0.0353	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0248	0.2093	0.1364	4.8000e-004		8.6500e-003	8.6500e-003		7.9600e-003	7.9600e-003	0.0000	42.1720	42.1720	0.0136	0.0000	42.5130
Total	**0.0248**	**0.2093**	**0.1364**	**4.8000e-004**	**0.0833**	**8.6500e-003**	**0.0920**	**0.0353**	**7.9600e-003**	**0.0433**	**0.0000**	**42.1720**	**42.1720**	**0.0136**	**0.0000**	**42.5130**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.3000e-004	3.6000e-004	4.4300e-003	1.0000e-005	1.4000e-003	1.0000e-005	1.4100e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0395	1.0395	4.0000e-005	3.0000e-005	1.0506
Total	**6.3000e-004**	**3.6000e-004**	**4.4300e-003**	**1.0000e-005**	**1.4000e-003**	**1.0000e-005**	**1.4100e-003**	**3.7000e-004**	**1.0000e-005**	**3.8000e-004**	**0.0000**	**1.0395**	**1.0395**	**4.0000e-005**	**3.0000e-005**	**1.0506**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.5133	0.0000	0.5133	0.2589	0.0000	0.2589	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2607	2.3940	2.0502	5.6300e-003		0.0959	0.0959		0.0882	0.0882	0.0000	494.2355	494.2355	0.1599	0.0000	498.2317
Total	**0.2607**	**2.3940**	**2.0502**	**5.6300e-003**	**0.5133**	**0.0959**	**0.6092**	**0.2589**	**0.0882**	**0.3472**	**0.0000**	**494.2355**	**494.2355**	**0.1599**	**0.0000**	**498.2317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.3000e-003	1.8700e-003	0.0231	6.0000e-005	7.3300e-003	4.0000e-005	7.3600e-003	1.9500e-003	3.0000e-005	1.9800e-003	0.0000	5.4220	5.4220	2.0000e-004	1.8000e-004	5.4801
Total	**3.3000e-003**	**1.8700e-003**	**0.0231**	**6.0000e-005**	**7.3300e-003**	**4.0000e-005**	**7.3600e-003**	**1.9500e-003**	**3.0000e-005**	**1.9800e-003**	**0.0000**	**5.4220**	**5.4220**	**2.0000e-004**	**1.8000e-004**	**5.4801**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2310	0.0000	0.2310	0.1165	0.0000	0.1165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2607	2.3940	2.0502	5.6300e-003		0.0959	0.0959		0.0882	0.0882	0.0000	494.2349	494.2349	0.1599	0.0000	498.2311
Total	**0.2607**	**2.3940**	**2.0502**	**5.6300e-003**	**0.2310**	**0.0959**	**0.3269**	**0.1165**	**0.0882**	**0.2047**	**0.0000**	**494.2349**	**494.2349**	**0.1599**	**0.0000**	**498.2311**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.3000e-003	1.8700e-003	0.0231	6.0000e-005	7.3300e-003	4.0000e-005	7.3600e-003	1.9500e-003	3.0000e-005	1.9800e-003	0.0000	5.4220	5.4220	2.0000e-004	1.8000e-004	5.4801
Total	**3.3000e-003**	**1.8700e-003**	**0.0231**	**6.0000e-005**	**7.3300e-003**	**4.0000e-005**	**7.3600e-003**	**1.9500e-003**	**3.0000e-005**	**1.9800e-003**	**0.0000**	**5.4220**	**5.4220**	**2.0000e-004**	**1.8000e-004**	**5.4801**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.3 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2574	0.0000	0.2574	0.1182	0.0000	0.1182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1159	1.0640	0.9112	2.5000e-003		0.0426	0.0426		0.0392	0.0392	0.0000	219.6602	219.6602	0.0710	0.0000	221.4363
Total	**0.1159**	**1.0640**	**0.9112**	**2.5000e-003**	**0.2574**	**0.0426**	**0.3000**	**0.1182**	**0.0392**	**0.1574**	**0.0000**	**219.6602**	**219.6602**	**0.0710**	**0.0000**	**221.4363**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.3700e-003	7.6000e-004	9.6700e-003	3.0000e-005	3.2600e-003	2.0000e-005	3.2700e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.3409	2.3409	8.0000e-005	7.0000e-005	2.3652
Total	**1.3700e-003**	**7.6000e-004**	**9.6700e-003**	**3.0000e-005**	**3.2600e-003**	**2.0000e-005**	**3.2700e-003**	**8.7000e-004**	**1.0000e-005**	**8.8000e-004**	**0.0000**	**2.3409**	**2.3409**	**8.0000e-005**	**7.0000e-005**	**2.3652**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1158	0.0000	0.1158	0.0532	0.0000	0.0532	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1159	1.0640	0.9112	2.5000e-003		0.0426	0.0426		0.0392	0.0392	0.0000	219.6600	219.6600	0.0710	0.0000	221.4360
Total	**0.1159**	**1.0640**	**0.9112**	**2.5000e-003**	**0.1158**	**0.0426**	**0.1585**	**0.0532**	**0.0392**	**0.0924**	**0.0000**	**219.6600**	**219.6600**	**0.0710**	**0.0000**	**221.4360**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.3700e-003	7.6000e-004	9.6700e-003	3.0000e-005	3.2600e-003	2.0000e-005	3.2700e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.3409	2.3409	8.0000e-005	7.0000e-005	2.3652
Total	**1.3700e-003**	**7.6000e-004**	**9.6700e-003**	**3.0000e-005**	**3.2600e-003**	**2.0000e-005**	**3.2700e-003**	**8.7000e-004**	**1.0000e-005**	**8.8000e-004**	**0.0000**	**2.3409**	**2.3409**	**8.0000e-005**	**7.0000e-005**	**2.3652**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0320	0.3127	0.4795	6.6000e-004		0.0146	0.0146		0.0135	0.0135	0.0000	58.0058	58.0058	0.0188	0.0000	58.4748
Total	**0.0320**	**0.3127**	**0.4795**	**6.6000e-004**		**0.0146**	**0.0146**		**0.0135**	**0.0135**	**0.0000**	**58.0058**	**58.0058**	**0.0188**	**0.0000**	**58.4748**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0174	0.6554	0.2111	2.4500e-003	0.0847	3.9400e-003	0.0887	0.0245	3.7600e-003	0.0283	0.0000	234.1805	234.1805	8.1000e-004	0.0346	244.5227
Worker	0.1294	0.0705	0.9290	2.5300e-003	0.3311	1.4500e-003	0.3325	0.0881	1.3400e-003	0.0895	0.0000	231.6006	231.6006	7.6300e-003	7.2400e-003	233.9480
Total	**0.1467**	**0.7259**	**1.1400**	**4.9800e-003**	**0.4158**	**5.3900e-003**	**0.4212**	**0.1127**	**5.1000e-003**	**0.1178**	**0.0000**	**465.7811**	**465.7811**	**8.4400e-003**	**0.0419**	**478.4707**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0320	0.3127	0.4795	6.6000e-004		0.0146	0.0146		0.0135	0.0135	0.0000	58.0057	58.0057	0.0188	0.0000	58.4747
Total	**0.0320**	**0.3127**	**0.4795**	**6.6000e-004**		**0.0146**	**0.0146**		**0.0135**	**0.0135**	**0.0000**	**58.0057**	**58.0057**	**0.0188**	**0.0000**	**58.4747**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0174	0.6554	0.2111	2.4500e-003	0.0847	3.9400e-003	0.0887	0.0245	3.7600e-003	0.0283	0.0000	234.1805	234.1805	8.1000e-004	0.0346	244.5227
Worker	0.1294	0.0705	0.9290	2.5300e-003	0.3311	1.4500e-003	0.3325	0.0881	1.3400e-003	0.0895	0.0000	231.6006	231.6006	7.6300e-003	7.2400e-003	233.9480
Total	**0.1467**	**0.7259**	**1.1400**	**4.9800e-003**	**0.4158**	**5.3900e-003**	**0.4212**	**0.1127**	**5.1000e-003**	**0.1178**	**0.0000**	**465.7811**	**465.7811**	**8.4400e-003**	**0.0419**	**478.4707**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0797	0.4594	1.0790	1.7300e-003		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003	0.0000	148.5396	148.5396	6.3800e-003	0.0000	148.6992
Total	**0.0797**	**0.4594**	**1.0790**	**1.7300e-003**		**7.5400e-003**	**7.5400e-003**		**7.5400e-003**	**7.5400e-003**	**0.0000**	**148.5396**	**148.5396**	**6.3800e-003**	**0.0000**	**148.6992**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0365	1.3870	0.4479	5.1400e-003	0.1813	8.2700e-003	0.1896	0.0525	7.9100e-003	0.0604	0.0000	492.2469	492.2469	1.7000e-003	0.0728	513.9691
Worker	0.2567	0.1382	1.8882	5.2700e-003	0.7083	2.9000e-003	0.7112	0.1886	2.6700e-003	0.1912	0.0000	483.1247	483.1247	0.0150	0.0148	487.9061
Total	**0.2932**	**1.5251**	**2.3361**	**0.0104**	**0.8896**	**0.0112**	**0.9007**	**0.2410**	**0.0106**	**0.2516**	**0.0000**	**975.3717**	**975.3717**	**0.0167**	**0.0875**	**1,001.8752**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0797	0.4594	1.0790	1.7300e-003		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003	0.0000	148.5395	148.5395	6.3800e-003	0.0000	148.6991
Total	**0.0797**	**0.4594**	**1.0790**	**1.7300e-003**		**7.5400e-003**	**7.5400e-003**		**7.5400e-003**	**7.5400e-003**	**0.0000**	**148.5395**	**148.5395**	**6.3800e-003**	**0.0000**	**148.6991**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0365	1.3870	0.4479	5.1400e-003	0.1813	8.2700e-003	0.1896	0.0525	7.9100e-003	0.0604	0.0000	492.2469	492.2469	1.7000e-003	0.0728	513.9691
Worker	0.2567	0.1382	1.8882	5.2700e-003	0.7083	2.9000e-003	0.7112	0.1886	2.6700e-003	0.1912	0.0000	483.1247	483.1247	0.0150	0.0148	487.9061
Total	**0.2932**	**1.5251**	**2.3361**	**0.0104**	**0.8896**	**0.0112**	**0.9007**	**0.2410**	**0.0106**	**0.2516**	**0.0000**	**975.3717**	**975.3717**	**0.0167**	**0.0875**	**1,001.8752**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0797	0.4594	1.0790	1.7300e-003		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003	0.0000	148.5396	148.5396	6.3800e-003	0.0000	148.6992
Total	**0.0797**	**0.4594**	**1.0790**	**1.7300e-003**		**7.5400e-003**	**7.5400e-003**		**7.5400e-003**	**7.5400e-003**	**0.0000**	**148.5396**	**148.5396**	**6.3800e-003**	**0.0000**	**148.6992**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0359	1.3749	0.4453	5.0600e-003	0.1813	8.1500e-003	0.1894	0.0525	7.7900e-003	0.0603	0.0000	484.5100	484.5100	1.6800e-003	0.0716	505.8811
Worker	0.2358	0.1264	1.7971	5.1500e-003	0.7083	2.7000e-003	0.7110	0.1886	2.4800e-003	0.1910	0.0000	471.9804	471.9804	0.0138	0.0142	476.5433
Total	**0.2717**	**1.5013**	**2.2424**	**0.0102**	**0.8896**	**0.0109**	**0.9004**	**0.2410**	**0.0103**	**0.2513**	**0.0000**	**956.4905**	**956.4905**	**0.0155**	**0.0857**	**982.4243**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0797	0.4594	1.0790	1.7300e-003		7.5400e-003	7.5400e-003		7.5400e-003	7.5400e-003	0.0000	148.5395	148.5395	6.3800e-003	0.0000	148.6991
Total	**0.0797**	**0.4594**	**1.0790**	**1.7300e-003**		**7.5400e-003**	**7.5400e-003**		**7.5400e-003**	**7.5400e-003**	**0.0000**	**148.5395**	**148.5395**	**6.3800e-003**	**0.0000**	**148.6991**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0359	1.3749	0.4453	5.0600e-003	0.1813	8.1500e-003	0.1894	0.0525	7.7900e-003	0.0603	0.0000	484.5100	484.5100	1.6800e-003	0.0716	505.8811
Worker	0.2358	0.1264	1.7971	5.1500e-003	0.7083	2.7000e-003	0.7110	0.1886	2.4800e-003	0.1910	0.0000	471.9804	471.9804	0.0138	0.0142	476.5433
Total	**0.2717**	**1.5013**	**2.2424**	**0.0102**	**0.8896**	**0.0109**	**0.9004**	**0.2410**	**0.0103**	**0.2513**	**0.0000**	**956.4905**	**956.4905**	**0.0155**	**0.0857**	**982.4243**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0782	0.4506	1.0584	1.7000e-003		7.3900e-003	7.3900e-003		7.3900e-003	7.3900e-003	0.0000	145.6940	145.6940	6.2600e-003	0.0000	145.8506
Total	**0.0782**	**0.4506**	**1.0584**	**1.7000e-003**		**7.3900e-003**	**7.3900e-003**		**7.3900e-003**	**7.3900e-003**	**0.0000**	**145.6940**	**145.6940**	**6.2600e-003**	**0.0000**	**145.8506**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0347	1.3383	0.4355	4.9000e-003	0.1778	7.8800e-003	0.1857	0.0515	7.5400e-003	0.0590	0.0000	468.5694	468.5694	1.6300e-003	0.0692	489.2325
Worker	0.2147	0.1151	1.6892	4.9400e-003	0.6947	2.4700e-003	0.6972	0.1849	2.2700e-003	0.1872	0.0000	453.2175	453.2175	0.0126	0.0134	457.5219
Total	**0.2494**	**1.4534**	**2.1247**	**9.8400e-003**	**0.8725**	**0.0104**	**0.8829**	**0.2364**	**9.8100e-003**	**0.2462**	**0.0000**	**921.7869**	**921.7869**	**0.0142**	**0.0826**	**946.7544**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0782	0.4506	1.0584	1.7000e-003		7.3900e-003	7.3900e-003		7.3900e-003	7.3900e-003	0.0000	145.6939	145.6939	6.2600e-003	0.0000	145.8504
Total	**0.0782**	**0.4506**	**1.0584**	**1.7000e-003**		**7.3900e-003**	**7.3900e-003**		**7.3900e-003**	**7.3900e-003**	**0.0000**	**145.6939**	**145.6939**	**6.2600e-003**	**0.0000**	**145.8504**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0347	1.3383	0.4355	4.9000e-003	0.1778	7.8800e-003	0.1857	0.0515	7.5400e-003	0.0590	0.0000	468.5694	468.5694	1.6300e-003	0.0692	489.2325
Worker	0.2147	0.1151	1.6892	4.9400e-003	0.6947	2.4700e-003	0.6972	0.1849	2.2700e-003	0.1872	0.0000	453.2175	453.2175	0.0126	0.0134	457.5219
Total	**0.2494**	**1.4534**	**2.1247**	**9.8400e-003**	**0.8725**	**0.0104**	**0.8829**	**0.2364**	**9.8100e-003**	**0.2462**	**0.0000**	**921.7869**	**921.7869**	**0.0142**	**0.0826**	**946.7544**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.5 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.2100e-003	0.0176	0.0379	7.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	5.6124	5.6124	2.6000e-004	0.0000	5.6189
Paving	5.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8000e-003**	**0.0176**	**0.0379**	**7.0000e-005**		**7.0000e-004**	**7.0000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**5.6124**	**5.6124**	**2.6000e-004**	**0.0000**	**5.6189**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	7.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1458	0.1458	0.0000	0.0000	0.1472
Total	**7.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1458**	**0.1458**	**0.0000**	**0.0000**	**0.1472**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.2100e-003	0.0176	0.0379	7.0000e-005		7.0000e-004	7.0000e-004		7.0000e-004	7.0000e-004	0.0000	5.6124	5.6124	2.6000e-004	0.0000	5.6189
Paving	5.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.8000e-003**	**0.0176**	**0.0379**	**7.0000e-005**		**7.0000e-004**	**7.0000e-004**		**7.0000e-004**	**7.0000e-004**	**0.0000**	**5.6124**	**5.6124**	**2.6000e-004**	**0.0000**	**5.6189**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	7.0000e-005	4.0000e-005	5.4000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1458	0.1458	0.0000	0.0000	0.1472
Total	**7.0000e-005**	**4.0000e-005**	**5.4000e-004**	**0.0000**	**2.2000e-004**	**0.0000**	**2.2000e-004**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**0.1458**	**0.1458**	**0.0000**	**0.0000**	**0.1472**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.5 Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1150	0.6299	1.3592	2.3400e-003		0.0250	0.0250		0.0250	0.0250	0.0000	201.1100	201.1100	9.3700e-003	0.0000	201.3442
Paving	0.0212					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1362**	**0.6299**	**1.3592**	**2.3400e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**	**0.0000**	**201.1100**	**201.1100**	**9.3700e-003**	**0.0000**	**201.3442**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.2900e-003	1.2400e-003	0.0187	6.0000e-005	8.0100e-003	3.0000e-005	8.0300e-003	2.1300e-003	2.0000e-005	2.1600e-003	0.0000	5.1243	5.1243	1.3000e-004	1.5000e-004	5.1722
Total	**2.2900e-003**	**1.2400e-003**	**0.0187**	**6.0000e-005**	**8.0100e-003**	**3.0000e-005**	**8.0300e-003**	**2.1300e-003**	**2.0000e-005**	**2.1600e-003**	**0.0000**	**5.1243**	**5.1243**	**1.3000e-004**	**1.5000e-004**	**5.1722**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1150	0.6299	1.3592	2.3400e-003		0.0250	0.0250		0.0250	0.0250	0.0000	201.1097	201.1097	9.3700e-003	0.0000	201.3440
Paving	0.0212					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.1362**	**0.6299**	**1.3592**	**2.3400e-003**		**0.0250**	**0.0250**		**0.0250**	**0.0250**	**0.0000**	**201.1097**	**201.1097**	**9.3700e-003**	**0.0000**	**201.3440**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.2900e-003	1.2400e-003	0.0187	6.0000e-005	8.0100e-003	3.0000e-005	8.0300e-003	2.1300e-003	2.0000e-005	2.1600e-003	0.0000	5.1243	5.1243	1.3000e-004	1.5000e-004	5.1722
Total	**2.2900e-003**	**1.2400e-003**	**0.0187**	**6.0000e-005**	**8.0100e-003**	**3.0000e-005**	**8.0300e-003**	**2.1300e-003**	**2.0000e-005**	**2.1600e-003**	**0.0000**	**5.1243**	**5.1243**	**1.3000e-004**	**1.5000e-004**	**5.1722**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2014					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-004	3.4300e-003	7.1900e-003	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0213	1.0213	4.0000e-005	0.0000	1.0223
Total	**0.2020**	**3.4300e-003**	**7.1900e-003**	**1.0000e-005**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**	**0.0000**	**1.0213**	**1.0213**	**4.0000e-005**	**0.0000**	**1.0223**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0100e-003	5.4000e-004	7.9200e-003	2.0000e-005	3.2600e-003	1.0000e-005	3.2700e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.1245	2.1245	6.0000e-005	6.0000e-005	2.1446
Total	**1.0100e-003**	**5.4000e-004**	**7.9200e-003**	**2.0000e-005**	**3.2600e-003**	**1.0000e-005**	**3.2700e-003**	**8.7000e-004**	**1.0000e-005**	**8.8000e-004**	**0.0000**	**2.1245**	**2.1245**	**6.0000e-005**	**6.0000e-005**	**2.1446**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2014					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.2000e-004	3.4300e-003	7.1900e-003	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.0213	1.0213	4.0000e-005	0.0000	1.0223
Total	**0.2020**	**3.4300e-003**	**7.1900e-003**	**1.0000e-005**		**8.0000e-005**	**8.0000e-005**		**8.0000e-005**	**8.0000e-005**	**0.0000**	**1.0213**	**1.0213**	**4.0000e-005**	**0.0000**	**1.0223**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0100e-003	5.4000e-004	7.9200e-003	2.0000e-005	3.2600e-003	1.0000e-005	3.2700e-003	8.7000e-004	1.0000e-005	8.8000e-004	0.0000	2.1245	2.1245	6.0000e-005	6.0000e-005	2.1446
Total	**1.0100e-003**	**5.4000e-004**	**7.9200e-003**	**2.0000e-005**	**3.2600e-003**	**1.0000e-005**	**3.2700e-003**	**8.7000e-004**	**1.0000e-005**	**8.8000e-004**	**0.0000**	**2.1245**	**2.1245**	**6.0000e-005**	**6.0000e-005**	**2.1446**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	7.2181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0187	0.1227	0.2577	4.3000e-004		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	36.5966	36.5966	1.4800e-003	0.0000	36.6337
Total	**7.2368**	**0.1227**	**0.2577**	**4.3000e-004**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**	**0.0000**	**36.5966**	**36.5966**	**1.4800e-003**	**0.0000**	**36.6337**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0334	0.0180	0.2727	8.1000e-004	0.1167	3.9000e-004	0.1171	0.0311	3.6000e-004	0.0314	0.0000	74.6686	74.6686	1.9600e-003	2.1800e-003	75.3665
Total	**0.0334**	**0.0180**	**0.2727**	**8.1000e-004**	**0.1167**	**3.9000e-004**	**0.1171**	**0.0311**	**3.6000e-004**	**0.0314**	**0.0000**	**74.6686**	**74.6686**	**1.9600e-003**	**2.1800e-003**	**75.3665**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2181					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0187	0.1227	0.2577	4.3000e-004		2.9100e-003	2.9100e-003		2.9100e-003	2.9100e-003	0.0000	36.5966	36.5966	1.4800e-003	0.0000	36.6336
Total	**7.2368**	**0.1227**	**0.2577**	**4.3000e-004**		**2.9100e-003**	**2.9100e-003**		**2.9100e-003**	**2.9100e-003**	**0.0000**	**36.5966**	**36.5966**	**1.4800e-003**	**0.0000**	**36.6336**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0334	0.0180	0.2727	8.1000e-004	0.1167	3.9000e-004	0.1171	0.0311	3.6000e-004	0.0314	0.0000	74.6686	74.6686	1.9600e-003	2.1800e-003	75.3665
Total	**0.0334**	**0.0180**	**0.2727**	**8.1000e-004**	**0.1167**	**3.9000e-004**	**0.1171**	**0.0311**	**3.6000e-004**	**0.0314**	**0.0000**	**74.6686**	**74.6686**	**1.9600e-003**	**2.1800e-003**	**75.3665**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.7 Trenching - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0697	0.5177	0.8353	1.8900e-003		0.0207	0.0207		0.0191	0.0191	0.0000	165.9051	165.9051	0.0537	0.0000	167.2465
Total	**0.0697**	**0.5177**	**0.8353**	**1.8900e-003**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**165.9051**	**165.9051**	**0.0537**	**0.0000**	**167.2465**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.8300e-003	1.0400e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.0122	3.0122	1.1000e-004	1.0000e-004	3.0445
Total	**1.8300e-003**	**1.0400e-003**	**0.0128**	**3.0000e-005**	**4.0700e-003**	**2.0000e-005**	**4.0900e-003**	**1.0800e-003**	**2.0000e-005**	**1.1000e-003**	**0.0000**	**3.0122**	**3.0122**	**1.1000e-004**	**1.0000e-004**	**3.0445**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0697	0.5177	0.8353	1.8900e-003		0.0207	0.0207		0.0191	0.0191	0.0000	165.9049	165.9049	0.0537	0.0000	167.2463
Total	**0.0697**	**0.5177**	**0.8353**	**1.8900e-003**		**0.0207**	**0.0207**		**0.0191**	**0.0191**	**0.0000**	**165.9049**	**165.9049**	**0.0537**	**0.0000**	**167.2463**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.8300e-003	1.0400e-003	0.0128	3.0000e-005	4.0700e-003	2.0000e-005	4.0900e-003	1.0800e-003	2.0000e-005	1.1000e-003	0.0000	3.0122	3.0122	1.1000e-004	1.0000e-004	3.0445
Total	**1.8300e-003**	**1.0400e-003**	**0.0128**	**3.0000e-005**	**4.0700e-003**	**2.0000e-005**	**4.0900e-003**	**1.0800e-003**	**2.0000e-005**	**1.1000e-003**	**0.0000**	**3.0122**	**3.0122**	**1.1000e-004**	**1.0000e-004**	**3.0445**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.7 Trenching - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1184	0.8798	1.4194	3.2100e-003		0.0352	0.0352		0.0324	0.0324	0.0000	281.9302	281.9302	0.0912	0.0000	284.2098
Total	**0.1184**	**0.8798**	**1.4194**	**3.2100e-003**		**0.0352**	**0.0352**		**0.0324**	**0.0324**	**0.0000**	**281.9302**	**281.9302**	**0.0912**	**0.0000**	**284.2098**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.9100e-003	1.6100e-003	0.0205	5.0000e-005	6.9200e-003	3.0000e-005	6.9500e-003	1.8400e-003	3.0000e-005	1.8700e-003	0.0000	4.9724	4.9724	1.7000e-004	1.6000e-004	5.0242
Total	**2.9100e-003**	**1.6100e-003**	**0.0205**	**5.0000e-005**	**6.9200e-003**	**3.0000e-005**	**6.9500e-003**	**1.8400e-003**	**3.0000e-005**	**1.8700e-003**	**0.0000**	**4.9724**	**4.9724**	**1.7000e-004**	**1.6000e-004**	**5.0242**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1184	0.8798	1.4194	3.2100e-003		0.0352	0.0352		0.0324	0.0324	0.0000	281.9299	281.9299	0.0912	0.0000	284.2094
Total	**0.1184**	**0.8798**	**1.4194**	**3.2100e-003**		**0.0352**	**0.0352**		**0.0324**	**0.0324**	**0.0000**	**281.9299**	**281.9299**	**0.0912**	**0.0000**	**284.2094**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.9100e-003	1.6100e-003	0.0205	5.0000e-005	6.9200e-003	3.0000e-005	6.9500e-003	1.8400e-003	3.0000e-005	1.8700e-003	0.0000	4.9724	4.9724	1.7000e-004	1.6000e-004	5.0242
Total	**2.9100e-003**	**1.6100e-003**	**0.0205**	**5.0000e-005**	**6.9200e-003**	**3.0000e-005**	**6.9500e-003**	**1.8400e-003**	**3.0000e-005**	**1.8700e-003**	**0.0000**	**4.9724**	**4.9724**	**1.7000e-004**	**1.6000e-004**	**5.0242**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

3.7 Trenching - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0633	0.4703	0.7588	1.7200e-003		0.0188	0.0188		0.0173	0.0173	0.0000	150.7242	150.7242	0.0488	0.0000	151.9429
Total	**0.0633**	**0.4703**	**0.7588**	**1.7200e-003**		**0.0188**	**0.0188**		**0.0173**	**0.0173**	**0.0000**	**150.7242**	**150.7242**	**0.0488**	**0.0000**	**151.9429**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.4400e-003	7.9000e-004	0.0104	3.0000e-005	3.7000e-003	2.0000e-005	3.7100e-003	9.8000e-004	1.0000e-005	1.0000e-003	0.0000	2.5870	2.5870	9.0000e-005	8.0000e-005	2.6132
Total	**1.4400e-003**	**7.9000e-004**	**0.0104**	**3.0000e-005**	**3.7000e-003**	**2.0000e-005**	**3.7100e-003**	**9.8000e-004**	**1.0000e-005**	**1.0000e-003**	**0.0000**	**2.5870**	**2.5870**	**9.0000e-005**	**8.0000e-005**	**2.6132**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:56 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0633	0.4703	0.7588	1.7200e-003		0.0188	0.0188		0.0173	0.0173	0.0000	150.7241	150.7241	0.0488	0.0000	151.9427
Total	**0.0633**	**0.4703**	**0.7588**	**1.7200e-003**		**0.0188**	**0.0188**		**0.0173**	**0.0173**	**0.0000**	**150.7241**	**150.7241**	**0.0488**	**0.0000**	**151.9427**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.4400e-003	7.9000e-004	0.0104	3.0000e-005	3.7000e-003	2.0000e-005	3.7100e-003	9.8000e-004	1.0000e-005	1.0000e-003	0.0000	2.5870	2.5870	9.0000e-005	8.0000e-005	2.6132
Total	**1.4400e-003**	**7.9000e-004**	**0.0104**	**3.0000e-005**	**3.7000e-003**	**2.0000e-005**	**3.7100e-003**	**9.8000e-004**	**1.0000e-005**	**1.0000e-003**	**0.0000**	**2.5870**	**2.5870**	**9.0000e-005**	**8.0000e-005**	**2.6132**

Construction (Phase 2)

Summer Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Valley's Edge Specific Plan Project - Construction (Phase 2)

Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	108.00	1000sqft	0.00	108,000.00	0
Other Asphalt Surfaces	16.66	Acre	16.66	725,709.60	0
Health Club	11.52	1000sqft	0.00	11,520.00	0
Apartments Low Rise	293.00	Dwelling Unit	0.00	467,201.00	838
Apartments Mid Rise	97.00	Dwelling Unit	0.00	87,700.00	277
Single Family Housing	84.00	Dwelling Unit	0.00	289,175.00	240
Single Family Housing	630.00	Dwelling Unit	99.28	1,385,171.00	1802
Free-Standing Discount store	7.20	1000sqft	0.00	7,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Land Use - Phase 2: VLDR: 73 du, LDR: 250 du, MDR: 93 du, MHDR: 97 du, Senior VLDR: 11, Senior LDR: 380 du, Senior MDR: 200 du, Office: 108 ksf, Retail: 7.2 ksf, Clubhouses: 11.52 ksf, Paving: 16.66 acres. 99.28 Acre site.

Construction Phase - Construction would occur between 4/1/2027 to 10/30/2033.

Off-road Equipment - Defualt equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated disturbed acres.

Trips and VMT - Default trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	220.00	221.00
tblConstructionPhase	NumDays	3,100.00	900.00
tblConstructionPhase	NumDays	310.00	221.00
tblConstructionPhase	NumDays	220.00	221.00
tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	6/18/2042	10/28/2033
tblConstructionPhase	PhaseEndDate	10/10/2040	12/23/2032

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

tblConstructionPhase	PhaseEndDate	11/22/2028	4/5/2028
tblConstructionPhase	PhaseEndDate	8/14/2041	10/28/2033
tblConstructionPhase	PhaseEndDate	9/15/2027	6/1/2027
tblConstructionPhase	PhaseStartDate	8/15/2041	12/24/2032
tblConstructionPhase	PhaseStartDate	11/23/2028	7/13/2029
tblConstructionPhase	PhaseStartDate	9/16/2027	6/2/2027
tblConstructionPhase	PhaseStartDate	10/11/2040	12/24/2032
tblGrading	AcresOfGrading	773.50	99.28
tblGrading	AcresOfGrading	22.00	99.28
tblLandUse	LandUseSquareFeet	293,000.00	467,201.00
tblLandUse	LandUseSquareFeet	97,000.00	87,700.00
tblLandUse	LandUseSquareFeet	151,200.00	289,175.00
tblLandUse	LandUseSquareFeet	1,134,000.00	1,385,171.00
tblLandUse	LotAcreage	2.48	0.00
tblLandUse	LotAcreage	0.26	0.00
tblLandUse	LotAcreage	18.31	0.00
tblLandUse	LotAcreage	2.55	0.00
tblLandUse	LotAcreage	27.27	0.00
tblLandUse	LotAcreage	204.55	99.28
tblLandUse	LotAcreage	0.17	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	4.4020	38.0967	38.2591	0.0996	8.4816	1.5252	8.8750	3.5863	1.4032	4.8061	0.0000	9,645.6678	9,645.6678	3.0806	3.7800e-003	9,723.8094
2028	4.3966	38.0936	38.2270	0.0995	6.6541	1.5252	8.1792	3.4029	1.4032	4.8061	0.0000	9,641.8374	9,641.8374	3.0802	3.5800e-003	9,719.9103
2029	3.4529	16.3960	28.7349	0.0964	7.1057	0.3279	7.4336	1.9180	0.3040	2.2220	0.0000	9,872.2333	9,872.2333	0.7744	0.7489	10,107.4273
2030	3.3411	14.5931	28.2182	0.0970	7.1057	0.1433	7.2490	1.9180	0.1387	2.0568	0.0000	9,890.2144	9,890.2144	0.1857	0.7319	10,112.9681
2031	3.1362	14.4237	27.3767	0.0953	7.1057	0.1408	7.2465	1.9180	0.1364	2.0544	0.0000	9,721.5488	9,721.5488	0.1759	0.7170	9,939.6048
2032	69.0308	14.2846	26.6935	0.0939	7.1058	0.2634	7.2443	1.9180	0.2631	2.0524	0.0000	9,572.3525	9,572.3525	0.1677	0.7044	9,786.4545
2033	68.9975	7.1664	18.1347	0.0346	1.2112	0.2631	1.4743	0.3214	0.2628	0.5842	0.0000	3,336.1606	3,336.1606	0.1310	0.0226	3,346.1841
Maximum	**69.0308**	**38.0967**	**38.2591**	**0.0996**	**8.4816**	**1.5252**	**8.8750**	**3.5863**	**1.4032**	**4.8061**	**0.0000**	**9,890.2144**	**9,890.2144**	**3.0806**	**0.7489**	**10,112.9681**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	4.4020	38.0967	38.2591	0.0996	3.8534	1.5252	4.6051	1.6236	1.4032	2.9572	0.0000	9,645.6678	9,645.6678	3.0806	3.7800e-003	9,723.8094
2028	4.3966	38.0936	38.2270	0.0995	3.0799	1.5252	4.6050	1.5540	1.4032	2.9572	0.0000	9,641.8374	9,641.8374	3.0802	3.5800e-003	9,719.9103
2029	3.4529	16.3960	28.7349	0.0964	7.1057	0.3279	7.4336	1.9180	0.3040	2.2220	0.0000	9,872.2333	9,872.2333	0.7744	0.7489	10,107.4273
2030	3.3411	14.5931	28.2182	0.0970	7.1057	0.1433	7.2490	1.9180	0.1387	2.0568	0.0000	9,890.2144	9,890.2144	0.1857	0.7319	10,112.9681
2031	3.1362	14.4237	27.3767	0.0953	7.1057	0.1408	7.2465	1.9180	0.1364	2.0544	0.0000	9,721.5488	9,721.5488	0.1759	0.7170	9,939.6048
2032	69.0308	14.2846	26.6935	0.0939	7.1058	0.2634	7.2443	1.9180	0.2631	2.0524	0.0000	9,572.3525	9,572.3525	0.1677	0.7044	9,786.4545
2033	68.9975	7.1664	18.1347	0.0346	1.2112	0.2631	1.4743	0.3214	0.2628	0.5842	0.0000	3,336.1606	3,336.1606	0.1310	0.0226	3,346.1841
Maximum	**69.0308**	**38.0967**	**38.2591**	**0.0996**	**7.1058**	**1.5252**	**7.4336**	**1.9180**	**1.4032**	**2.9572**	**0.0000**	**9,890.2144**	**9,890.2144**	**3.0806**	**0.7489**	**10,112.9681**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**18.32**	**0.00**	**16.44**	**25.44**	**0.00**	**19.90**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2027	6/1/2027	5	44	
2	Grading	Grading	6/2/2027	4/5/2028	5	221	
3	Building Construction	Building Construction	7/13/2029	12/23/2032	5	900	
4	Paving	Paving	12/24/2032	10/28/2033	5	221	
5	Architectural Coating	Architectural Coating	12/24/2032	10/28/2033	5	221	
6	Trenching	Trenching	6/2/2027	7/12/2029	5	552	

Acres of Grading (Site Preparation Phase): 99.28

Acres of Grading (Grading Phase): 99.28

Acres of Paving: 16.66

Residential Indoor: 4,514,225; Residential Outdoor: 1,504,742; Non-Residential Indoor: 190,080; Non-Residential Outdoor: 63,360; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Trenching	Excavators	1	8.00	158	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	204.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1,020.00	258.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4150	0.0000	8.4150	3.5686	0.0000	3.5686			0.0000			0.0000
Off-Road	1.1280	9.5116	6.1991	0.0218		0.3931	0.3931		0.3616	0.3616		2,113.0339	2,113.0339	0.6834		2,130.1189
Total	**1.1280**	**9.5116**	**6.1991**	**0.0218**	**8.4150**	**0.3931**	**8.8080**	**3.5686**	**0.3616**	**3.9302**		**2,113.0339**	**2,113.0339**	**0.6834**		**2,130.1189**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0150	0.2317	5.7000e-004	0.0667	3.2000e-004	0.0670	0.0177	3.0000e-004	0.0180		57.2164	57.2164	1.7900e-003	1.6200e-003	57.7439
Total	**0.0357**	**0.0150**	**0.2317**	**5.7000e-004**	**0.0667**	**3.2000e-004**	**0.0670**	**0.0177**	**3.0000e-004**	**0.0180**		**57.2164**	**57.2164**	**1.7900e-003**	**1.6200e-003**	**57.7439**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7867	0.0000	3.7867	1.6059	0.0000	1.6059			0.0000			0.0000
Off-Road	1.1280	9.5116	6.1991	0.0218		0.3931	0.3931		0.3616	0.3616	0.0000	2,113.0339	2,113.0339	0.6834		2,130.1189
Total	**1.1280**	**9.5116**	**6.1991**	**0.0218**	**3.7867**	**0.3931**	**4.1798**	**1.6059**	**0.3616**	**1.9675**	**0.0000**	**2,113.0339**	**2,113.0339**	**0.6834**		**2,130.1189**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0357	0.0150	0.2317	5.7000e-004	0.0667	3.2000e-004	0.0670	0.0177	3.0000e-004	0.0180		57.2164	57.2164	1.7900e-003	1.6200e-003	57.7439
Total	**0.0357**	**0.0150**	**0.2317**	**5.7000e-004**	**0.0667**	**3.2000e-004**	**0.0670**	**0.0177**	**3.0000e-004**	**0.0180**		**57.2164**	**57.2164**	**1.7900e-003**	**1.6200e-003**	**57.7439**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4985	0.0000	6.4985	3.3617	0.0000	3.3617			0.0000			0.0000
Off-Road	3.4077	31.2941	26.8002	0.0736		1.2536	1.2536		1.1533	1.1533		7,121.5870	7,121.5870	2.3033		7,179.1686
Total	**3.4077**	**31.2941**	**26.8002**	**0.0736**	**6.4985**	**1.2536**	**7.7521**	**3.3617**	**1.1533**	**4.5150**		**7,121.5870**	**7,121.5870**	**2.3033**		**7,179.1686**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0535	0.0225	0.3475	8.5000e-004	0.1000	4.8000e-004	0.1005	0.0265	4.4000e-004	0.0270		85.8246	85.8246	2.6800e-003	2.4300e-003	86.6159
Total	**0.0535**	**0.0225**	**0.3475**	**8.5000e-004**	**0.1000**	**4.8000e-004**	**0.1005**	**0.0265**	**4.4000e-004**	**0.0270**		**85.8246**	**85.8246**	**2.6800e-003**	**2.4300e-003**	**86.6159**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9243	0.0000	2.9243	1.5128	0.0000	1.5128			0.0000			0.0000
Off-Road	3.4077	31.2941	26.8002	0.0736		1.2536	1.2536		1.1533	1.1533	0.0000	7,121.5870	7,121.5870	2.3033		7,179.1686
Total	**3.4077**	**31.2941**	**26.8002**	**0.0736**	**2.9243**	**1.2536**	**4.1779**	**1.5128**	**1.1533**	**2.6660**	**0.0000**	**7,121.5870**	**7,121.5870**	**2.3033**		**7,179.1686**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0535	0.0225	0.3475	8.5000e-004	0.1000	4.8000e-004	0.1005	0.0265	4.4000e-004	0.0270		85.8246	85.8246	2.6800e-003	2.4300e-003	86.6159
Total	**0.0535**	**0.0225**	**0.3475**	**8.5000e-004**	**0.1000**	**4.8000e-004**	**0.1005**	**0.0265**	**4.4000e-004**	**0.0270**		**85.8246**	**85.8246**	**2.6800e-003**	**2.4300e-003**	**86.6159**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.3 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4985	0.0000	6.4985	3.3617	0.0000	3.3617			0.0000			0.0000
Off-Road	3.4077	31.2941	26.8002	0.0736		1.2536	1.2536		1.1533	1.1533		7,121.5870	7,121.5870	2.3033		7,179.1686
Total	**3.4077**	**31.2941**	**26.8002**	**0.0736**	**6.4985**	**1.2536**	**7.7521**	**3.3617**	**1.1533**	**4.5150**		**7,121.5870**	**7,121.5870**	**2.3033**		**7,179.1686**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0500	0.0205	0.3269	8.2000e-004	0.1000	4.5000e-004	0.1005	0.0265	4.1000e-004	0.0270		83.3621	83.3621	2.4500e-003	2.3000e-003	84.1093
Total	**0.0500**	**0.0205**	**0.3269**	**8.2000e-004**	**0.1000**	**4.5000e-004**	**0.1005**	**0.0265**	**4.1000e-004**	**0.0270**		**83.3621**	**83.3621**	**2.4500e-003**	**2.3000e-003**	**84.1093**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9243	0.0000	2.9243	1.5128	0.0000	1.5128			0.0000			0.0000
Off-Road	3.4077	31.2941	26.8002	0.0736		1.2536	1.2536		1.1533	1.1533	0.0000	7,121.5870	7,121.5870	2.3033		7,179.1686
Total	**3.4077**	**31.2941**	**26.8002**	**0.0736**	**2.9243**	**1.2536**	**4.1779**	**1.5128**	**1.1533**	**2.6660**	**0.0000**	**7,121.5870**	**7,121.5870**	**2.3033**		**7,179.1686**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0500	0.0205	0.3269	8.2000e-004	0.1000	4.5000e-004	0.1005	0.0265	4.1000e-004	0.0270		83.3621	83.3621	2.4500e-003	2.3000e-003	84.1093
Total	**0.0500**	**0.0205**	**0.3269**	**8.2000e-004**	**0.1000**	**4.5000e-004**	**0.1005**	**0.0265**	**4.1000e-004**	**0.0270**		**83.3621**	**83.3621**	**2.4500e-003**	**2.3000e-003**	**84.1093**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205		1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**		**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2958	10.2067	3.4012	0.0401	1.4389	0.0644	1.5033	0.4145	0.0616	0.4761		4,227.2115	4,227.2115	0.0150	0.6249	4,413.7971
Worker	2.6322	1.0635	17.4731	0.0455	5.6669	0.0238	5.6907	1.5036	0.0219	1.5255		4,596.8176	4,596.8176	0.1273	0.1240	4,636.9508
Total	**2.9280**	**11.2702**	**20.8743**	**0.0855**	**7.1057**	**0.0882**	**7.1940**	**1.9180**	**0.0835**	**2.0015**		**8,824.0291**	**8,824.0291**	**0.1423**	**0.7489**	**9,050.7479**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205	0.0000	1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**	**0.0000**	**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2958	10.2067	3.4012	0.0401	1.4389	0.0644	1.5033	0.4145	0.0616	0.4761		4,227.2115	4,227.2115	0.0150	0.6249	4,413.7971
Worker	2.6322	1.0635	17.4731	0.0455	5.6669	0.0238	5.6907	1.5036	0.0219	1.5255		4,596.8176	4,596.8176	0.1273	0.1240	4,636.9508
Total	**2.9280**	**11.2702**	**20.8743**	**0.0855**	**7.1057**	**0.0882**	**7.1940**	**1.9180**	**0.0835**	**2.0015**		**8,824.0291**	**8,824.0291**	**0.1423**	**0.7489**	**9,050.7479**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578		1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**		**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2901	10.0968	3.3740	0.0394	1.4389	0.0633	1.5021	0.4145	0.0605	0.4750		4,153.3771	4,153.3771	0.0147	0.6135	4,336.5627
Worker	2.4401	0.9758	16.5758	0.0443	5.6669	0.0222	5.6891	1.5036	0.0204	1.5240		4,482.1484	4,482.1484	0.1170	0.1184	4,520.3682
Total	**2.7302**	**11.0726**	**19.9498**	**0.0837**	**7.1057**	**0.0855**	**7.1912**	**1.9180**	**0.0810**	**1.9990**		**8,635.5254**	**8,635.5254**	**0.1318**	**0.7319**	**8,856.9309**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578	0.0000	1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2901	10.0968	3.3740	0.0394	1.4389	0.0633	1.5021	0.4145	0.0605	0.4750		4,153.3771	4,153.3771	0.0147	0.6135	4,336.5627
Worker	2.4401	0.9758	16.5758	0.0443	5.6669	0.0222	5.6891	1.5036	0.0204	1.5240		4,482.1484	4,482.1484	0.1170	0.1184	4,520.3682
Total	**2.7302**	**11.0726**	**19.9498**	**0.0837**	**7.1057**	**0.0855**	**7.1912**	**1.9180**	**0.0810**	**1.9990**		**8,635.5254**	**8,635.5254**	**0.1318**	**0.7319**	**8,856.9309**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578		1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**		**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2854	10.0096	3.3542	0.0387	1.4389	0.0623	1.5012	0.4145	0.0596	0.4741		4,088.0597	4,088.0597	0.0145	0.6036	4,268.2850
Worker	2.2400	0.8937	15.7541	0.0433	5.6669	0.0207	5.6876	1.5036	0.0190	1.5226		4,378.8001	4,378.8001	0.1075	0.1134	4,415.2825
Total	**2.5253**	**10.9032**	**19.1083**	**0.0821**	**7.1057**	**0.0830**	**7.1888**	**1.9180**	**0.0787**	**1.9967**		**8,466.8598**	**8,466.8598**	**0.1220**	**0.7170**	**8,683.5676**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578	0.0000	1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2854	10.0096	3.3542	0.0387	1.4389	0.0623	1.5012	0.4145	0.0596	0.4741		4,088.0597	4,088.0597	0.0145	0.6036	4,268.2850
Worker	2.2400	0.8937	15.7541	0.0433	5.6669	0.0207	5.6876	1.5036	0.0190	1.5226		4,378.8001	4,378.8001	0.1075	0.1134	4,415.2825
Total	**2.5253**	**10.9032**	**19.1083**	**0.0821**	**7.1057**	**0.0830**	**7.1888**	**1.9180**	**0.0787**	**1.9967**		**8,466.8598**	**8,466.8598**	**0.1220**	**0.7170**	**8,683.5676**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578		1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**		**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2814	9.9342	3.3443	0.0382	1.4389	0.0615	1.5004	0.4145	0.0588	0.4733		4,030.7432	4,030.7432	0.0144	0.5950	4,208.4011
Worker	2.0780	0.8300	15.0807	0.0424	5.6669	0.0193	5.6862	1.5036	0.0178	1.5213		4,286.9203	4,286.9203	0.0994	0.1094	4,322.0163
Total	**2.3594**	**10.7641**	**18.4251**	**0.0806**	**7.1058**	**0.0808**	**7.1865**	**1.9180**	**0.0766**	**1.9946**		**8,317.6636**	**8,317.6636**	**0.1138**	**0.7044**	**8,530.4173**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578	0.0000	1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2814	9.9342	3.3443	0.0382	1.4389	0.0615	1.5004	0.4145	0.0588	0.4733		4,030.7432	4,030.7432	0.0144	0.5950	4,208.4011
Worker	2.0780	0.8300	15.0807	0.0424	5.6669	0.0193	5.6862	1.5036	0.0178	1.5213		4,286.9203	4,286.9203	0.0994	0.1094	4,322.0163
Total	**2.3594**	**10.7641**	**18.4251**	**0.0806**	**7.1058**	**0.0808**	**7.1865**	**1.9180**	**0.0766**	**1.9946**		**8,317.6636**	**8,317.6636**	**0.1138**	**0.7044**	**8,530.4173**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.5 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0699	5.8593	12.6437	0.0218		0.2322	0.2322		0.2322	0.2322		2,062.1933	2,062.1933	0.0961		2,064.5954
Paving	0.1975					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2674**	**5.8593**	**12.6437**	**0.0218**		**0.2322**	**0.2322**		**0.2322**	**0.2322**		**2,062.1933**	**2,062.1933**	**0.0961**		**2,064.5954**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0285	0.0114	0.2070	5.8000e-004	0.0778	2.6000e-004	0.0781	0.0206	2.4000e-004	0.0209		58.8401	58.8401	1.3600e-003	1.5000e-003	59.3218
Total	**0.0285**	**0.0114**	**0.2070**	**5.8000e-004**	**0.0778**	**2.6000e-004**	**0.0781**	**0.0206**	**2.4000e-004**	**0.0209**		**58.8401**	**58.8401**	**1.3600e-003**	**1.5000e-003**	**59.3218**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0699	5.8593	12.6437	0.0218		0.2322	0.2322		0.2322	0.2322	0.0000	2,062.1933	2,062.1933	0.0961		2,064.5954
Paving	0.1975					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2674**	**5.8593**	**12.6437**	**0.0218**		**0.2322**	**0.2322**		**0.2322**	**0.2322**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0961**		**2,064.5954**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0285	0.0114	0.2070	5.8000e-004	0.0778	2.6000e-004	0.0781	0.0206	2.4000e-004	0.0209		58.8401	58.8401	1.3600e-003	1.5000e-003	59.3218
Total	**0.0285**	**0.0114**	**0.2070**	**5.8000e-004**	**0.0778**	**2.6000e-004**	**0.0781**	**0.0206**	**2.4000e-004**	**0.0209**		**58.8401**	**58.8401**	**1.3600e-003**	**1.5000e-003**	**59.3218**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.5 Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0699	5.8593	12.6437	0.0218		0.2322	0.2322		0.2322	0.2322		2,062.1933	2,062.1933	0.0961		2,064.5954
Paving	0.1975					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2674**	**5.8593**	**12.6437**	**0.0218**		**0.2322**	**0.2322**		**0.2322**	**0.2322**		**2,062.1933**	**2,062.1933**	**0.0961**		**2,064.5954**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0264	0.0106	0.1987	5.7000e-004	0.0778	2.5000e-004	0.0780	0.0206	2.3000e-004	0.0209		57.7149	57.7149	1.2600e-003	1.4500e-003	58.1800
Total	**0.0264**	**0.0106**	**0.1987**	**5.7000e-004**	**0.0778**	**2.5000e-004**	**0.0780**	**0.0206**	**2.3000e-004**	**0.0209**		**57.7149**	**57.7149**	**1.2600e-003**	**1.4500e-003**	**58.1800**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0699	5.8593	12.6437	0.0218		0.2322	0.2322		0.2322	0.2322	0.0000	2,062.1933	2,062.1933	0.0961		2,064.5954
Paving	0.1975					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2674**	**5.8593**	**12.6437**	**0.0218**		**0.2322**	**0.2322**		**0.2322**	**0.2322**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0961**		**2,064.5954**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0264	0.0106	0.1987	5.7000e-004	0.0778	2.5000e-004	0.0780	0.0206	2.3000e-004	0.0209		57.7149	57.7149	1.2600e-003	1.4500e-003	58.1800
Total	**0.0264**	**0.0106**	**0.1987**	**5.7000e-004**	**0.0778**	**2.5000e-004**	**0.0780**	**0.0206**	**2.3000e-004**	**0.0209**		**57.7149**	**57.7149**	**1.2600e-003**	**1.4500e-003**	**58.1800**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1743	1.1417	2.3970	3.9600e-003		0.0271	0.0271		0.0271	0.0271		375.2641	375.2641	0.0152		375.6438
Total	**67.3193**	**1.1417**	**2.3970**	**3.9600e-003**		**0.0271**	**0.0271**		**0.0271**	**0.0271**		**375.2641**	**375.2641**	**0.0152**		**375.6438**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4156	0.1660	3.0162	8.4800e-003	1.1334	3.8600e-003	1.1372	0.3007	3.5500e-003	0.3043		857.3841	857.3841	0.0199	0.0219	864.4033
Total	**0.4156**	**0.1660**	**3.0162**	**8.4800e-003**	**1.1334**	**3.8600e-003**	**1.1372**	**0.3007**	**3.5500e-003**	**0.3043**		**857.3841**	**857.3841**	**0.0199**	**0.0219**	**864.4033**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	67.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1743	1.1417	2.3970	3.9600e-003		0.0271	0.0271		0.0271	0.0271	0.0000	375.2641	375.2641	0.0152		375.6438
Total	**67.3193**	**1.1417**	**2.3970**	**3.9600e-003**		**0.0271**	**0.0271**		**0.0271**	**0.0271**	**0.0000**	**375.2641**	**375.2641**	**0.0152**		**375.6438**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.4156	0.1660	3.0162	8.4800e-003	1.1334	3.8600e-003	1.1372	0.3007	3.5500e-003	0.3043		857.3841	857.3841	0.0199	0.0219	864.4033
Total	**0.4156**	**0.1660**	**3.0162**	**8.4800e-003**	**1.1334**	**3.8600e-003**	**1.1372**	**0.3007**	**3.5500e-003**	**0.3043**		**857.3841**	**857.3841**	**0.0199**	**0.0219**	**864.4033**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1743	1.1417	2.3970	3.9600e-003		0.0271	0.0271		0.0271	0.0271		375.2641	375.2641	0.0152		375.6438
Total	**67.3193**	**1.1417**	**2.3970**	**3.9600e-003**		**0.0271**	**0.0271**		**0.0271**	**0.0271**		**375.2641**	**375.2641**	**0.0152**		**375.6438**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3844	0.1547	2.8954	8.3200e-003	1.1334	3.6000e-003	1.1370	0.3007	3.3200e-003	0.3040		840.9884	840.9884	0.0184	0.0212	847.7650
Total	**0.3844**	**0.1547**	**2.8954**	**8.3200e-003**	**1.1334**	**3.6000e-003**	**1.1370**	**0.3007**	**3.3200e-003**	**0.3040**		**840.9884**	**840.9884**	**0.0184**	**0.0212**	**847.7650**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	67.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1743	1.1417	2.3970	3.9600e-003		0.0271	0.0271		0.0271	0.0271	0.0000	375.2641	375.2641	0.0152		375.6438
Total	**67.3193**	**1.1417**	**2.3970**	**3.9600e-003**		**0.0271**	**0.0271**		**0.0271**	**0.0271**	**0.0000**	**375.2641**	**375.2641**	**0.0152**		**375.6438**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3844	0.1547	2.8954	8.3200e-003	1.1334	3.6000e-003	1.1370	0.3007	3.3200e-003	0.3040		840.9884	840.9884	0.0184	0.0212	847.7650
Total	**0.3844**	**0.1547**	**2.8954**	**8.3200e-003**	**1.1334**	**3.6000e-003**	**1.1370**	**0.3007**	**3.3200e-003**	**0.3040**		**840.9884**	**840.9884**	**0.0184**	**0.0212**	**847.7650**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.7 Trenching - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9111	6.7675	10.9183	0.0247		0.2709	0.2709		0.2492	0.2492		2,390.5760	2,390.5760	0.7732		2,409.9050
Total	**0.9111**	**6.7675**	**10.9183**	**0.0247**		**0.2709**	**0.2709**		**0.2492**	**0.2492**		**2,390.5760**	**2,390.5760**	**0.7732**		**2,409.9050**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0297	0.0125	0.1931	4.7000e-004	0.0556	2.7000e-004	0.0558	0.0147	2.5000e-004	0.0150		47.6803	47.6803	1.4900e-003	1.3500e-003	48.1199
Total	**0.0297**	**0.0125**	**0.1931**	**4.7000e-004**	**0.0556**	**2.7000e-004**	**0.0558**	**0.0147**	**2.5000e-004**	**0.0150**		**47.6803**	**47.6803**	**1.4900e-003**	**1.3500e-003**	**48.1199**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9111	6.7675	10.9183	0.0247		0.2709	0.2709		0.2492	0.2492	0.0000	2,390.5760	2,390.5760	0.7732		2,409.9050
Total	**0.9111**	**6.7675**	**10.9183**	**0.0247**		**0.2709**	**0.2709**		**0.2492**	**0.2492**	**0.0000**	**2,390.5760**	**2,390.5760**	**0.7732**		**2,409.9050**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0297	0.0125	0.1931	4.7000e-004	0.0556	2.7000e-004	0.0558	0.0147	2.5000e-004	0.0150		47.6803	47.6803	1.4900e-003	1.3500e-003	48.1199
Total	**0.0297**	**0.0125**	**0.1931**	**4.7000e-004**	**0.0556**	**2.7000e-004**	**0.0558**	**0.0147**	**2.5000e-004**	**0.0150**		**47.6803**	**47.6803**	**1.4900e-003**	**1.3500e-003**	**48.1199**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.7 Trenching - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9111	6.7675	10.9183	0.0247		0.2709	0.2709		0.2492	0.2492		2,390.5760	2,390.5760	0.7732		2,409.9050
Total	**0.9111**	**6.7675**	**10.9183**	**0.0247**		**0.2709**	**0.2709**		**0.2492**	**0.2492**		**2,390.5760**	**2,390.5760**	**0.7732**		**2,409.9050**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0278	0.0114	0.1816	4.6000e-004	0.0556	2.5000e-004	0.0558	0.0147	2.3000e-004	0.0150		46.3123	46.3123	1.3600e-003	1.2800e-003	46.7274
Total	**0.0278**	**0.0114**	**0.1816**	**4.6000e-004**	**0.0556**	**2.5000e-004**	**0.0558**	**0.0147**	**2.3000e-004**	**0.0150**		**46.3123**	**46.3123**	**1.3600e-003**	**1.2800e-003**	**46.7274**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9111	6.7675	10.9183	0.0247		0.2709	0.2709		0.2492	0.2492	0.0000	2,390.5760	2,390.5760	0.7732		2,409.9050
Total	**0.9111**	**6.7675**	**10.9183**	**0.0247**		**0.2709**	**0.2709**		**0.2492**	**0.2492**	**0.0000**	**2,390.5760**	**2,390.5760**	**0.7732**		**2,409.9050**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0278	0.0114	0.1816	4.6000e-004	0.0556	2.5000e-004	0.0558	0.0147	2.3000e-004	0.0150		46.3123	46.3123	1.3600e-003	1.2800e-003	46.7274
Total	**0.0278**	**0.0114**	**0.1816**	**4.6000e-004**	**0.0556**	**2.5000e-004**	**0.0558**	**0.0147**	**2.3000e-004**	**0.0150**		**46.3123**	**46.3123**	**1.3600e-003**	**1.2800e-003**	**46.7274**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

3.7 Trenching - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9111	6.7675	10.9183	0.0247		0.2709	0.2709		0.2492	0.2492		2,390.5760	2,390.5760	0.7732		2,409.9050
Total	**0.9111**	**6.7675**	**10.9183**	**0.0247**		**0.2709**	**0.2709**		**0.2492**	**0.2492**		**2,390.5760**	**2,390.5760**	**0.7732**		**2,409.9050**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0258	0.0104	0.1713	4.5000e-004	0.0556	2.3000e-004	0.0558	0.0147	2.1000e-004	0.0150		45.0668	45.0668	1.2500e-003	1.2200e-003	45.4603
Total	**0.0258**	**0.0104**	**0.1713**	**4.5000e-004**	**0.0556**	**2.3000e-004**	**0.0558**	**0.0147**	**2.1000e-004**	**0.0150**		**45.0668**	**45.0668**	**1.2500e-003**	**1.2200e-003**	**45.4603**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:58 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9111	6.7675	10.9183	0.0247		0.2709	0.2709		0.2492	0.2492	0.0000	2,390.5760	2,390.5760	0.7732		2,409.9050
Total	**0.9111**	**6.7675**	**10.9183**	**0.0247**		**0.2709**	**0.2709**		**0.2492**	**0.2492**	**0.0000**	**2,390.5760**	**2,390.5760**	**0.7732**		**2,409.9050**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0258	0.0104	0.1713	4.5000e-004	0.0556	2.3000e-004	0.0558	0.0147	2.1000e-004	0.0150		45.0668	45.0668	1.2500e-003	1.2200e-003	45.4603
Total	**0.0258**	**0.0104**	**0.1713**	**4.5000e-004**	**0.0556**	**2.3000e-004**	**0.0558**	**0.0147**	**2.1000e-004**	**0.0150**		**45.0668**	**45.0668**	**1.2500e-003**	**1.2200e-003**	**45.4603**

Construction (Phase 2)

Winter Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Valley's Edge Specific Plan Project - Construction (Phase 2)

Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	108.00	1000sqft	0.00	108,000.00	0
Other Asphalt Surfaces	16.66	Acre	16.66	725,709.60	0
Health Club	11.52	1000sqft	0.00	11,520.00	0
Apartments Low Rise	293.00	Dwelling Unit	0.00	467,201.00	838
Apartments Mid Rise	97.00	Dwelling Unit	0.00	87,700.00	277
Single Family Housing	84.00	Dwelling Unit	0.00	289,175.00	240
Single Family Housing	630.00	Dwelling Unit	99.28	1,385,171.00	1802
Free-Standing Discount Store	7.20	1000sqft	0.00	7,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Land Use - Phase 2: VLDR: 73 du, LDR: 250 du, MDR: 93 du, MHDR: 97 du, Senior VLDR: 11, Senior LDR: 380 du, Senior MDR: 200 du, Office: 108 ksf, Retail: 7.2 ksf, Clubhouses: 11.52 ksf, Paving: 16.66 acres. 99.28 Acre site.

Construction Phase - Construction would occur between 4/1/2027 to 10/30/2033.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Trips and VMT - Defualt trips assumed.

Grading - Updated disturbed acres.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water two times daily.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	NumDays	310.00	221.00
tblConstructionPhase	NumDays	3,100.00	900.00
tblConstructionPhase	NumDays	220.00	221.00
tblConstructionPhase	NumDays	220.00	221.00
tblConstructionPhase	PhaseEndDate	9/15/2027	6/1/2027
tblConstructionPhase	PhaseEndDate	11/22/2028	4/5/2028
tblConstructionPhase	PhaseEndDate	10/10/2040	12/23/2032
tblConstructionPhase	PhaseEndDate	8/14/2041	10/28/2033
tblConstructionPhase	PhaseEndDate	6/18/2042	10/28/2033
tblConstructionPhase	PhaseStartDate	9/16/2027	6/2/2027
tblConstructionPhase	PhaseStartDate	11/23/2028	7/13/2029
tblConstructionPhase	PhaseStartDate	10/11/2040	12/24/2032
tblConstructionPhase	PhaseStartDate	8/15/2041	12/24/2032
tblGrading	AcresOfGrading	22.00	99.28
tblGrading	AcresOfGrading	773.50	99.28
tblLandUse	LandUseSquareFeet	293,000.00	467,201.00
tblLandUse	LandUseSquareFeet	97,000.00	87,700.00
tblLandUse	LandUseSquareFeet	1,134,000.00	1,385,171.00
tblLandUse	LandUseSquareFeet	151,200.00	289,175.00

tblLandUse	LotAcreage	2.48	0.00
tblLandUse	LotAcreage	0.26	0.00
tblLandUse	LotAcreage	18.31	0.00
tblLandUse	LotAcreage	2.55	0.00
tblLandUse	LotAcreage	204.55	99.28
tblLandUse	LotAcreage	27.27	0.00
tblLandUse	LotAcreage	0.17	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Dozers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	4.1228	35.4451	33.7595	0.0932	8.4816	1.4175	8.8711	3.5863	1.3041	4.7070	0.0000	9,028.5991	9,028.5991	2.8868	4.3200e-003	9,102.0562
2028	4.1184	35.4413	33.7325	0.0932	6.6541	1.4174	8.0715	3.4029	1.3040	4.7070	0.0000	9,025.2247	9,025.2247	2.8864	4.0900e-003	9,098.6028
2029	2.9255	17.4711	27.0875	0.0912	7.1057	0.3281	7.4339	1.9180	0.3043	2.2223	0.0000	9,353.4759	9,353.4759	0.5801	0.7687	9,595.1924
2030	2.8520	15.6390	26.7064	0.0919	7.1057	0.1435	7.2493	1.9180	0.1390	2.0570	0.0000	9,384.6625	9,384.6625	0.2087	0.7509	9,613.6338
2031	2.6875	15.4435	25.9871	0.0904	7.1057	0.1410	7.2468	1.9180	0.1367	2.0547	0.0000	9,227.7387	9,227.7387	0.1974	0.7351	9,451.7332
2032	68.9464	15.2840	25.4000	0.0891	7.1058	0.2634	7.2445	1.9180	0.2631	2.0526	0.0000	9,088.9543	9,088.9543	0.1878	0.7219	9,308.7738
2033	68.9201	7.2021	17.8481	0.0336	1.2112	0.2631	1.4743	0.3214	0.2628	0.5842	0.0000	3,232.5439	3,232.5439	0.1352	0.0258	3,243.6137
Maximum	**68.9464**	**35.4451**	**33.7595**	**0.0932**	**8.4816**	**1.4175**	**8.8711**	**3.5863**	**1.3041**	**4.7070**	**0.0000**	**9,384.6625**	**9,384.6625**	**2.8868**	**0.7687**	**9,613.6338**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2027	4.1228	35.4451	33.7595	0.0932	3.8534	1.4175	4.4974	1.6236	1.3041	2.8581	0.0000	9,028.5991	9,028.5991	2.8868	4.3200e-003	9,102.0562
2028	4.1184	35.4413	33.7325	0.0932	3.0799	1.4174	4.4973	1.5540	1.3040	2.8580	0.0000	9,025.2247	9,025.2247	2.8864	4.0900e-003	9,098.6028
2029	2.9255	17.4711	27.0875	0.0912	7.1057	0.3281	7.4339	1.9180	0.3043	2.2223	0.0000	9,353.4759	9,353.4759	0.5801	0.7687	9,595.1924
2030	2.8520	15.6390	26.7064	0.0919	7.1057	0.1435	7.2493	1.9180	0.1390	2.0570	0.0000	9,384.6625	9,384.6625	0.2087	0.7509	9,613.6338
2031	2.6875	15.4435	25.9871	0.0904	7.1057	0.1410	7.2468	1.9180	0.1367	2.0547	0.0000	9,227.7387	9,227.7387	0.1974	0.7351	9,451.7332
2032	68.9464	15.2840	25.4000	0.0891	7.1058	0.2634	7.2445	1.9180	0.2631	2.0526	0.0000	9,088.9543	9,088.9543	0.1878	0.7219	9,308.7738
2033	68.9201	7.2021	17.8481	0.0336	1.2112	0.2631	1.4743	0.3214	0.2628	0.5842	0.0000	3,232.5439	3,232.5439	0.1352	0.0258	3,243.6137
Maximum	**68.9464**	**35.4451**	**33.7595**	**0.0932**	**7.1058**	**1.4175**	**7.4339**	**1.9180**	**1.3041**	**2.8581**	**0.0000**	**9,384.6625**	**9,384.6625**	**2.8868**	**0.7687**	**9,613.6338**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**18.32**	**0.00**	**16.70**	**25.44**	**0.00**	**20.11**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2027	6/1/2027	5	44	
2	Grading	Grading	6/2/2027	4/5/2028	5	221	
3	Building Construction	Building Construction	7/13/2029	12/23/2032	5	900	
4	Paving	Paving	12/24/2032	10/28/2033	5	221	
5	Architectural Coating	Architectural Coating	12/24/2032	10/28/2033	5	221	
6	Trenching	Trenching	6/2/2027	7/12/2029	5	552	

Acres of Grading (Site Preparation Phase): 99.28

Acres of Grading (Grading Phase): 99.28

Acres of Paving: 16.66

Residential Indoor: 4,514,225; Residential Outdoor: 1,504,742; Non-Residential Indoor: 190,080; Non-Residential Outdoor: 63,360; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1,020.00	258.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	204.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.4150	0.0000	8.4150	3.5686	0.0000	3.5686			0.0000			0.0000
Off-Road	1.1180	9.4193	6.1480	0.0217		0.3892	0.3892		0.3580	0.3580		2,096.9188	2,096.9188	0.6782		2,113.8734
Total	**1.1180**	**9.4193**	**6.1480**	**0.0217**	**8.4150**	**0.3892**	**8.8041**	**3.5686**	**0.3580**	**3.9266**		**2,096.9188**	**2,096.9188**	**0.6782**		**2,113.8734**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0288	0.0184	0.2067	5.0000e-004	0.0667	3.2000e-004	0.0670	0.0177	3.0000e-004	0.0180		50.6138	50.6138	2.1300e-003	1.8500e-003	51.2185
Total	**0.0288**	**0.0184**	**0.2067**	**5.0000e-004**	**0.0667**	**3.2000e-004**	**0.0670**	**0.0177**	**3.0000e-004**	**0.0180**		**50.6138**	**50.6138**	**2.1300e-003**	**1.8500e-003**	**51.2185**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.7867	0.0000	3.7867	1.6059	0.0000	1.6059			0.0000			0.0000
Off-Road	1.1180	9.4193	6.1480	0.0217		0.3892	0.3892		0.3580	0.3580	0.0000	2,096.9188	2,096.9188	0.6782		2,113.8734
Total	**1.1180**	**9.4193**	**6.1480**	**0.0217**	**3.7867**	**0.3892**	**4.1759**	**1.6059**	**0.3580**	**1.9639**	**0.0000**	**2,096.9188**	**2,096.9188**	**0.6782**		**2,113.8734**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0288	0.0184	0.2067	5.0000e-004	0.0667	3.2000e-004	0.0670	0.0177	3.0000e-004	0.0180		50.6138	50.6138	2.1300e-003	1.8500e-003	51.2185
Total	**0.0288**	**0.0184**	**0.2067**	**5.0000e-004**	**0.0667**	**3.2000e-004**	**0.0670**	**0.0177**	**3.0000e-004**	**0.0180**		**50.6138**	**50.6138**	**2.1300e-003**	**1.8500e-003**	**51.2185**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.3 Grading - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4985	0.0000	6.4985	3.3617	0.0000	3.3617			0.0000			0.0000
Off-Road	3.4077	31.2941	26.8002	0.0736		1.2536	1.2536		1.1533	1.1533		7,121.5870	7,121.5870	2.3033		7,179.1686
Total	**3.4077**	**31.2941**	**26.8002**	**0.0736**	**6.4985**	**1.2536**	**7.7521**	**3.3617**	**1.1533**	**4.5150**		**7,121.5870**	**7,121.5870**	**2.3033**		**7,179.1686**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0432	0.0275	0.3100	7.5000e-004	0.1000	4.8000e-004	0.1005	0.0265	4.4000e-004	0.0270		75.9206	75.9206	3.1900e-003	2.7800e-003	76.8278
Total	**0.0432**	**0.0275**	**0.3100**	**7.5000e-004**	**0.1000**	**4.8000e-004**	**0.1005**	**0.0265**	**4.4000e-004**	**0.0270**		**75.9206**	**75.9206**	**3.1900e-003**	**2.7800e-003**	**76.8278**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9243	0.0000	2.9243	1.5128	0.0000	1.5128			0.0000			0.0000
Off-Road	3.4077	31.2941	26.8002	0.0736		1.2536	1.2536		1.1533	1.1533	0.0000	7,121.5870	7,121.5870	2.3033		7,179.1686
Total	**3.4077**	**31.2941**	**26.8002**	**0.0736**	**2.9243**	**1.2536**	**4.1779**	**1.5128**	**1.1533**	**2.6660**	**0.0000**	**7,121.5870**	**7,121.5870**	**2.3033**		**7,179.1686**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0432	0.0275	0.3100	7.5000e-004	0.1000	4.8000e-004	0.1005	0.0265	4.4000e-004	0.0270		75.9206	75.9206	3.1900e-003	2.7800e-003	76.8278
Total	**0.0432**	**0.0275**	**0.3100**	**7.5000e-004**	**0.1000**	**4.8000e-004**	**0.1005**	**0.0265**	**4.4000e-004**	**0.0270**		**75.9206**	**75.9206**	**3.1900e-003**	**2.7800e-003**	**76.8278**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.3 Grading - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4985	0.0000	6.4985	3.3617	0.0000	3.3617			0.0000			0.0000
Off-Road	3.4077	31.2941	26.8002	0.0736		1.2536	1.2536		1.1533	1.1533		7,121.5870	7,121.5870	2.3033		7,179.1686
Total	**3.4077**	**31.2941**	**26.8002**	**0.0736**	**6.4985**	**1.2536**	**7.7521**	**3.3617**	**1.1533**	**4.5150**		**7,121.5870**	**7,121.5870**	**2.3033**		**7,179.1686**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0404	0.0251	0.2927	7.3000e-004	0.1000	4.5000e-004	0.1005	0.0265	4.1000e-004	0.0270		73.7514	73.7514	2.9300e-003	2.6300e-003	74.6078
Total	**0.0404**	**0.0251**	**0.2927**	**7.3000e-004**	**0.1000**	**4.5000e-004**	**0.1005**	**0.0265**	**4.1000e-004**	**0.0270**		**73.7514**	**73.7514**	**2.9300e-003**	**2.6300e-003**	**74.6078**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9243	0.0000	2.9243	1.5128	0.0000	1.5128			0.0000			0.0000
Off-Road	3.4077	31.2941	26.8002	0.0736		1.2536	1.2536		1.1533	1.1533	0.0000	7,121.5870	7,121.5870	2.3033		7,179.1686
Total	**3.4077**	**31.2941**	**26.8002**	**0.0736**	**2.9243**	**1.2536**	**4.1779**	**1.5128**	**1.1533**	**2.6660**	**0.0000**	**7,121.5870**	**7,121.5870**	**2.3033**		**7,179.1686**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0404	0.0251	0.2927	7.3000e-004	0.1000	4.5000e-004	0.1005	0.0265	4.1000e-004	0.0270		73.7514	73.7514	2.9300e-003	2.6300e-003	74.6078
Total	**0.0404**	**0.0251**	**0.2927**	**7.3000e-004**	**0.1000**	**4.5000e-004**	**0.1005**	**0.0265**	**4.1000e-004**	**0.0270**		**73.7514**	**73.7514**	**2.9300e-003**	**2.6300e-003**	**74.6078**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205		1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**		**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2755	11.0475	3.5366	0.0402	1.4389	0.0647	1.5035	0.4145	0.0619	0.4763		4,238.1625	4,238.1625	0.0142	0.6272	4,425.4137
Worker	2.1251	1.2978	15.6903	0.0402	5.6669	0.0238	5.6907	1.5036	0.0219	1.5255		4,067.1093	4,067.1093	0.1528	0.1415	4,113.0993
Total	**2.4006**	**12.3453**	**19.2269**	**0.0804**	**7.1057**	**0.0885**	**7.1942**	**1.9180**	**0.0838**	**2.0018**		**8,305.2717**	**8,305.2717**	**0.1670**	**0.7687**	**8,538.5129**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5249	5.1258	7.8606	0.0108		0.2397	0.2397		0.2205	0.2205	0.0000	1,048.2042	1,048.2042	0.3390		1,056.6795
Total	**0.5249**	**5.1258**	**7.8606**	**0.0108**		**0.2397**	**0.2397**		**0.2205**	**0.2205**	**0.0000**	**1,048.2042**	**1,048.2042**	**0.3390**		**1,056.6795**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2755	11.0475	3.5366	0.0402	1.4389	0.0647	1.5035	0.4145	0.0619	0.4763		4,238.1625	4,238.1625	0.0142	0.6272	4,425.4137
Worker	2.1251	1.2978	15.6903	0.0402	5.6669	0.0238	5.6907	1.5036	0.0219	1.5255		4,067.1093	4,067.1093	0.1528	0.1415	4,113.0993
Total	**2.4006**	**12.3453**	**19.2269**	**0.0804**	**7.1057**	**0.0885**	**7.1942**	**1.9180**	**0.0838**	**2.0018**		**8,305.2717**	**8,305.2717**	**0.1670**	**0.7687**	**8,538.5129**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578		1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**		**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2698	10.9287	3.5085	0.0395	1.4389	0.0635	1.5024	0.4145	0.0608	0.4752		4,164.2327	4,164.2327	0.0139	0.6157	4,348.0715
Worker	1.9714	1.1898	14.9295	0.0392	5.6669	0.0222	5.6891	1.5036	0.0204	1.5240		3,965.7408	3,965.7408	0.1409	0.1351	4,009.5251
Total	**2.2411**	**12.1185**	**18.4380**	**0.0787**	**7.1057**	**0.0857**	**7.1915**	**1.9180**	**0.0812**	**1.9992**		**8,129.9735**	**8,129.9735**	**0.1548**	**0.7509**	**8,357.5966**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578	0.0000	1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2698	10.9287	3.5085	0.0395	1.4389	0.0635	1.5024	0.4145	0.0608	0.4752		4,164.2327	4,164.2327	0.0139	0.6157	4,348.0715
Worker	1.9714	1.1898	14.9295	0.0392	5.6669	0.0222	5.6891	1.5036	0.0204	1.5240		3,965.7408	3,965.7408	0.1409	0.1351	4,009.5251
Total	**2.2411**	**12.1185**	**18.4380**	**0.0787**	**7.1057**	**0.0857**	**7.1915**	**1.9180**	**0.0812**	**1.9992**		**8,129.9735**	**8,129.9735**	**0.1548**	**0.7509**	**8,357.5966**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578		1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**		**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2649	10.8345	3.4882	0.0388	1.4389	0.0626	1.5014	0.4145	0.0599	0.4743		4,098.8316	4,098.8316	0.0137	0.6058	4,279.6999
Worker	1.8118	1.0885	14.2305	0.0383	5.6669	0.0207	5.6876	1.5036	0.0190	1.5226		3,874.2181	3,874.2181	0.1298	0.1293	3,915.9961
Total	**2.0767**	**11.9230**	**17.7187**	**0.0772**	**7.1057**	**0.0833**	**7.1890**	**1.9180**	**0.0789**	**1.9969**		**7,973.0497**	**7,973.0497**	**0.1434**	**0.7351**	**8,195.6960**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578	0.0000	1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2649	10.8345	3.4882	0.0388	1.4389	0.0626	1.5014	0.4145	0.0599	0.4743		4,098.8316	4,098.8316	0.0137	0.6058	4,279.6999
Worker	1.8118	1.0885	14.2305	0.0383	5.6669	0.0207	5.6876	1.5036	0.0190	1.5226		3,874.2181	3,874.2181	0.1298	0.1293	3,915.9961
Total	**2.0767**	**11.9230**	**17.7187**	**0.0772**	**7.1057**	**0.0833**	**7.1890**	**1.9180**	**0.0789**	**1.9969**		**7,973.0497**	**7,973.0497**	**0.1434**	**0.7351**	**8,195.6960**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578		1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**		**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2609	10.7534	3.4781	0.0383	1.4389	0.0617	1.5006	0.4145	0.0590	0.4735		4,041.4487	4,041.4487	0.0135	0.5972	4,219.7415
Worker	1.6830	1.0101	13.6535	0.0375	5.6669	0.0193	5.6862	1.5036	0.0178	1.5213		3,792.8166	3,792.8166	0.1204	0.1247	3,832.9952
Total	**1.9439**	**11.7635**	**17.1316**	**0.0758**	**7.1058**	**0.0810**	**7.1868**	**1.9180**	**0.0768**	**1.9948**		**7,834.2653**	**7,834.2653**	**0.1339**	**0.7219**	**8,052.7366**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578	0.0000	1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2609	10.7534	3.4781	0.0383	1.4389	0.0617	1.5006	0.4145	0.0590	0.4735		4,041.4487	4,041.4487	0.0135	0.5972	4,219.7415
Worker	1.6830	1.0101	13.6535	0.0375	5.6669	0.0193	5.6862	1.5036	0.0178	1.5213		3,792.8166	3,792.8166	0.1204	0.1247	3,832.9952
Total	**1.9439**	**11.7635**	**17.1316**	**0.0758**	**7.1058**	**0.0810**	**7.1868**	**1.9180**	**0.0768**	**1.9948**		**7,834.2653**	**7,834.2653**	**0.1339**	**0.7219**	**8,052.7366**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.5 Paving - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0699	5.8593	12.6437	0.0218		0.2322	0.2322		0.2322	0.2322		2,062.1933	2,062.1933	0.0961		2,064.5954
Paving	0.1975					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2674**	**5.8593**	**12.6437**	**0.0218**		**0.2322**	**0.2322**		**0.2322**	**0.2322**		**2,062.1933**	**2,062.1933**	**0.0961**		**2,064.5954**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0231	0.0139	0.1874	5.2000e-004	0.0778	2.6000e-004	0.0781	0.0206	2.4000e-004	0.0209		52.0583	52.0583	1.6500e-003	1.7100e-003	52.6097
Total	**0.0231**	**0.0139**	**0.1874**	**5.2000e-004**	**0.0778**	**2.6000e-004**	**0.0781**	**0.0206**	**2.4000e-004**	**0.0209**		**52.0583**	**52.0583**	**1.6500e-003**	**1.7100e-003**	**52.6097**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0699	5.8593	12.6437	0.0218		0.2322	0.2322		0.2322	0.2322	0.0000	2,062.1933	2,062.1933	0.0961		2,064.5954
Paving	0.1975					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2674**	**5.8593**	**12.6437**	**0.0218**		**0.2322**	**0.2322**		**0.2322**	**0.2322**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0961**		**2,064.5954**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0231	0.0139	0.1874	5.2000e-004	0.0778	2.6000e-004	0.0781	0.0206	2.4000e-004	0.0209		52.0583	52.0583	1.6500e-003	1.7100e-003	52.6097
Total	**0.0231**	**0.0139**	**0.1874**	**5.2000e-004**	**0.0778**	**2.6000e-004**	**0.0781**	**0.0206**	**2.4000e-004**	**0.0209**		**52.0583**	**52.0583**	**1.6500e-003**	**1.7100e-003**	**52.6097**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.5 Paving - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0699	5.8593	12.6437	0.0218		0.2322	0.2322		0.2322	0.2322		2,062.1933	2,062.1933	0.0961		2,064.5954
Paving	0.1975					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2674**	**5.8593**	**12.6437**	**0.0218**		**0.2322**	**0.2322**		**0.2322**	**0.2322**		**2,062.1933**	**2,062.1933**	**0.0961**		**2,064.5954**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0214	0.0129	0.1803	5.1000e-004	0.0778	2.5000e-004	0.0780	0.0206	2.3000e-004	0.0209		51.0606	51.0606	1.5300e-003	1.6600e-003	51.5929
Total	**0.0214**	**0.0129**	**0.1803**	**5.1000e-004**	**0.0778**	**2.5000e-004**	**0.0780**	**0.0206**	**2.3000e-004**	**0.0209**		**51.0606**	**51.0606**	**1.5300e-003**	**1.6600e-003**	**51.5929**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0699	5.8593	12.6437	0.0218		0.2322	0.2322		0.2322	0.2322	0.0000	2,062.1933	2,062.1933	0.0961		2,064.5954
Paving	0.1975					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.2674**	**5.8593**	**12.6437**	**0.0218**		**0.2322**	**0.2322**		**0.2322**	**0.2322**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0961**		**2,064.5954**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0214	0.0129	0.1803	5.1000e-004	0.0778	2.5000e-004	0.0780	0.0206	2.3000e-004	0.0209		51.0606	51.0606	1.5300e-003	1.6600e-003	51.5929
Total	**0.0214**	**0.0129**	**0.1803**	**5.1000e-004**	**0.0778**	**2.5000e-004**	**0.0780**	**0.0206**	**2.3000e-004**	**0.0209**		**51.0606**	**51.0606**	**1.5300e-003**	**1.6600e-003**	**51.5929**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1743	1.1417	2.3970	3.9600e-003		0.0271	0.0271		0.0271	0.0271		375.2641	375.2641	0.0152		375.6438
Total	**67.3193**	**1.1417**	**2.3970**	**3.9600e-003**		**0.0271**	**0.0271**		**0.0271**	**0.0271**		**375.2641**	**375.2641**	**0.0152**		**375.6438**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3366	0.2020	2.7307	7.5000e-003	1.1334	3.8600e-003	1.1372	0.3007	3.5500e-003	0.3043		758.5633	758.5633	0.0241	0.0250	766.5990
Total	**0.3366**	**0.2020**	**2.7307**	**7.5000e-003**	**1.1334**	**3.8600e-003**	**1.1372**	**0.3007**	**3.5500e-003**	**0.3043**		**758.5633**	**758.5633**	**0.0241**	**0.0250**	**766.5990**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	67.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1743	1.1417	2.3970	3.9600e-003		0.0271	0.0271		0.0271	0.0271	0.0000	375.2641	375.2641	0.0152		375.6438
Total	**67.3193**	**1.1417**	**2.3970**	**3.9600e-003**		**0.0271**	**0.0271**		**0.0271**	**0.0271**	**0.0000**	**375.2641**	**375.2641**	**0.0152**		**375.6438**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3366	0.2020	2.7307	7.5000e-003	1.1334	3.8600e-003	1.1372	0.3007	3.5500e-003	0.3043		758.5633	758.5633	0.0241	0.0250	766.5990
Total	**0.3366**	**0.2020**	**2.7307**	**7.5000e-003**	**1.1334**	**3.8600e-003**	**1.1372**	**0.3007**	**3.5500e-003**	**0.3043**		**758.5633**	**758.5633**	**0.0241**	**0.0250**	**766.5990**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	67.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1743	1.1417	2.3970	3.9600e-003		0.0271	0.0271		0.0271	0.0271		375.2641	375.2641	0.0152		375.6438
Total	**67.3193**	**1.1417**	**2.3970**	**3.9600e-003**		**0.0271**	**0.0271**		**0.0271**	**0.0271**		**375.2641**	**375.2641**	**0.0152**		**375.6438**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3120	0.1881	2.6271	7.3600e-003	1.1334	3.6000e-003	1.1370	0.3007	3.3200e-003	0.3040		744.0260	744.0260	0.0224	0.0242	751.7817
Total	**0.3120**	**0.1881**	**2.6271**	**7.3600e-003**	**1.1334**	**3.6000e-003**	**1.1370**	**0.3007**	**3.3200e-003**	**0.3040**		**744.0260**	**744.0260**	**0.0224**	**0.0242**	**751.7817**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	67.1450					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1743	1.1417	2.3970	3.9600e-003		0.0271	0.0271		0.0271	0.0271	0.0000	375.2641	375.2641	0.0152		375.6438
Total	**67.3193**	**1.1417**	**2.3970**	**3.9600e-003**		**0.0271**	**0.0271**		**0.0271**	**0.0271**	**0.0000**	**375.2641**	**375.2641**	**0.0152**		**375.6438**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3120	0.1881	2.6271	7.3600e-003	1.1334	3.6000e-003	1.1370	0.3007	3.3200e-003	0.3040		744.0260	744.0260	0.0224	0.0242	751.7817
Total	**0.3120**	**0.1881**	**2.6271**	**7.3600e-003**	**1.1334**	**3.6000e-003**	**1.1370**	**0.3007**	**3.3200e-003**	**0.3040**		**744.0260**	**744.0260**	**0.0224**	**0.0242**	**751.7817**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.7 Trenching - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6479	4.1082	6.4771	0.0185		0.1631	0.1631		0.1501	0.1501		1,788.9134	1,788.9134	0.5786		1,803.3777
Total	**0.6479**	**4.1082**	**6.4771**	**0.0185**		**0.1631**	**0.1631**		**0.1501**	**0.1501**		**1,788.9134**	**1,788.9134**	**0.5786**		**1,803.3777**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0240	0.0153	0.1722	4.2000e-004	0.0556	2.7000e-004	0.0558	0.0147	2.5000e-004	0.0150		42.1781	42.1781	1.7700e-003	1.5400e-003	42.6821
Total	**0.0240**	**0.0153**	**0.1722**	**4.2000e-004**	**0.0556**	**2.7000e-004**	**0.0558**	**0.0147**	**2.5000e-004**	**0.0150**		**42.1781**	**42.1781**	**1.7700e-003**	**1.5400e-003**	**42.6821**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6479	4.1082	6.4771	0.0185		0.1631	0.1631		0.1501	0.1501	0.0000	1,788.9134	1,788.9134	0.5786		1,803.3777
Total	**0.6479**	**4.1082**	**6.4771**	**0.0185**		**0.1631**	**0.1631**		**0.1501**	**0.1501**	**0.0000**	**1,788.9134**	**1,788.9134**	**0.5786**		**1,803.3777**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0240	0.0153	0.1722	4.2000e-004	0.0556	2.7000e-004	0.0558	0.0147	2.5000e-004	0.0150		42.1781	42.1781	1.7700e-003	1.5400e-003	42.6821
Total	**0.0240**	**0.0153**	**0.1722**	**4.2000e-004**	**0.0556**	**2.7000e-004**	**0.0558**	**0.0147**	**2.5000e-004**	**0.0150**		**42.1781**	**42.1781**	**1.7700e-003**	**1.5400e-003**	**42.6821**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.7 Trenching - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6479	4.1082	6.4771	0.0185		0.1631	0.1631		0.1501	0.1501		1,788.9134	1,788.9134	0.5786		1,803.3777
Total	**0.6479**	**4.1082**	**6.4771**	**0.0185**		**0.1631**	**0.1631**		**0.1501**	**0.1501**		**1,788.9134**	**1,788.9134**	**0.5786**		**1,803.3777**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0224	0.0139	0.1626	4.1000e-004	0.0556	2.5000e-004	0.0558	0.0147	2.3000e-004	0.0150		40.9730	40.9730	1.6300e-003	1.4600e-003	41.4488
Total	**0.0224**	**0.0139**	**0.1626**	**4.1000e-004**	**0.0556**	**2.5000e-004**	**0.0558**	**0.0147**	**2.3000e-004**	**0.0150**		**40.9730**	**40.9730**	**1.6300e-003**	**1.4600e-003**	**41.4488**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6479	4.1082	6.4771	0.0185		0.1631	0.1631		0.1501	0.1501	0.0000	1,788.9134	1,788.9134	0.5786		1,803.3777
Total	**0.6479**	**4.1082**	**6.4771**	**0.0185**		**0.1631**	**0.1631**		**0.1501**	**0.1501**	**0.0000**	**1,788.9134**	**1,788.9134**	**0.5786**		**1,803.3777**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0224	0.0139	0.1626	4.1000e-004	0.0556	2.5000e-004	0.0558	0.0147	2.3000e-004	0.0150		40.9730	40.9730	1.6300e-003	1.4600e-003	41.4488
Total	**0.0224**	**0.0139**	**0.1626**	**4.1000e-004**	**0.0556**	**2.5000e-004**	**0.0558**	**0.0147**	**2.3000e-004**	**0.0150**		**40.9730**	**40.9730**	**1.6300e-003**	**1.4600e-003**	**41.4488**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

3.7 Trenching - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6479	4.1082	6.4771	0.0185		0.1631	0.1631		0.1501	0.1501		1,788.9134	1,788.9134	0.5786		1,803.3777
Total	**0.6479**	**4.1082**	**6.4771**	**0.0185**		**0.1631**	**0.1631**		**0.1501**	**0.1501**		**1,788.9134**	**1,788.9134**	**0.5786**		**1,803.3777**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0208	0.0127	0.1538	3.9000e-004	0.0556	2.3000e-004	0.0558	0.0147	2.1000e-004	0.0150		39.8736	39.8736	1.5000e-003	1.3900e-003	40.3245
Total	**0.0208**	**0.0127**	**0.1538**	**3.9000e-004**	**0.0556**	**2.3000e-004**	**0.0558**	**0.0147**	**2.1000e-004**	**0.0150**		**39.8736**	**39.8736**	**1.5000e-003**	**1.3900e-003**	**40.3245**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:29 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6479	4.1082	6.4771	0.0185		0.1631	0.1631		0.1501	0.1501	0.0000	1,788.9134	1,788.9134	0.5786		1,803.3777
Total	**0.6479**	**4.1082**	**6.4771**	**0.0185**		**0.1631**	**0.1631**		**0.1501**	**0.1501**	**0.0000**	**1,788.9134**	**1,788.9134**	**0.5786**		**1,803.3777**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0208	0.0127	0.1538	3.9000e-004	0.0556	2.3000e-004	0.0558	0.0147	2.1000e-004	0.0150		39.8736	39.8736	1.5000e-003	1.3900e-003	40.3245
Total	**0.0208**	**0.0127**	**0.1538**	**3.9000e-004**	**0.0556**	**2.3000e-004**	**0.0558**	**0.0147**	**2.1000e-004**	**0.0150**		**39.8736**	**39.8736**	**1.5000e-003**	**1.3900e-003**	**40.3245**

Construction (Phase 3)

Annual Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Valley's Edge Specific Plan Project - Construction (Phase 3)

Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	120.00	1000sqft	0.00	120,000.00	0
Other Asphalt Surfaces	13.33	Acre	13.33	580,654.80	0
Health Club	3.84	1000sqft	0.00	3,840.00	0
Apartments Low Rise	279.00	Dwelling Unit	0.00	456,323.00	798
Apartments Mid Rise	65.00	Dwelling Unit	0.00	58,467.00	186
Single Family Housing	112.00	Dwelling Unit	0.00	381,851.00	320
Single Family Housing	309.00	Dwelling Unit	70.24	682,621.00	884
Free-Standing Discount store	13.00	1000sqft	0.00	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Land Use - Phase 3: VLDR: 92 du, LDR: 127 du, MDR: 127 du, MHDR: 65 du, Senior VLDR: 20, Senior LDR: 180 du, Senior MDR: 152 du, Office: 120 ksf, Retail: 13 ksf, Clubhouses: 3.84 ksf, Paving: 13.33 acres. 70.24 Acre site.

Construction Phase - Construction would occur between 4/1/2033 to 4/30/2039.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated disturbed acres.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	110.00	153.00
tblConstructionPhase	NumDays	1,550.00	841.00
tblConstructionPhase	NumDays	155.00	153.00
tblConstructionPhase	NumDays	110.00	153.00
tblConstructionPhase	NumDays	60.00	30.00
tblConstructionPhase	PhaseEndDate	11/8/2040	8/20/2038
tblConstructionPhase	PhaseEndDate	1/5/2040	1/19/2038

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

tblConstructionPhase	PhaseEndDate	1/26/2034	12/13/2033
tblConstructionPhase	PhaseEndDate	6/7/2040	8/20/2038
tblConstructionPhase	PhaseEndDate	6/23/2033	5/12/2033
tblConstructionPhase	PhaseStartDate	6/8/2040	1/20/2038
tblConstructionPhase	PhaseStartDate	1/27/2034	10/31/2034
tblConstructionPhase	PhaseStartDate	6/24/2033	5/13/2033
tblConstructionPhase	PhaseStartDate	1/6/2040	1/20/2038
tblGrading	AcresOfGrading	535.50	70.24
tblGrading	AcresOfGrading	15.00	70.24
tblLandUse	LandUseSquareFeet	279,000.00	456,323.00
tblLandUse	LandUseSquareFeet	65,000.00	58,467.00
tblLandUse	LandUseSquareFeet	201,600.00	381,851.00
tblLandUse	LandUseSquareFeet	556,200.00	682,621.00
tblLandUse	LotAcreage	2.75	0.00
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	17.44	0.00
tblLandUse	LotAcreage	1.71	0.00
tblLandUse	LotAcreage	36.36	0.00
tblLandUse	LotAcreage	100.32	70.24
tblLandUse	LotAcreage	0.30	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2033	0.4174	1.6371	2.6499	8.7100e-003	0.6382	0.0557	0.6939	0.3143	0.0557	0.3700	0.0000	850.9541	850.9541	0.0335	2.4000e-004	851.8618
2034	0.1676	0.6826	1.6653	4.5400e-003	0.1177	0.0143	0.1320	0.0319	0.0142	0.0461	0.0000	425.3268	425.3268	0.0128	0.0107	428.8362
2035	0.2329	1.5454	2.5620	9.0000e-003	0.6641	0.0128	0.6769	0.1801	0.0124	0.1925	0.0000	830.5419	830.5419	0.0150	0.0622	849.4380
2036	0.2338	1.5514	2.5719	9.0400e-003	0.6667	0.0129	0.6795	0.1808	0.0125	0.1932	0.0000	833.7241	833.7241	0.0151	0.0624	852.6925
2037	0.2329	1.5454	2.5620	9.0000e-003	0.6641	0.0128	0.6769	0.1801	0.0124	0.1925	0.0000	830.5419	830.5419	0.0150	0.0622	849.4380
2038	5.5066	0.5032	1.4232	2.8700e-003	0.1007	0.0120	0.1127	0.0270	0.0120	0.0389	0.0000	252.3571	252.3571	8.3600e-003	4.2900e-003	253.8456
Maximum	**5.5066**	**1.6371**	**2.6499**	**9.0400e-003**	**0.6667**	**0.0557**	**0.6939**	**0.3143**	**0.0557**	**0.3700**	**0.0000**	**850.9541**	**850.9541**	**0.0335**	**0.0624**	**852.6925**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2033	0.4174	1.6371	2.6498	8.7100e-003	0.2942	0.0557	0.3499	0.1433	0.0557	0.1990	0.0000	850.9531	850.9531	0.0335	2.4000e-004	851.8608
2034	0.1676	0.6826	1.6653	4.5400e-003	0.1177	0.0143	0.1320	0.0319	0.0142	0.0461	0.0000	425.3265	425.3265	0.0128	0.0107	428.8359
2035	0.2329	1.5454	2.5620	9.0000e-003	0.6641	0.0128	0.6769	0.1801	0.0124	0.1925	0.0000	830.5418	830.5418	0.0150	0.0622	849.4378
2036	0.2338	1.5514	2.5719	9.0400e-003	0.6667	0.0129	0.6795	0.1808	0.0125	0.1932	0.0000	833.7239	833.7239	0.0151	0.0624	852.6924
2037	0.2329	1.5454	2.5620	9.0000e-003	0.6641	0.0128	0.6769	0.1801	0.0124	0.1925	0.0000	830.5418	830.5418	0.0150	0.0622	849.4378
2038	5.5066	0.5032	1.4232	2.8700e-003	0.1007	0.0120	0.1127	0.0270	0.0120	0.0389	0.0000	252.3569	252.3569	8.3600e-003	4.2900e-003	253.8454
Maximum	**5.5066**	**1.6371**	**2.6498**	**9.0400e-003**	**0.6667**	**0.0557**	**0.6795**	**0.1808**	**0.0557**	**0.1990**	**0.0000**	**850.9531**	**850.9531**	**0.0335**	**0.0624**	**852.6924**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**12.07**	**0.00**	**11.58**	**18.71**	**0.00**	**16.55**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2033	5/12/2033	5	30	
2	Grading	Grading	5/13/2033	12/13/2033	5	153	
3	Building Construction	Building Construction	10/31/2034	1/19/2038	5	841	
4	Paving	Paving	1/20/2038	8/20/2038	5	153	
5	Architectural Coating	Architectural Coating	1/20/2038	8/20/2038	5	153	
6	Trenching	Trenching	5/13/2033	10/30/2034	5	382	

Acres of Grading (Site Preparation Phase): 70.24

Acres of Grading (Grading Phase): 70.24

Acres of Paving: 13.33

Residential Indoor: 3,198,006; Residential Outdoor: 1,066,002; Non-Residential Indoor: 205,260; Non-Residential Outdoor: 68,420; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	152.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	754.00	200.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1276	0.0000	0.1276	0.0537	0.0000	0.0537	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0175	0.0664	0.0794	3.6000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	34.4149	34.4149	1.4100e-003	0.0000	34.4502
Total	**0.0175**	**0.0664**	**0.0794**	**3.6000e-004**	**0.1276**	**2.4900e-003**	**0.1301**	**0.0537**	**2.4900e-003**	**0.0562**	**0.0000**	**34.4149**	**34.4149**	**1.4100e-003**	**0.0000**	**34.4502**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.7000e-004	1.5000e-004	2.2400e-003	1.0000e-005	9.6000e-004	0.0000	9.6000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.6129	0.6129	2.0000e-005	2.0000e-005	0.6186
Total	**2.7000e-004**	**1.5000e-004**	**2.2400e-003**	**1.0000e-005**	**9.6000e-004**	**0.0000**	**9.6000e-004**	**2.5000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.6129**	**0.6129**	**2.0000e-005**	**2.0000e-005**	**0.6186**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0574	0.0000	0.0574	0.0242	0.0000	0.0242	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0175	0.0664	0.0794	3.6000e-004		2.4900e-003	2.4900e-003		2.4900e-003	2.4900e-003	0.0000	34.4149	34.4149	1.4100e-003	0.0000	34.4501
Total	**0.0175**	**0.0664**	**0.0794**	**3.6000e-004**	**0.0574**	**2.4900e-003**	**0.0599**	**0.0242**	**2.4900e-003**	**0.0266**	**0.0000**	**34.4149**	**34.4149**	**1.4100e-003**	**0.0000**	**34.4501**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.7000e-004	1.5000e-004	2.2400e-003	1.0000e-005	9.6000e-004	0.0000	9.6000e-004	2.5000e-004	0.0000	2.6000e-004	0.0000	0.6129	0.6129	2.0000e-005	2.0000e-005	0.6186
Total	**2.7000e-004**	**1.5000e-004**	**2.2400e-003**	**1.0000e-005**	**9.6000e-004**	**0.0000**	**9.6000e-004**	**2.5000e-004**	**0.0000**	**2.6000e-004**	**0.0000**	**0.6129**	**0.6129**	**2.0000e-005**	**2.0000e-005**	**0.6186**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.3 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4979	0.0000	0.4979	0.2573	0.0000	0.2573	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3004	1.2495	1.6080	5.9800e-003		0.0442	0.0442		0.0442	0.0442	0.0000	593.0556	593.0556	0.0242	0.0000	593.6602
Total	**0.3004**	**1.2495**	**1.6080**	**5.9800e-003**	**0.4979**	**0.0442**	**0.5421**	**0.2573**	**0.0442**	**0.3014**	**0.0000**	**593.0556**	**593.0556**	**0.0242**	**0.0000**	**593.6602**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.1000e-003	1.1300e-003	0.0171	5.0000e-005	7.3300e-003	2.0000e-005	7.3500e-003	1.9500e-003	2.0000e-005	1.9700e-003	0.0000	4.6885	4.6885	1.2000e-004	1.4000e-004	4.7323
Total	**2.1000e-003**	**1.1300e-003**	**0.0171**	**5.0000e-005**	**7.3300e-003**	**2.0000e-005**	**7.3500e-003**	**1.9500e-003**	**2.0000e-005**	**1.9700e-003**	**0.0000**	**4.6885**	**4.6885**	**1.2000e-004**	**1.4000e-004**	**4.7323**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2241	0.0000	0.2241	0.1158	0.0000	0.1158	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3004	1.2495	1.6080	5.9800e-003		0.0442	0.0442		0.0442	0.0442	0.0000	593.0549	593.0549	0.0242	0.0000	593.6595
Total	**0.3004**	**1.2495**	**1.6080**	**5.9800e-003**	**0.2241**	**0.0442**	**0.2682**	**0.1158**	**0.0442**	**0.1599**	**0.0000**	**593.0549**	**593.0549**	**0.0242**	**0.0000**	**593.6595**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.1000e-003	1.1300e-003	0.0171	5.0000e-005	7.3300e-003	2.0000e-005	7.3500e-003	1.9500e-003	2.0000e-005	1.9700e-003	0.0000	4.6885	4.6885	1.2000e-004	1.4000e-004	4.7323
Total	**2.1000e-003**	**1.1300e-003**	**0.0171**	**5.0000e-005**	**7.3300e-003**	**2.0000e-005**	**7.3500e-003**	**1.9500e-003**	**2.0000e-005**	**1.9700e-003**	**0.0000**	**4.6885**	**4.6885**	**1.2000e-004**	**1.4000e-004**	**4.7323**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.4 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0134	0.0775	0.1819	2.9000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	25.0412	25.0412	1.0800e-003	0.0000	25.0681
Total	**0.0134**	**0.0775**	**0.1819**	**2.9000e-004**		**1.2700e-003**	**1.2700e-003**		**1.2700e-003**	**1.2700e-003**	**0.0000**	**25.0412**	**25.0412**	**1.0800e-003**	**0.0000**	**25.0681**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	4.5300e-003	0.1761	0.0579	6.4000e-004	0.0237	1.0300e-003	0.0247	6.8600e-003	9.8000e-004	7.8400e-003	0.0000	60.9499	60.9499	2.1000e-004	9.0000e-003	63.6376
Worker	0.0235	0.0128	0.1987	6.1000e-004	0.0883	2.7000e-004	0.0885	0.0235	2.5000e-004	0.0238	0.0000	55.4998	55.4998	1.3800e-003	1.6000e-003	56.0116
Total	**0.0280**	**0.1889**	**0.2567**	**1.2500e-003**	**0.1120**	**1.3000e-003**	**0.1133**	**0.0304**	**1.2300e-003**	**0.0316**	**0.0000**	**116.4497**	**116.4497**	**1.5900e-003**	**0.0106**	**119.6492**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0134	0.0775	0.1819	2.9000e-004		1.2700e-003	1.2700e-003		1.2700e-003	1.2700e-003	0.0000	25.0411	25.0411	1.0800e-003	0.0000	25.0680
Total	**0.0134**	**0.0775**	**0.1819**	**2.9000e-004**		**1.2700e-003**	**1.2700e-003**		**1.2700e-003**	**1.2700e-003**	**0.0000**	**25.0411**	**25.0411**	**1.0800e-003**	**0.0000**	**25.0680**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	4.5300e-003	0.1761	0.0579	6.4000e-004	0.0237	1.0300e-003	0.0247	6.8600e-003	9.8000e-004	7.8400e-003	0.0000	60.9499	60.9499	2.1000e-004	9.0000e-003	63.6376
Worker	0.0235	0.0128	0.1987	6.1000e-004	0.0883	2.7000e-004	0.0885	0.0235	2.5000e-004	0.0238	0.0000	55.4998	55.4998	1.3800e-003	1.6000e-003	56.0116
Total	**0.0280**	**0.1889**	**0.2567**	**1.2500e-003**	**0.1120**	**1.3000e-003**	**0.1133**	**0.0304**	**1.2300e-003**	**0.0316**	**0.0000**	**116.4497**	**116.4497**	**1.5900e-003**	**0.0106**	**119.6492**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.4 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0764	0.4350	1.0772	1.7300e-003		5.2700e-003	5.2700e-003		5.2700e-003	5.2700e-003	0.0000	148.5396	148.5396	6.1200e-003	0.0000	148.6927
Total	**0.0764**	**0.4350**	**1.0772**	**1.7300e-003**		**5.2700e-003**	**5.2700e-003**		**5.2700e-003**	**5.2700e-003**	**0.0000**	**148.5396**	**148.5396**	**6.1200e-003**	**0.0000**	**148.6927**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0266	1.0386	0.3437	3.7400e-003	0.1405	6.0100e-003	0.1465	0.0407	5.7500e-003	0.0464	0.0000	357.8832	357.8832	1.2600e-003	0.0529	373.6675
Worker	0.1299	0.0718	1.1412	3.5300e-003	0.5236	1.5200e-003	0.5251	0.1394	1.4000e-003	0.1408	0.0000	324.1191	324.1191	7.6500e-003	9.2900e-003	327.0778
Total	**0.1565**	**1.1104**	**1.4848**	**7.2700e-003**	**0.6641**	**7.5300e-003**	**0.6716**	**0.1801**	**7.1500e-003**	**0.1872**	**0.0000**	**682.0023**	**682.0023**	**8.9100e-003**	**0.0622**	**700.7453**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0764	0.4350	1.0772	1.7300e-003		5.2700e-003	5.2700e-003		5.2700e-003	5.2700e-003	0.0000	148.5395	148.5395	6.1200e-003	0.0000	148.6925
Total	**0.0764**	**0.4350**	**1.0772**	**1.7300e-003**		**5.2700e-003**	**5.2700e-003**		**5.2700e-003**	**5.2700e-003**	**0.0000**	**148.5395**	**148.5395**	**6.1200e-003**	**0.0000**	**148.6925**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0266	1.0386	0.3437	3.7400e-003	0.1405	6.0100e-003	0.1465	0.0407	5.7500e-003	0.0464	0.0000	357.8832	357.8832	1.2600e-003	0.0529	373.6675
Worker	0.1299	0.0718	1.1412	3.5300e-003	0.5236	1.5200e-003	0.5251	0.1394	1.4000e-003	0.1408	0.0000	324.1191	324.1191	7.6500e-003	9.2900e-003	327.0778
Total	**0.1565**	**1.1104**	**1.4848**	**7.2700e-003**	**0.6641**	**7.5300e-003**	**0.6716**	**0.1801**	**7.1500e-003**	**0.1872**	**0.0000**	**682.0023**	**682.0023**	**8.9100e-003**	**0.0622**	**700.7453**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.4 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0767	0.4367	1.0814	1.7400e-003		5.2900e-003	5.2900e-003		5.2900e-003	5.2900e-003	0.0000	149.1088	149.1088	6.1500e-003	0.0000	149.2624
Total	**0.0767**	**0.4367**	**1.0814**	**1.7400e-003**		**5.2900e-003**	**5.2900e-003**		**5.2900e-003**	**5.2900e-003**	**0.0000**	**149.1088**	**149.1088**	**6.1500e-003**	**0.0000**	**149.2624**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0267	1.0425	0.3450	3.7500e-003	0.1411	6.0400e-003	0.1471	0.0409	5.7700e-003	0.0466	0.0000	359.2544	359.2544	1.2700e-003	0.0531	375.0992
Worker	0.1304	0.0721	1.1455	3.5500e-003	0.5256	1.5300e-003	0.5271	0.1399	1.4100e-003	0.1413	0.0000	325.3609	325.3609	7.6800e-003	9.3200e-003	328.3310
Total	**0.1571**	**1.1147**	**1.4905**	**7.3000e-003**	**0.6667**	**7.5700e-003**	**0.6742**	**0.1808**	**7.1800e-003**	**0.1879**	**0.0000**	**684.6153**	**684.6153**	**8.9500e-003**	**0.0624**	**703.4301**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0767	0.4367	1.0814	1.7400e-003		5.2900e-003	5.2900e-003		5.2900e-003	5.2900e-003	0.0000	149.1086	149.1086	6.1500e-003	0.0000	149.2622
Total	**0.0767**	**0.4367**	**1.0814**	**1.7400e-003**		**5.2900e-003**	**5.2900e-003**		**5.2900e-003**	**5.2900e-003**	**0.0000**	**149.1086**	**149.1086**	**6.1500e-003**	**0.0000**	**149.2622**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0267	1.0425	0.3450	3.7500e-003	0.1411	6.0400e-003	0.1471	0.0409	5.7700e-003	0.0466	0.0000	359.2544	359.2544	1.2700e-003	0.0531	375.0992
Worker	0.1304	0.0721	1.1455	3.5500e-003	0.5256	1.5300e-003	0.5271	0.1399	1.4100e-003	0.1413	0.0000	325.3609	325.3609	7.6800e-003	9.3200e-003	328.3310
Total	**0.1571**	**1.1147**	**1.4905**	**7.3000e-003**	**0.6667**	**7.5700e-003**	**0.6742**	**0.1808**	**7.1800e-003**	**0.1879**	**0.0000**	**684.6153**	**684.6153**	**8.9500e-003**	**0.0624**	**703.4301**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.4 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0764	0.4350	1.0772	1.7300e-003		5.2700e-003	5.2700e-003		5.2700e-003	5.2700e-003	0.0000	148.5396	148.5396	6.1200e-003	0.0000	148.6927
Total	**0.0764**	**0.4350**	**1.0772**	**1.7300e-003**		**5.2700e-003**	**5.2700e-003**		**5.2700e-003**	**5.2700e-003**	**0.0000**	**148.5396**	**148.5396**	**6.1200e-003**	**0.0000**	**148.6927**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0266	1.0386	0.3437	3.7400e-003	0.1405	6.0100e-003	0.1465	0.0407	5.7500e-003	0.0464	0.0000	357.8832	357.8832	1.2600e-003	0.0529	373.6675
Worker	0.1299	0.0718	1.1412	3.5300e-003	0.5236	1.5200e-003	0.5251	0.1394	1.4000e-003	0.1408	0.0000	324.1191	324.1191	7.6500e-003	9.2900e-003	327.0778
Total	**0.1565**	**1.1104**	**1.4848**	**7.2700e-003**	**0.6641**	**7.5300e-003**	**0.6716**	**0.1801**	**7.1500e-003**	**0.1872**	**0.0000**	**682.0023**	**682.0023**	**8.9100e-003**	**0.0622**	**700.7453**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0764	0.4350	1.0772	1.7300e-003		5.2700e-003	5.2700e-003		5.2700e-003	5.2700e-003	0.0000	148.5395	148.5395	6.1200e-003	0.0000	148.6925
Total	**0.0764**	**0.4350**	**1.0772**	**1.7300e-003**		**5.2700e-003**	**5.2700e-003**		**5.2700e-003**	**5.2700e-003**	**0.0000**	**148.5395**	**148.5395**	**6.1200e-003**	**0.0000**	**148.6925**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0266	1.0386	0.3437	3.7400e-003	0.1405	6.0100e-003	0.1465	0.0407	5.7500e-003	0.0464	0.0000	357.8832	357.8832	1.2600e-003	0.0529	373.6675
Worker	0.1299	0.0718	1.1412	3.5300e-003	0.5236	1.5200e-003	0.5251	0.1394	1.4000e-003	0.1408	0.0000	324.1191	324.1191	7.6500e-003	9.2900e-003	327.0778
Total	**0.1565**	**1.1104**	**1.4848**	**7.2700e-003**	**0.6641**	**7.5300e-003**	**0.6716**	**0.1801**	**7.1500e-003**	**0.1872**	**0.0000**	**682.0023**	**682.0023**	**8.9100e-003**	**0.0622**	**700.7453**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.4 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8100e-003	0.0217	0.0537	9.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	7.3985	7.3985	3.0000e-004	0.0000	7.4062
Total	**3.8100e-003**	**0.0217**	**0.0537**	**9.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**7.3985**	**7.3985**	**3.0000e-004**	**0.0000**	**7.4062**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.3300e-003	0.0517	0.0171	1.9000e-004	7.0000e-003	3.0000e-004	7.3000e-003	2.0300e-003	2.9000e-004	2.3100e-003	0.0000	17.8256	17.8256	6.0000e-005	2.6300e-003	18.6118
Worker	6.4700e-003	3.5800e-003	0.0568	1.8000e-004	0.0261	8.0000e-005	0.0262	6.9400e-003	7.0000e-005	7.0100e-003	0.0000	16.1439	16.1439	3.8000e-004	4.6000e-004	16.2912
Total	**7.8000e-003**	**0.0553**	**0.0740**	**3.7000e-004**	**0.0331**	**3.8000e-004**	**0.0335**	**8.9700e-003**	**3.6000e-004**	**9.3200e-003**	**0.0000**	**33.9695**	**33.9695**	**4.4000e-004**	**3.0900e-003**	**34.9030**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.8100e-003	0.0217	0.0537	9.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	7.3985	7.3985	3.0000e-004	0.0000	7.4061
Total	**3.8100e-003**	**0.0217**	**0.0537**	**9.0000e-005**		**2.6000e-004**	**2.6000e-004**		**2.6000e-004**	**2.6000e-004**	**0.0000**	**7.3985**	**7.3985**	**3.0000e-004**	**0.0000**	**7.4061**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.3300e-003	0.0517	0.0171	1.9000e-004	7.0000e-003	3.0000e-004	7.3000e-003	2.0300e-003	2.9000e-004	2.3100e-003	0.0000	17.8256	17.8256	6.0000e-005	2.6300e-003	18.6118
Worker	6.4700e-003	3.5800e-003	0.0568	1.8000e-004	0.0261	8.0000e-005	0.0262	6.9400e-003	7.0000e-005	7.0100e-003	0.0000	16.1439	16.1439	3.8000e-004	4.6000e-004	16.2912
Total	**7.8000e-003**	**0.0553**	**0.0740**	**3.7000e-004**	**0.0331**	**3.8000e-004**	**0.0335**	**8.9700e-003**	**3.6000e-004**	**9.3200e-003**	**0.0000**	**33.9695**	**33.9695**	**4.4000e-004**	**3.0900e-003**	**34.9030**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.5 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0696	0.3397	0.9653	1.6700e-003		0.0102	0.0102		0.0102	0.0102	0.0000	143.1155	143.1155	5.6600e-003	0.0000	143.2569
Paving	0.0175					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0870**	**0.3397**	**0.9653**	**1.6700e-003**		**0.0102**	**0.0102**		**0.0102**	**0.0102**	**0.0000**	**143.1155**	**143.1155**	**5.6600e-003**	**0.0000**	**143.2569**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.4100e-003	7.8000e-004	0.0124	4.0000e-005	5.7000e-003	2.0000e-005	5.7200e-003	1.5200e-003	2.0000e-005	1.5300e-003	0.0000	3.5279	3.5279	8.0000e-005	1.0000e-004	3.5601
Total	**1.4100e-003**	**7.8000e-004**	**0.0124**	**4.0000e-005**	**5.7000e-003**	**2.0000e-005**	**5.7200e-003**	**1.5200e-003**	**2.0000e-005**	**1.5300e-003**	**0.0000**	**3.5279**	**3.5279**	**8.0000e-005**	**1.0000e-004**	**3.5601**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0696	0.3397	0.9653	1.6700e-003		0.0102	0.0102		0.0102	0.0102	0.0000	143.1153	143.1153	5.6600e-003	0.0000	143.2568
Paving	0.0175					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0870**	**0.3397**	**0.9653**	**1.6700e-003**		**0.0102**	**0.0102**		**0.0102**	**0.0102**	**0.0000**	**143.1153**	**143.1153**	**5.6600e-003**	**0.0000**	**143.2568**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.4100e-003	7.8000e-004	0.0124	4.0000e-005	5.7000e-003	2.0000e-005	5.7200e-003	1.5200e-003	2.0000e-005	1.5300e-003	0.0000	3.5279	3.5279	8.0000e-005	1.0000e-004	3.5601
Total	**1.4100e-003**	**7.8000e-004**	**0.0124**	**4.0000e-005**	**5.7000e-003**	**2.0000e-005**	**5.7200e-003**	**1.5200e-003**	**2.0000e-005**	**1.5300e-003**	**0.0000**	**3.5279**	**3.5279**	**8.0000e-005**	**1.0000e-004**	**3.5601**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.6 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.3792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.0773	0.1830	3.0000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	26.0432	26.0432	9.6000e-004	0.0000	26.0673
Total	**5.3912**	**0.0773**	**0.1830**	**3.0000e-004**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**26.0432**	**26.0432**	**9.6000e-004**	**0.0000**	**26.0673**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0154	8.4900e-003	0.1349	4.2000e-004	0.0619	1.8000e-004	0.0621	0.0165	1.7000e-004	0.0166	0.0000	38.3026	38.3026	9.0000e-004	1.1000e-003	38.6522
Total	**0.0154**	**8.4900e-003**	**0.1349**	**4.2000e-004**	**0.0619**	**1.8000e-004**	**0.0621**	**0.0165**	**1.7000e-004**	**0.0166**	**0.0000**	**38.3026**	**38.3026**	**9.0000e-004**	**1.1000e-003**	**38.6522**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	5.3792					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0120	0.0773	0.1830	3.0000e-004		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003	0.0000	26.0432	26.0432	9.6000e-004	0.0000	26.0672
Total	**5.3912**	**0.0773**	**0.1830**	**3.0000e-004**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**	**0.0000**	**26.0432**	**26.0432**	**9.6000e-004**	**0.0000**	**26.0672**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0154	8.4900e-003	0.1349	4.2000e-004	0.0619	1.8000e-004	0.0621	0.0165	1.7000e-004	0.0166	0.0000	38.3026	38.3026	9.0000e-004	1.1000e-003	38.6522
Total	**0.0154**	**8.4900e-003**	**0.1349**	**4.2000e-004**	**0.0619**	**1.8000e-004**	**0.0621**	**0.0165**	**1.7000e-004**	**0.0166**	**0.0000**	**38.3026**	**38.3026**	**9.0000e-004**	**1.1000e-003**	**38.6522**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.7 Trenching - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0958	0.3193	0.9328	2.2800e-003		8.9900e-003	8.9900e-003		8.9900e-003	8.9900e-003	0.0000	215.3562	215.3562	7.6700e-003	0.0000	215.5481
Total	**0.0958**	**0.3193**	**0.9328**	**2.2800e-003**		**8.9900e-003**	**8.9900e-003**		**8.9900e-003**	**8.9900e-003**	**0.0000**	**215.3562**	**215.3562**	**7.6700e-003**	**0.0000**	**215.5481**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.2600e-003	6.8000e-004	0.0103	3.0000e-005	4.4200e-003	1.0000e-005	4.4300e-003	1.1800e-003	1.0000e-005	1.1900e-003	0.0000	2.8260	2.8260	7.0000e-005	8.0000e-005	2.8525
Total	**1.2600e-003**	**6.8000e-004**	**0.0103**	**3.0000e-005**	**4.4200e-003**	**1.0000e-005**	**4.4300e-003**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**0.0000**	**2.8260**	**2.8260**	**7.0000e-005**	**8.0000e-005**	**2.8525**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0958	0.3193	0.9328	2.2800e-003		8.9900e-003	8.9900e-003		8.9900e-003	8.9900e-003	0.0000	215.3560	215.3560	7.6700e-003	0.0000	215.5478
Total	**0.0958**	**0.3193**	**0.9328**	**2.2800e-003**		**8.9900e-003**	**8.9900e-003**		**8.9900e-003**	**8.9900e-003**	**0.0000**	**215.3560**	**215.3560**	**7.6700e-003**	**0.0000**	**215.5478**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.2600e-003	6.8000e-004	0.0103	3.0000e-005	4.4200e-003	1.0000e-005	4.4300e-003	1.1800e-003	1.0000e-005	1.1900e-003	0.0000	2.8260	2.8260	7.0000e-005	8.0000e-005	2.8525
Total	**1.2600e-003**	**6.8000e-004**	**0.0103**	**3.0000e-005**	**4.4200e-003**	**1.0000e-005**	**4.4300e-003**	**1.1800e-003**	**1.0000e-005**	**1.1900e-003**	**0.0000**	**2.8260**	**2.8260**	**7.0000e-005**	**8.0000e-005**	**2.8525**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

3.7 Trenching - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1247	0.4154	1.2138	2.9700e-003		0.0117	0.0117		0.0117	0.0117	0.0000	280.2225	280.2225	9.9900e-003	0.0000	280.4722
Total	**0.1247**	**0.4154**	**1.2138**	**2.9700e-003**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**280.2225**	**280.2225**	**9.9900e-003**	**0.0000**	**280.4722**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.5300e-003	8.3000e-004	0.0129	4.0000e-005	5.7500e-003	2.0000e-005	5.7600e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	3.6134	3.6134	9.0000e-005	1.0000e-004	3.6468
Total	**1.5300e-003**	**8.3000e-004**	**0.0129**	**4.0000e-005**	**5.7500e-003**	**2.0000e-005**	**5.7600e-003**	**1.5300e-003**	**2.0000e-005**	**1.5500e-003**	**0.0000**	**3.6134**	**3.6134**	**9.0000e-005**	**1.0000e-004**	**3.6468**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:43 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1247	0.4154	1.2138	2.9700e-003		0.0117	0.0117		0.0117	0.0117	0.0000	280.2222	280.2222	9.9900e-003	0.0000	280.4719
Total	**0.1247**	**0.4154**	**1.2138**	**2.9700e-003**		**0.0117**	**0.0117**		**0.0117**	**0.0117**	**0.0000**	**280.2222**	**280.2222**	**9.9900e-003**	**0.0000**	**280.4719**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.5300e-003	8.3000e-004	0.0129	4.0000e-005	5.7500e-003	2.0000e-005	5.7600e-003	1.5300e-003	2.0000e-005	1.5500e-003	0.0000	3.6134	3.6134	9.0000e-005	1.0000e-004	3.6468
Total	**1.5300e-003**	**8.3000e-004**	**0.0129**	**4.0000e-005**	**5.7500e-003**	**2.0000e-005**	**5.7600e-003**	**1.5300e-003**	**2.0000e-005**	**1.5500e-003**	**0.0000**	**3.6134**	**3.6134**	**9.0000e-005**	**1.0000e-004**	**3.6468**

Construction (Phase 3)

Summer Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Valley's Edge Specific Plan Project - Construction (Phase 3)

Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	120.00	1000sqft	0.00	120,000.00	0
Other Asphalt Surfaces	13.33	Acre	13.33	580,654.80	0
Health Club	3.84	1000sqft	0.00	3,840.00	0
Apartments Low Rise	279.00	Dwelling Unit	0.00	456,323.00	798
Apartments Mid Rise	65.00	Dwelling Unit	0.00	58,467.00	186
Single Family Housing	112.00	Dwelling Unit	0.00	381,851.00	320
Single Family Housing	309.00	Dwelling Unit	70.24	682,621.00	884
Free-Standing Discount store	13.00	1000sqft	0.00	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Land Use - Phase 3: VLDR: 92 du, LDR: 127 du, MDR: 127 du, MHDR: 65 du, Senior VLDR: 20, Senior LDR: 180 du, Senior MDR: 152 du, Office: 120 ksf, Retail: 13 ksf, Clubhouses: 3.84 ksf, Paving: 13.33 acres. 70.24 Acre site.

Construction Phase - Construction would occur between 4/1/2033 to 4/30/2039.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated disturbed acres.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	110.00	153.00
tblConstructionPhase	NumDays	1,550.00	841.00
tblConstructionPhase	NumDays	155.00	153.00
tblConstructionPhase	NumDays	110.00	153.00
tblConstructionPhase	NumDays	60.00	30.00
tblConstructionPhase	PhaseEndDate	11/8/2040	8/20/2038
tblConstructionPhase	PhaseEndDate	1/5/2040	1/19/2038

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

tblConstructionPhase	PhaseEndDate	1/26/2034	12/13/2033
tblConstructionPhase	PhaseEndDate	6/7/2040	8/20/2038
tblConstructionPhase	PhaseEndDate	6/23/2033	5/12/2033
tblConstructionPhase	PhaseStartDate	6/8/2040	1/20/2038
tblConstructionPhase	PhaseStartDate	1/27/2034	10/31/2034
tblConstructionPhase	PhaseStartDate	6/24/2033	5/13/2033
tblConstructionPhase	PhaseStartDate	1/6/2040	1/20/2038
tblGrading	AcresOfGrading	535.50	70.24
tblGrading	AcresOfGrading	15.00	70.24
tblLandUse	LandUseSquareFeet	279,000.00	456,323.00
tblLandUse	LandUseSquareFeet	65,000.00	58,467.00
tblLandUse	LandUseSquareFeet	201,600.00	381,851.00
tblLandUse	LandUseSquareFeet	556,200.00	682,621.00
tblLandUse	LotAcreage	2.75	0.00
tblLandUse	LotAcreage	0.09	0.00
tblLandUse	LotAcreage	17.44	0.00
tblLandUse	LotAcreage	1.71	0.00
tblLandUse	LotAcreage	36.36	0.00
tblLandUse	LotAcreage	100.32	70.24
tblLandUse	LotAcreage	0.30	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	5.1343	20.2012	32.6553	0.1068	8.5717	0.6859	8.7382	3.5960	0.6859	4.0899	0.0000	11,521.0598	11,521.0598	0.4529	2.9100e-003	11,533.2502
2034	2.1398	11.6619	21.1576	0.0724	5.3045	0.1167	5.4212	1.4327	0.1137	1.5465	0.0000	7,359.6343	7,359.6343	0.1282	0.5264	7,519.7191
2035	2.0219	11.4045	20.8072	0.0716	5.3045	0.0981	5.4025	1.4327	0.0951	1.5279	0.0000	7,281.5202	7,281.5202	0.1218	0.5202	7,439.5966
2036	2.0219	11.4045	20.8072	0.0716	5.3045	0.0981	5.4025	1.4327	0.0951	1.5279	0.0000	7,281.5202	7,281.5202	0.1218	0.5202	7,439.5966
2037	2.0219	11.4045	20.8072	0.0716	5.3045	0.0981	5.4025	1.4327	0.0951	1.5279	0.0000	7,281.5202	7,281.5202	0.1218	0.5202	7,439.5966
2038	71.8800	11.4045	20.8072	0.0716	5.3045	0.1487	5.4025	1.4327	0.1485	1.5279	0.0000	7,281.5202	7,281.5202	0.1218	0.5202	7,439.5966
Maximum	**71.8800**	**20.2012**	**32.6553**	**0.1068**	**8.5717**	**0.6859**	**8.7382**	**3.5960**	**0.6859**	**4.0899**	**0.0000**	**11,521.0598**	**11,521.0598**	**0.4529**	**0.5264**	**11,533.2502**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	5.1343	20.2012	32.6553	0.1068	3.8940	0.6859	4.0604	1.6279	0.6859	2.2404	0.0000	11,521.0598	11,521.0598	0.4529	2.9100e-003	11,533.2502
2034	2.1398	11.6619	21.1576	0.0724	5.3045	0.1167	5.4212	1.4327	0.1137	1.5465	0.0000	7,359.6342	7,359.6342	0.1282	0.5264	7,519.7191
2035	2.0219	11.4045	20.8072	0.0716	5.3045	0.0981	5.4025	1.4327	0.0951	1.5279	0.0000	7,281.5202	7,281.5202	0.1218	0.5202	7,439.5966
2036	2.0219	11.4045	20.8072	0.0716	5.3045	0.0981	5.4025	1.4327	0.0951	1.5279	0.0000	7,281.5202	7,281.5202	0.1218	0.5202	7,439.5966
2037	2.0219	11.4045	20.8072	0.0716	5.3045	0.0981	5.4025	1.4327	0.0951	1.5279	0.0000	7,281.5202	7,281.5202	0.1218	0.5202	7,439.5966
2038	71.8800	11.4045	20.8072	0.0716	5.3045	0.1487	5.4025	1.4327	0.1485	1.5279	0.0000	7,281.5202	7,281.5202	0.1218	0.5202	7,439.5966
Maximum	**71.8800**	**20.2012**	**32.6553**	**0.1068**	**5.3045**	**0.6859**	**5.4212**	**1.6279**	**0.6859**	**2.2404**	**0.0000**	**11,521.0598**	**11,521.0598**	**0.4529**	**0.5264**	**11,533.2502**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**13.33**	**0.00**	**13.08**	**18.29**	**0.00**	**15.74**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2033	5/12/2033	5	30	
2	Grading	Grading	5/13/2033	12/13/2033	5	153	
3	Building Construction	Building Construction	10/31/2034	1/19/2038	5	841	
4	Paving	Paving	1/20/2038	8/20/2038	5	153	
5	Architectural Coating	Architectural Coating	1/20/2038	8/20/2038	5	153	
6	Trenching	Trenching	5/13/2033	10/30/2034	5	382	

Acres of Grading (Site Preparation Phase): 70.24

Acres of Grading (Grading Phase): 70.24

Acres of Paving: 13.33

Residential Indoor: 3,198,006; Residential Outdoor: 1,066,002; Non-Residential Indoor: 205,260; Non-Residential Outdoor: 68,420; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	152.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	754.00	200.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.5051	0.0000	8.5051	3.5783	0.0000	3.5783			0.0000			0.0000
Off-Road	1.1686	4.4255	5.2929	0.0240		0.1663	0.1663		0.1663	0.1663		2,529.0613	2,529.0613	0.1037		2,531.6544
Total	**1.1686**	**4.4255**	**5.2929**	**0.0240**	**8.5051**	**0.1663**	**8.6713**	**3.5783**	**0.1663**	**3.7446**		**2,529.0613**	**2,529.0613**	**0.1037**		**2,531.6544**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0226	9.1000e-003	0.1703	4.9000e-004	0.0667	2.1000e-004	0.0669	0.0177	2.0000e-004	0.0179		49.4699	49.4699	1.0800e-003	1.2500e-003	49.8685
Total	**0.0226**	**9.1000e-003**	**0.1703**	**4.9000e-004**	**0.0667**	**2.1000e-004**	**0.0669**	**0.0177**	**2.0000e-004**	**0.0179**		**49.4699**	**49.4699**	**1.0800e-003**	**1.2500e-003**	**49.8685**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.8273	0.0000	3.8273	1.6103	0.0000	1.6103			0.0000			0.0000
Off-Road	1.1686	4.4255	5.2929	0.0240		0.1663	0.1663		0.1663	0.1663	0.0000	2,529.0613	2,529.0613	0.1037		2,531.6544
Total	**1.1686**	**4.4255**	**5.2929**	**0.0240**	**3.8273**	**0.1663**	**3.9936**	**1.6103**	**0.1663**	**1.7765**	**0.0000**	**2,529.0613**	**2,529.0613**	**0.1037**		**2,531.6544**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0226	9.1000e-003	0.1703	4.9000e-004	0.0667	2.1000e-004	0.0669	0.0177	2.0000e-004	0.0179		49.4699	49.4699	1.0800e-003	1.2500e-003	49.8685
Total	**0.0226**	**9.1000e-003**	**0.1703**	**4.9000e-004**	**0.0667**	**2.1000e-004**	**0.0669**	**0.0177**	**2.0000e-004**	**0.0179**		**49.4699**	**49.4699**	**1.0800e-003**	**1.2500e-003**	**49.8685**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.3 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5090	0.0000	6.5090	3.3628	0.0000	3.3628			0.0000			0.0000
Off-Road	3.9270	16.3335	21.0192	0.0782		0.5771	0.5771		0.5771	0.5771		8,545.5145	8,545.5145	0.3485		8,554.2266
Total	**3.9270**	**16.3335**	**21.0192**	**0.0782**	**6.5090**	**0.5771**	**7.0860**	**3.3628**	**0.5771**	**3.9399**		**8,545.5145**	**8,545.5145**	**0.3485**		**8,554.2266**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0339	0.0137	0.2555	7.3000e-004	0.1000	3.2000e-004	0.1003	0.0265	2.9000e-004	0.0268		74.2049	74.2049	1.6300e-003	1.8700e-003	74.8028
Total	**0.0339**	**0.0137**	**0.2555**	**7.3000e-004**	**0.1000**	**3.2000e-004**	**0.1003**	**0.0265**	**2.9000e-004**	**0.0268**		**74.2049**	**74.2049**	**1.6300e-003**	**1.8700e-003**	**74.8028**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9290	0.0000	2.9290	1.5133	0.0000	1.5133			0.0000			0.0000
Off-Road	3.9270	16.3335	21.0192	0.0782		0.5771	0.5771		0.5771	0.5771	0.0000	8,545.5145	8,545.5145	0.3485		8,554.2266
Total	**3.9270**	**16.3335**	**21.0192**	**0.0782**	**2.9290**	**0.5771**	**3.5061**	**1.5133**	**0.5771**	**2.0903**	**0.0000**	**8,545.5145**	**8,545.5145**	**0.3485**		**8,554.2266**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0339	0.0137	0.2555	7.3000e-004	0.1000	3.2000e-004	0.1003	0.0265	2.9000e-004	0.0268		74.2049	74.2049	1.6300e-003	1.8700e-003	74.8028
Total	**0.0339**	**0.0137**	**0.2555**	**7.3000e-004**	**0.1000**	**3.2000e-004**	**0.1003**	**0.0265**	**2.9000e-004**	**0.0268**		**74.2049**	**74.2049**	**1.6300e-003**	**1.8700e-003**	**74.8028**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.4 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578		1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**		**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2137	7.6049	2.5882	0.0289	1.1154	0.0465	1.1619	0.3213	0.0445	0.3658		3,050.4413	3,050.4413	0.0110	0.4503	3,184.8936
Worker	1.3152	0.5365	10.3010	0.0302	4.1891	0.0124	4.2015	1.1115	0.0115	1.1229		3,054.5040	3,054.5040	0.0633	0.0762	3,078.7883
Total	**1.5289**	**8.1414**	**12.8892**	**0.0591**	**5.3045**	**0.0590**	**5.3634**	**1.4327**	**0.0560**	**1.4887**		**6,104.9453**	**6,104.9453**	**0.0743**	**0.5264**	**6,263.6819**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578	0.0000	1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2137	7.6049	2.5882	0.0289	1.1154	0.0465	1.1619	0.3213	0.0445	0.3658		3,050.4413	3,050.4413	0.0110	0.4503	3,184.8936
Worker	1.3152	0.5365	10.3010	0.0302	4.1891	0.0124	4.2015	1.1115	0.0115	1.1229		3,054.5040	3,054.5040	0.0633	0.0762	3,078.7883
Total	**1.5289**	**8.1414**	**12.8892**	**0.0591**	**5.3045**	**0.0590**	**5.3634**	**1.4327**	**0.0560**	**1.4887**		**6,104.9453**	**6,104.9453**	**0.0743**	**0.5264**	**6,263.6819**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.4 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2120	7.5620	2.5882	0.0286	1.1154	0.0460	1.1614	0.3213	0.0440	0.3653		3,019.5338	3,019.5338	0.0110	0.4458	3,152.6440
Worker	1.2243	0.5089	9.9644	0.0298	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		3,007.2975	3,007.2975	0.0591	0.0745	3,030.9706
Total	**1.4363**	**8.0709**	**12.5526**	**0.0584**	**5.3045**	**0.0577**	**5.3621**	**1.4327**	**0.0547**	**1.4875**		**6,026.8313**	**6,026.8313**	**0.0700**	**0.5202**	**6,183.6146**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2120	7.5620	2.5882	0.0286	1.1154	0.0460	1.1614	0.3213	0.0440	0.3653		3,019.5338	3,019.5338	0.0110	0.4458	3,152.6440
Worker	1.2243	0.5089	9.9644	0.0298	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		3,007.2975	3,007.2975	0.0591	0.0745	3,030.9706
Total	**1.4363**	**8.0709**	**12.5526**	**0.0584**	**5.3045**	**0.0577**	**5.3621**	**1.4327**	**0.0547**	**1.4875**		**6,026.8313**	**6,026.8313**	**0.0700**	**0.5202**	**6,183.6146**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.4 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2120	7.5620	2.5882	0.0286	1.1154	0.0460	1.1614	0.3213	0.0440	0.3653		3,019.5338	3,019.5338	0.0110	0.4458	3,152.6440
Worker	1.2243	0.5089	9.9644	0.0298	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		3,007.2975	3,007.2975	0.0591	0.0745	3,030.9706
Total	**1.4363**	**8.0709**	**12.5526**	**0.0584**	**5.3045**	**0.0577**	**5.3621**	**1.4327**	**0.0547**	**1.4875**		**6,026.8313**	**6,026.8313**	**0.0700**	**0.5202**	**6,183.6146**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2120	7.5620	2.5882	0.0286	1.1154	0.0460	1.1614	0.3213	0.0440	0.3653		3,019.5338	3,019.5338	0.0110	0.4458	3,152.6440
Worker	1.2243	0.5089	9.9644	0.0298	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		3,007.2975	3,007.2975	0.0591	0.0745	3,030.9706
Total	**1.4363**	**8.0709**	**12.5526**	**0.0584**	**5.3045**	**0.0577**	**5.3621**	**1.4327**	**0.0547**	**1.4875**		**6,026.8313**	**6,026.8313**	**0.0700**	**0.5202**	**6,183.6146**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.4 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2120	7.5620	2.5882	0.0286	1.1154	0.0460	1.1614	0.3213	0.0440	0.3653		3,019.5338	3,019.5338	0.0110	0.4458	3,152.6440
Worker	1.2243	0.5089	9.9644	0.0298	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		3,007.2975	3,007.2975	0.0591	0.0745	3,030.9706
Total	**1.4363**	**8.0709**	**12.5526**	**0.0584**	**5.3045**	**0.0577**	**5.3621**	**1.4327**	**0.0547**	**1.4875**		**6,026.8313**	**6,026.8313**	**0.0700**	**0.5202**	**6,183.6146**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2120	7.5620	2.5882	0.0286	1.1154	0.0460	1.1614	0.3213	0.0440	0.3653		3,019.5338	3,019.5338	0.0110	0.4458	3,152.6440
Worker	1.2243	0.5089	9.9644	0.0298	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		3,007.2975	3,007.2975	0.0591	0.0745	3,030.9706
Total	**1.4363**	**8.0709**	**12.5526**	**0.0584**	**5.3045**	**0.0577**	**5.3621**	**1.4327**	**0.0547**	**1.4875**		**6,026.8313**	**6,026.8313**	**0.0700**	**0.5202**	**6,183.6146**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.4 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2120	7.5620	2.5882	0.0286	1.1154	0.0460	1.1614	0.3213	0.0440	0.3653		3,019.5338	3,019.5338	0.0110	0.4458	3,152.6440
Worker	1.2243	0.5089	9.9644	0.0298	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		3,007.2975	3,007.2975	0.0591	0.0745	3,030.9706
Total	**1.4363**	**8.0709**	**12.5526**	**0.0584**	**5.3045**	**0.0577**	**5.3621**	**1.4327**	**0.0547**	**1.4875**		**6,026.8313**	**6,026.8313**	**0.0700**	**0.5202**	**6,183.6146**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.2120	7.5620	2.5882	0.0286	1.1154	0.0460	1.1614	0.3213	0.0440	0.3653		3,019.5338	3,019.5338	0.0110	0.4458	3,152.6440
Worker	1.2243	0.5089	9.9644	0.0298	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		3,007.2975	3,007.2975	0.0591	0.0745	3,030.9706
Total	**1.4363**	**8.0709**	**12.5526**	**0.0584**	**5.3045**	**0.0577**	**5.3621**	**1.4327**	**0.0547**	**1.4875**		**6,026.8313**	**6,026.8313**	**0.0700**	**0.5202**	**6,183.6146**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.5 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9092	4.4404	12.6182	0.0218		0.1330	0.1330		0.1330	0.1330		2,062.1933	2,062.1933	0.0815		2,064.2317
Paving	0.2283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1375**	**4.4404**	**12.6182**	**0.0218**		**0.1330**	**0.1330**		**0.1330**	**0.1330**		**2,062.1933**	**2,062.1933**	**0.0815**		**2,064.2317**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0227	9.4500e-003	0.1850	5.5000e-004	0.0778	2.2000e-004	0.0780	0.0206	2.0000e-004	0.0208		55.8384	55.8384	1.1000e-003	1.3800e-003	56.2780
Total	**0.0227**	**9.4500e-003**	**0.1850**	**5.5000e-004**	**0.0778**	**2.2000e-004**	**0.0780**	**0.0206**	**2.0000e-004**	**0.0208**		**55.8384**	**55.8384**	**1.1000e-003**	**1.3800e-003**	**56.2780**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9092	4.4404	12.6182	0.0218		0.1330	0.1330		0.1330	0.1330	0.0000	2,062.1933	2,062.1933	0.0815		2,064.2317
Paving	0.2283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1375**	**4.4404**	**12.6182**	**0.0218**		**0.1330**	**0.1330**		**0.1330**	**0.1330**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0815**		**2,064.2317**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0227	9.4500e-003	0.1850	5.5000e-004	0.0778	2.2000e-004	0.0780	0.0206	2.0000e-004	0.0208		55.8384	55.8384	1.1000e-003	1.3800e-003	56.2780
Total	**0.0227**	**9.4500e-003**	**0.1850**	**5.5000e-004**	**0.0778**	**2.2000e-004**	**0.0780**	**0.0206**	**2.0000e-004**	**0.0208**		**55.8384**	**55.8384**	**1.1000e-003**	**1.3800e-003**	**56.2780**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.6 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	70.3158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107
Total	**70.4729**	**1.0103**	**2.3924**	**3.9600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**		**375.2641**	**375.2641**	**0.0139**		**375.6107**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2468	0.1026	2.0087	6.0000e-003	0.8445	2.3500e-003	0.8468	0.2241	2.1600e-003	0.2262		606.2457	606.2457	0.0119	0.0150	611.0180
Total	**0.2468**	**0.1026**	**2.0087**	**6.0000e-003**	**0.8445**	**2.3500e-003**	**0.8468**	**0.2241**	**2.1600e-003**	**0.2262**		**606.2457**	**606.2457**	**0.0119**	**0.0150**	**611.0180**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	70.3158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107
Total	**70.4729**	**1.0103**	**2.3924**	**3.9600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**375.2641**	**375.2641**	**0.0139**		**375.6107**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2468	0.1026	2.0087	6.0000e-003	0.8445	2.3500e-003	0.8468	0.2241	2.1600e-003	0.2262		606.2457	606.2457	0.0119	0.0150	611.0180
Total	**0.2468**	**0.1026**	**2.0087**	**6.0000e-003**	**0.8445**	**2.3500e-003**	**0.8468**	**0.2241**	**2.1600e-003**	**0.2262**		**606.2457**	**606.2457**	**0.0119**	**0.0150**	**611.0180**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.7 Trenching - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1545	3.8465	11.2387	0.0275		0.1083	0.1083		0.1083	0.1083		2,860.1156	2,860.1156	0.1019		2,862.6637
Total	**1.1545**	**3.8465**	**11.2387**	**0.0275**		**0.1083**	**0.1083**		**0.1083**	**0.1083**		**2,860.1156**	**2,860.1156**	**0.1019**		**2,862.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	7.5800e-003	0.1419	4.1000e-004	0.0556	1.8000e-004	0.0557	0.0147	1.6000e-004	0.0149		41.2249	41.2249	9.0000e-004	1.0400e-003	41.5571
Total	**0.0188**	**7.5800e-003**	**0.1419**	**4.1000e-004**	**0.0556**	**1.8000e-004**	**0.0557**	**0.0147**	**1.6000e-004**	**0.0149**		**41.2249**	**41.2249**	**9.0000e-004**	**1.0400e-003**	**41.5571**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1545	3.8465	11.2387	0.0275		0.1083	0.1083		0.1083	0.1083	0.0000	2,860.1156	2,860.1156	0.1019		2,862.6637
Total	**1.1545**	**3.8465**	**11.2387**	**0.0275**		**0.1083**	**0.1083**		**0.1083**	**0.1083**	**0.0000**	**2,860.1156**	**2,860.1156**	**0.1019**		**2,862.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	7.5800e-003	0.1419	4.1000e-004	0.0556	1.8000e-004	0.0557	0.0147	1.6000e-004	0.0149		41.2249	41.2249	9.0000e-004	1.0400e-003	41.5571
Total	**0.0188**	**7.5800e-003**	**0.1419**	**4.1000e-004**	**0.0556**	**1.8000e-004**	**0.0557**	**0.0147**	**1.6000e-004**	**0.0149**		**41.2249**	**41.2249**	**9.0000e-004**	**1.0400e-003**	**41.5571**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

3.7 Trenching - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1545	3.8465	11.2387	0.0275		0.1083	0.1083		0.1083	0.1083		2,860.1156	2,860.1156	0.1019		2,862.6637
Total	**1.1545**	**3.8465**	**11.2387**	**0.0275**		**0.1083**	**0.1083**		**0.1083**	**0.1083**		**2,860.1156**	**2,860.1156**	**0.1019**		**2,862.6637**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0174	7.1200e-003	0.1366	4.0000e-004	0.0556	1.7000e-004	0.0557	0.0147	1.5000e-004	0.0149		40.5107	40.5107	8.4000e-004	1.0100e-003	40.8327
Total	**0.0174**	**7.1200e-003**	**0.1366**	**4.0000e-004**	**0.0556**	**1.7000e-004**	**0.0557**	**0.0147**	**1.5000e-004**	**0.0149**		**40.5107**	**40.5107**	**8.4000e-004**	**1.0100e-003**	**40.8327**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 9:44 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1545	3.8465	11.2387	0.0275		0.1083	0.1083		0.1083	0.1083	0.0000	2,860.1156	2,860.1156	0.1019		2,862.6637
Total	**1.1545**	**3.8465**	**11.2387**	**0.0275**		**0.1083**	**0.1083**		**0.1083**	**0.1083**	**0.0000**	**2,860.1156**	**2,860.1156**	**0.1019**		**2,862.6637**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0174	7.1200e-003	0.1366	4.0000e-004	0.0556	1.7000e-004	0.0557	0.0147	1.5000e-004	0.0149		40.5107	40.5107	8.4000e-004	1.0100e-003	40.8327
Total	**0.0174**	**7.1200e-003**	**0.1366**	**4.0000e-004**	**0.0556**	**1.7000e-004**	**0.0557**	**0.0147**	**1.5000e-004**	**0.0149**		**40.5107**	**40.5107**	**8.4000e-004**	**1.0100e-003**	**40.8327**

Construction (Phase 3)

Winter Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Valley's Edge Specific Plan Project - Construction (Phase 3)

Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	120.00	1000sqft	0.00	120,000.00	0
Other Asphalt Surfaces	13.33	Acre	13.33	580,654.80	0
Health Club	3.84	1000sqft	0.00	3,840.00	0
Apartments Low Rise	279.00	Dwelling Unit	0.00	456,323.00	798
Apartments Mid Rise	65.00	Dwelling Unit	0.00	58,467.00	186
Single Family Housing	112.00	Dwelling Unit	0.00	381,851.00	320
Single Family Housing	309.00	Dwelling Unit	70.24	682,621.00	884
Free-Standing Discount store	13.00	1000sqft	0.00	13,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Land Use - Phase 3: VLDR: 92 du, LDR: 127 du, MDR: 127 du, MHDR: 65 du, Senior VLDR: 20, Senior LDR: 180 du, Senior MDR: 152 du, Office: 120 ksf, Retail: 13 ksf, Clubhouses: 3.84 ksf, Paving: 13.33 acres. 70.24 Acre site.

Construction Phase - Construction would occur between 4/1/2033 to 4/30/2039.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Trips and VMT - Defualt trips assumed.

Grading - Updated disturbed acres.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	0.00	34,839.00
tblArchitecturalCoating	EF_Parking	0.00	150.00
tblAreaCoating	Area_Parking	0	34839
tblConstructionPhase	NumDays	110.00	153.00
tblConstructionPhase	NumDays	1,550.00	841.00
tblConstructionPhase	NumDays	155.00	153.00
tblConstructionPhase	NumDays	110.00	153.00
tblConstructionPhase	NumDays	60.00	30.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	5.1188	20.1990	32.5899	0.1066	8.5717	0.6855	8.7380	3.5960	0.6854	4.0895	0.0000	11,492.3478	11,492.3478	0.4530	3.3100e-003	11,504.6603
2034	1.8801	12.4055	20.3268	0.0690	5.3045	0.1169	5.4214	1.4327	0.1139	1.5466	0.0000	7,015.5954	7,015.5954	0.1412	0.5387	7,179.6663
2035	1.7829	12.1388	20.0220	0.0683	5.3045	0.0982	5.4027	1.4327	0.0953	1.5280	0.0000	6,942.7998	6,942.7998	0.1341	0.5323	7,104.7654
2036	1.7829	12.1388	20.0220	0.0683	5.3045	0.0982	5.4027	1.4327	0.0953	1.5280	0.0000	6,942.7998	6,942.7998	0.1341	0.5323	7,104.7654
2037	1.7829	12.1388	20.0220	0.0683	5.3045	0.0982	5.4027	1.4327	0.0953	1.5280	0.0000	6,942.7998	6,942.7998	0.1341	0.5323	7,104.7654
2038	71.8316	12.1388	20.0220	0.0683	5.3045	0.1488	5.4027	1.4327	0.1486	1.5280	0.0000	6,942.7998	6,942.7998	0.1341	0.5323	7,104.7654
Maximum	**71.8316**	**20.1990**	**32.5899**	**0.1066**	**8.5717**	**0.6855**	**8.7380**	**3.5960**	**0.6854**	**4.0895**	**0.0000**	**11,492.3478**	**11,492.3478**	**0.4530**	**0.5387**	**11,504.6603**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2033	5.1188	20.1990	32.5899	0.1066	3.8940	0.6855	4.0602	1.6279	0.6854	2.2400	0.0000	11,492.3478	11,492.3478	0.4530	3.3100e-003	11,504.6603
2034	1.8801	12.4055	20.3268	0.0690	5.3045	0.1169	5.4214	1.4327	0.1139	1.5466	0.0000	7,015.5954	7,015.5954	0.1412	0.5387	7,179.6663
2035	1.7829	12.1388	20.0220	0.0683	5.3045	0.0982	5.4027	1.4327	0.0953	1.5280	0.0000	6,942.7997	6,942.7997	0.1341	0.5323	7,104.7654
2036	1.7829	12.1388	20.0220	0.0683	5.3045	0.0982	5.4027	1.4327	0.0953	1.5280	0.0000	6,942.7997	6,942.7997	0.1341	0.5323	7,104.7654
2037	1.7829	12.1388	20.0220	0.0683	5.3045	0.0982	5.4027	1.4327	0.0953	1.5280	0.0000	6,942.7997	6,942.7997	0.1341	0.5323	7,104.7654
2038	71.8316	12.1388	20.0220	0.0683	5.3045	0.1488	5.4027	1.4327	0.1486	1.5280	0.0000	6,942.7997	6,942.7997	0.1341	0.5323	7,104.7654
Maximum	**71.8316**	**20.1990**	**32.5899**	**0.1066**	**5.3045**	**0.6855**	**5.4214**	**1.6279**	**0.6854**	**2.2400**	**0.0000**	**11,492.3478**	**11,492.3478**	**0.4530**	**0.5387**	**11,504.6603**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**13.33**	**0.00**	**13.08**	**18.29**	**0.00**	**15.74**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2033	5/12/2033	5	30	
2	Grading	Grading	5/13/2033	12/13/2033	5	153	
3	Trenching	Trenching	5/13/2033	10/30/2034	5	382	
4	Building Construction	Building Construction	10/31/2034	1/19/2038	5	841	
5	Paving	Paving	1/20/2038	8/20/2038	5	153	
6	Architectural Coating	Architectural Coating	1/20/2038	8/20/2038	5	153	

Acres of Grading (Site Preparation Phase): 70.24

Acres of Grading (Grading Phase): 70.24

Acres of Paving: 13.33

Residential Indoor: 3,198,006; Residential Outdoor: 1,066,002; Non-Residential Indoor: 205,260; Non-Residential Outdoor: 68,420; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48
Trenching	Excavators	1	8.00	158	0.38
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	12.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	754.00	200.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	152.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.5051	0.0000	8.5051	3.5783	0.0000	3.5783			0.0000			0.0000
Off-Road	1.1657	4.4193	5.2781	0.0239		0.1660	0.1660		0.1660	0.1660		2,521.4057	2,521.4057	0.1035		2,523.9923
Total	**1.1657**	**4.4193**	**5.2781**	**0.0239**	**8.5051**	**0.1660**	**8.6711**	**3.5783**	**0.1660**	**3.7444**		**2,521.4057**	**2,521.4057**	**0.1035**		**2,523.9923**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0184	0.0111	0.1545	4.3000e-004	0.0667	2.1000e-004	0.0669	0.0177	2.0000e-004	0.0179		43.7662	43.7662	1.3200e-003	1.4200e-003	44.2225
Total	**0.0184**	**0.0111**	**0.1545**	**4.3000e-004**	**0.0667**	**2.1000e-004**	**0.0669**	**0.0177**	**2.0000e-004**	**0.0179**		**43.7662**	**43.7662**	**1.3200e-003**	**1.4200e-003**	**44.2225**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.8273	0.0000	3.8273	1.6103	0.0000	1.6103			0.0000			0.0000
Off-Road	1.1657	4.4193	5.2781	0.0239		0.1660	0.1660		0.1660	0.1660	0.0000	2,521.4057	2,521.4057	0.1035		2,523.9923
Total	**1.1657**	**4.4193**	**5.2781**	**0.0239**	**3.8273**	**0.1660**	**3.9933**	**1.6103**	**0.1660**	**1.7763**	**0.0000**	**2,521.4057**	**2,521.4057**	**0.1035**		**2,523.9923**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0184	0.0111	0.1545	4.3000e-004	0.0667	2.1000e-004	0.0669	0.0177	2.0000e-004	0.0179		43.7662	43.7662	1.3200e-003	1.4200e-003	44.2225
Total	**0.0184**	**0.0111**	**0.1545**	**4.3000e-004**	**0.0667**	**2.1000e-004**	**0.0669**	**0.0177**	**2.0000e-004**	**0.0179**		**43.7662**	**43.7662**	**1.3200e-003**	**1.4200e-003**	**44.2225**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.3 Grading - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5090	0.0000	6.5090	3.3628	0.0000	3.3628			0.0000			0.0000
Off-Road	3.9241	16.3273	21.0043	0.0781		0.5769	0.5769		0.5769	0.5769		8,537.8589	8,537.8589	0.3482		8,546.5646
Total	**3.9241**	**16.3273**	**21.0043**	**0.0781**	**6.5090**	**0.5769**	**7.0858**	**3.3628**	**0.5769**	**3.9397**		**8,537.8589**	**8,537.8589**	**0.3482**		**8,546.5646**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0275	0.0166	0.2318	6.5000e-004	0.1000	3.2000e-004	0.1003	0.0265	2.9000e-004	0.0268		65.6494	65.6494	1.9700e-003	2.1300e-003	66.3337
Total	**0.0275**	**0.0166**	**0.2318**	**6.5000e-004**	**0.1000**	**3.2000e-004**	**0.1003**	**0.0265**	**2.9000e-004**	**0.0268**		**65.6494**	**65.6494**	**1.9700e-003**	**2.1300e-003**	**66.3337**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.9290	0.0000	2.9290	1.5133	0.0000	1.5133			0.0000			0.0000
Off-Road	3.9241	16.3273	21.0043	0.0781		0.5769	0.5769		0.5769	0.5769	0.0000	8,537.8589	8,537.8589	0.3482		8,546.5646
Total	**3.9241**	**16.3273**	**21.0043**	**0.0781**	**2.9290**	**0.5769**	**3.5059**	**1.5133**	**0.5769**	**2.0901**	**0.0000**	**8,537.8589**	**8,537.8589**	**0.3482**		**8,546.5646**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0275	0.0166	0.2318	6.5000e-004	0.1000	3.2000e-004	0.1003	0.0265	2.9000e-004	0.0268		65.6494	65.6494	1.9700e-003	2.1300e-003	66.3337
Total	**0.0275**	**0.0166**	**0.2318**	**6.5000e-004**	**0.1000**	**3.2000e-004**	**0.1003**	**0.0265**	**2.9000e-004**	**0.0268**		**65.6494**	**65.6494**	**1.9700e-003**	**2.1300e-003**	**66.3337**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.4 Trenching - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1519	3.8459	11.2250	0.0274		0.1081	0.1081		0.1081	0.1081		2,852.3677	2,852.3677	0.1017		2,854.9101
Total	**1.1519**	**3.8459**	**11.2250**	**0.0274**		**0.1081**	**0.1081**		**0.1081**	**0.1081**		**2,852.3677**	**2,852.3677**	**0.1017**		**2,854.9101**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	9.2200e-003	0.1288	3.6000e-004	0.0556	1.8000e-004	0.0557	0.0147	1.6000e-004	0.0149		36.4719	36.4719	1.1000e-003	1.1800e-003	36.8520
Total	**0.0153**	**9.2200e-003**	**0.1288**	**3.6000e-004**	**0.0556**	**1.8000e-004**	**0.0557**	**0.0147**	**1.6000e-004**	**0.0149**		**36.4719**	**36.4719**	**1.1000e-003**	**1.1800e-003**	**36.8520**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1519	3.8459	11.2250	0.0274		0.1081	0.1081		0.1081	0.1081	0.0000	2,852.3677	2,852.3677	0.1017		2,854.9101
Total	**1.1519**	**3.8459**	**11.2250**	**0.0274**		**0.1081**	**0.1081**		**0.1081**	**0.1081**	**0.0000**	**2,852.3677**	**2,852.3677**	**0.1017**		**2,854.9101**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0153	9.2200e-003	0.1288	3.6000e-004	0.0556	1.8000e-004	0.0557	0.0147	1.6000e-004	0.0149		36.4719	36.4719	1.1000e-003	1.1800e-003	36.8520
Total	**0.0153**	**9.2200e-003**	**0.1288**	**3.6000e-004**	**0.0556**	**1.8000e-004**	**0.0557**	**0.0147**	**1.6000e-004**	**0.0149**		**36.4719**	**36.4719**	**1.1000e-003**	**1.1800e-003**	**36.8520**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.4 Trenching - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1519	3.8459	11.2250	0.0274		0.1081	0.1081		0.1081	0.1081		2,852.3677	2,852.3677	0.1017		2,854.9101
Total	**1.1519**	**3.8459**	**11.2250**	**0.0274**		**0.1081**	**0.1081**		**0.1081**	**0.1081**		**2,852.3677**	**2,852.3677**	**0.1017**		**2,854.9101**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0142	8.6500e-003	0.1242	3.5000e-004	0.0556	1.7000e-004	0.0557	0.0147	1.5000e-004	0.0149		35.8385	35.8385	1.0200e-003	1.1500e-003	36.2070
Total	**0.0142**	**8.6500e-003**	**0.1242**	**3.5000e-004**	**0.0556**	**1.7000e-004**	**0.0557**	**0.0147**	**1.5000e-004**	**0.0149**		**35.8385**	**35.8385**	**1.0200e-003**	**1.1500e-003**	**36.2070**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.1519	3.8459	11.2250	0.0274		0.1081	0.1081		0.1081	0.1081	0.0000	2,852.3677	2,852.3677	0.1017		2,854.9101
Total	**1.1519**	**3.8459**	**11.2250**	**0.0274**		**0.1081**	**0.1081**		**0.1081**	**0.1081**	**0.0000**	**2,852.3677**	**2,852.3677**	**0.1017**		**2,854.9101**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0142	8.6500e-003	0.1242	3.5000e-004	0.0556	1.7000e-004	0.0557	0.0147	1.5000e-004	0.0149		35.8385	35.8385	1.0200e-003	1.1500e-003	36.2070
Total	**0.0142**	**8.6500e-003**	**0.1242**	**3.5000e-004**	**0.0556**	**1.7000e-004**	**0.0557**	**0.0147**	**1.5000e-004**	**0.0149**		**35.8385**	**35.8385**	**1.0200e-003**	**1.1500e-003**	**36.2070**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578		1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**		**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1976	8.2330	2.6918	0.0290	1.1154	0.0467	1.1621	0.3213	0.0447	0.3660		3,058.6849	3,058.6849	0.0103	0.4519	3,193.6212
Worker	1.0717	0.6520	9.3666	0.0267	4.1891	0.0124	4.2015	1.1115	0.0115	1.1229		2,702.2215	2,702.2215	0.0770	0.0868	2,730.0078
Total	**1.2693**	**8.8850**	**12.0583**	**0.0557**	**5.3045**	**0.0591**	**5.3636**	**1.4327**	**0.0561**	**1.4889**		**5,760.9064**	**5,760.9064**	**0.0873**	**0.5387**	**5,923.6290**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6109	3.5205	8.2684	0.0133		0.0578	0.0578		0.0578	0.0578	0.0000	1,254.6890	1,254.6890	0.0539		1,256.0372
Total	**0.6109**	**3.5205**	**8.2684**	**0.0133**		**0.0578**	**0.0578**		**0.0578**	**0.0578**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0539**		**1,256.0372**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1976	8.2330	2.6918	0.0290	1.1154	0.0467	1.1621	0.3213	0.0447	0.3660		3,058.6849	3,058.6849	0.0103	0.4519	3,193.6212
Worker	1.0717	0.6520	9.3666	0.0267	4.1891	0.0124	4.2015	1.1115	0.0115	1.1229		2,702.2215	2,702.2215	0.0770	0.0868	2,730.0078
Total	**1.2693**	**8.8850**	**12.0583**	**0.0557**	**5.3045**	**0.0591**	**5.3636**	**1.4327**	**0.0561**	**1.4889**		**5,760.9064**	**5,760.9064**	**0.0873**	**0.5387**	**5,923.6290**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1957	8.1870	2.6919	0.0287	1.1154	0.0462	1.1616	0.3213	0.0442	0.3655		3,027.7533	3,027.7533	0.0103	0.4474	3,161.3446
Worker	1.0016	0.6182	9.0756	0.0263	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		2,660.3574	2,660.3574	0.0720	0.0848	2,687.4388
Total	**1.1973**	**8.8052**	**11.7674**	**0.0550**	**5.3045**	**0.0578**	**5.3623**	**1.4327**	**0.0549**	**1.4876**		**5,688.1108**	**5,688.1108**	**0.0823**	**0.5323**	**5,848.7834**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1957	8.1870	2.6919	0.0287	1.1154	0.0462	1.1616	0.3213	0.0442	0.3655		3,027.7533	3,027.7533	0.0103	0.4474	3,161.3446
Worker	1.0016	0.6182	9.0756	0.0263	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		2,660.3574	2,660.3574	0.0720	0.0848	2,687.4388
Total	**1.1973**	**8.8052**	**11.7674**	**0.0550**	**5.3045**	**0.0578**	**5.3623**	**1.4327**	**0.0549**	**1.4876**		**5,688.1108**	**5,688.1108**	**0.0823**	**0.5323**	**5,848.7834**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.5 Building Construction - 2036

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1957	8.1870	2.6919	0.0287	1.1154	0.0462	1.1616	0.3213	0.0442	0.3655		3,027.7533	3,027.7533	0.0103	0.4474	3,161.3446
Worker	1.0016	0.6182	9.0756	0.0263	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		2,660.3574	2,660.3574	0.0720	0.0848	2,687.4388
Total	**1.1973**	**8.8052**	**11.7674**	**0.0550**	**5.3045**	**0.0578**	**5.3623**	**1.4327**	**0.0549**	**1.4876**		**5,688.1108**	**5,688.1108**	**0.0823**	**0.5323**	**5,848.7834**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1957	8.1870	2.6919	0.0287	1.1154	0.0462	1.1616	0.3213	0.0442	0.3655		3,027.7533	3,027.7533	0.0103	0.4474	3,161.3446
Worker	1.0016	0.6182	9.0756	0.0263	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		2,660.3574	2,660.3574	0.0720	0.0848	2,687.4388
Total	**1.1973**	**8.8052**	**11.7674**	**0.0550**	**5.3045**	**0.0578**	**5.3623**	**1.4327**	**0.0549**	**1.4876**		**5,688.1108**	**5,688.1108**	**0.0823**	**0.5323**	**5,848.7834**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.5 Building Construction - 2037

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1957	8.1870	2.6919	0.0287	1.1154	0.0462	1.1616	0.3213	0.0442	0.3655		3,027.7533	3,027.7533	0.0103	0.4474	3,161.3446
Worker	1.0016	0.6182	9.0756	0.0263	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		2,660.3574	2,660.3574	0.0720	0.0848	2,687.4388
Total	**1.1973**	**8.8052**	**11.7674**	**0.0550**	**5.3045**	**0.0578**	**5.3623**	**1.4327**	**0.0549**	**1.4876**		**5,688.1108**	**5,688.1108**	**0.0823**	**0.5323**	**5,848.7834**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1957	8.1870	2.6919	0.0287	1.1154	0.0462	1.1616	0.3213	0.0442	0.3655		3,027.7533	3,027.7533	0.0103	0.4474	3,161.3446
Worker	1.0016	0.6182	9.0756	0.0263	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		2,660.3574	2,660.3574	0.0720	0.0848	2,687.4388
Total	**1.1973**	**8.8052**	**11.7674**	**0.0550**	**5.3045**	**0.0578**	**5.3623**	**1.4327**	**0.0549**	**1.4876**		**5,688.1108**	**5,688.1108**	**0.0823**	**0.5323**	**5,848.7834**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.5 Building Construction - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1957	8.1870	2.6919	0.0287	1.1154	0.0462	1.1616	0.3213	0.0442	0.3655		3,027.7533	3,027.7533	0.0103	0.4474	3,161.3446
Worker	1.0016	0.6182	9.0756	0.0263	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		2,660.3574	2,660.3574	0.0720	0.0848	2,687.4388
Total	**1.1973**	**8.8052**	**11.7674**	**0.0550**	**5.3045**	**0.0578**	**5.3623**	**1.4327**	**0.0549**	**1.4876**		**5,688.1108**	**5,688.1108**	**0.0823**	**0.5323**	**5,848.7834**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1957	8.1870	2.6919	0.0287	1.1154	0.0462	1.1616	0.3213	0.0442	0.3655		3,027.7533	3,027.7533	0.0103	0.4474	3,161.3446
Worker	1.0016	0.6182	9.0756	0.0263	4.1891	0.0117	4.2007	1.1115	0.0107	1.1222		2,660.3574	2,660.3574	0.0720	0.0848	2,687.4388
Total	**1.1973**	**8.8052**	**11.7674**	**0.0550**	**5.3045**	**0.0578**	**5.3623**	**1.4327**	**0.0549**	**1.4876**		**5,688.1108**	**5,688.1108**	**0.0823**	**0.5323**	**5,848.7834**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.6 Paving - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9099	4.4443	12.6277	0.0218		0.1330	0.1330		0.1330	0.1330		2,063.6517	2,063.6517	0.0816		2,065.6915
Paving	0.2283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1382**	**4.4443**	**12.6277**	**0.0218**		**0.1330**	**0.1330**		**0.1330**	**0.1330**		**2,063.6517**	**2,063.6517**	**0.0816**		**2,065.6915**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0186	0.0115	0.1685	4.9000e-004	0.0778	2.2000e-004	0.0780	0.0206	2.0000e-004	0.0208		49.3966	49.3966	1.3400e-003	1.5800e-003	49.8994
Total	**0.0186**	**0.0115**	**0.1685**	**4.9000e-004**	**0.0778**	**2.2000e-004**	**0.0780**	**0.0206**	**2.0000e-004**	**0.0208**		**49.3966**	**49.3966**	**1.3400e-003**	**1.5800e-003**	**49.8994**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9099	4.4443	12.6277	0.0218		0.1330	0.1330		0.1330	0.1330	0.0000	2,063.6517	2,063.6517	0.0816		2,065.6915
Paving	0.2283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**1.1382**	**4.4443**	**12.6277**	**0.0218**		**0.1330**	**0.1330**		**0.1330**	**0.1330**	**0.0000**	**2,063.6517**	**2,063.6517**	**0.0816**		**2,065.6915**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0186	0.0115	0.1685	4.9000e-004	0.0778	2.2000e-004	0.0780	0.0206	2.0000e-004	0.0208		49.3966	49.3966	1.3400e-003	1.5800e-003	49.8994
Total	**0.0186**	**0.0115**	**0.1685**	**4.9000e-004**	**0.0778**	**2.2000e-004**	**0.0780**	**0.0206**	**2.0000e-004**	**0.0208**		**49.3966**	**49.3966**	**1.3400e-003**	**1.5800e-003**	**49.8994**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

3.7 Architectural Coating - 2038

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	70.3158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132		375.2641	375.2641	0.0139		375.6107
Total	**70.4729**	**1.0103**	**2.3924**	**3.9600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**		**375.2641**	**375.2641**	**0.0139**		**375.6107**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2019	0.1246	1.8296	5.3100e-003	0.8445	2.3500e-003	0.8468	0.2241	2.1600e-003	0.2262		536.3055	536.3055	0.0145	0.0171	541.7649
Total	**0.2019**	**0.1246**	**1.8296**	**5.3100e-003**	**0.8445**	**2.3500e-003**	**0.8468**	**0.2241**	**2.1600e-003**	**0.2262**		**536.3055**	**536.3055**	**0.0145**	**0.0171**	**541.7649**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/10/2021 2:05 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	70.3158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1572	1.0103	2.3924	3.9600e-003		0.0132	0.0132		0.0132	0.0132	0.0000	375.2641	375.2641	0.0139		375.6107
Total	**70.4729**	**1.0103**	**2.3924**	**3.9600e-003**		**0.0132**	**0.0132**		**0.0132**	**0.0132**	**0.0000**	**375.2641**	**375.2641**	**0.0139**		**375.6107**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2019	0.1246	1.8296	5.3100e-003	0.8445	2.3500e-003	0.8468	0.2241	2.1600e-003	0.2262		536.3055	536.3055	0.0145	0.0171	541.7649
Total	**0.2019**	**0.1246**	**1.8296**	**5.3100e-003**	**0.8445**	**2.3500e-003**	**0.8468**	**0.2241**	**2.1600e-003**	**0.2262**		**536.3055**	**536.3055**	**0.0145**	**0.0171**	**541.7649**

Construction (Phase 4)

Annual Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Valley's Edge Specific Plan Project - Construction (Phase 4)

Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	72.00	1000sqft	0.00	72,000.00	0
Other Asphalt Surfaces	2.74	Acre	2.74	119,354.40	0
Apartments Low Rise	123.00	Dwelling Unit	0.00	206,707.00	352
Single Family Housing	100.00	Dwelling Unit	27.11	346,300.00	286
Single Family Housing	72.00	Dwelling Unit	0.00	92,783.00	206
Free-Standing Discount store	12.00	1000sqft	0.00	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 4: VLDR: 91 du, LDR: 18 du, MDR: 75 du, Senior VLDR: 9 du, Senior LDR: 24 du, Senior MDR: 48 du, Office: 72 ksf, Retail: 12 ksf, Paving: 2.74 acres. 27.11 Acre site

Construction Phase - Construction would occur between 4/1/2039 to 5/15/2041.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated distrubed acres.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	440.00	291.00
tblConstructionPhase	NumDays	45.00	53.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	6/13/2041	1/3/2041
tblConstructionPhase	PhaseEndDate	3/7/2041	8/8/2040
tblConstructionPhase	PhaseEndDate	6/30/2039	6/28/2039
tblConstructionPhase	PhaseEndDate	4/25/2041	10/22/2040
tblConstructionPhase	PhaseEndDate	4/28/2039	4/14/2039

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

tblConstructionPhase	PhaseStartDate	4/26/2041	10/23/2040
tblConstructionPhase	PhaseStartDate	7/1/2039	6/29/2039
tblConstructionPhase	PhaseStartDate	4/29/2039	4/15/2039
tblConstructionPhase	PhaseStartDate	3/8/2041	8/9/2040
tblGrading	AcresOfGrading	157.50	27.11
tblGrading	AcresOfGrading	10.00	27.11
tblLandUse	LandUseSquareFeet	123,000.00	206,707.00
tblLandUse	LandUseSquareFeet	180,000.00	346,300.00
tblLandUse	LandUseSquareFeet	129,600.00	92,783.00
tblLandUse	LotAcreage	1.65	0.00
tblLandUse	LotAcreage	7.69	0.00
tblLandUse	LotAcreage	32.47	27.11
tblLandUse	LotAcreage	23.38	0.00
tblLandUse	LotAcreage	0.28	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2039	0.2349	0.9252	2.0980	6.0600e-003	0.3329	0.0194	0.3523	0.1401	0.0194	0.1594	0.0000	573.7332	573.7332	0.0181	9.8800e-003	577.1306
2040	2.2123	0.5835	1.3109	3.0600e-003	0.1295	6.6000e-003	0.1361	0.0351	6.5400e-003	0.0416	0.0000	273.0535	273.0535	7.0500e-003	0.0112	276.5758
2041	0.1271	1.5000e-003	4.2900e-003	1.0000e-005	3.7000e-004	2.0000e-005	3.8000e-004	1.0000e-004	2.0000e-005	1.1000e-004	0.0000	0.7261	0.7261	2.0000e-005	1.0000e-005	0.7284
Maximum	**2.2123**	**0.9252**	**2.0980**	**6.0600e-003**	**0.3329**	**0.0194**	**0.3523**	**0.1401**	**0.0194**	**0.1594**	**0.0000**	**573.7332**	**573.7332**	**0.0181**	**0.0112**	**577.1306**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2039	0.2349	0.9252	2.0980	6.0600e-003	0.2094	0.0194	0.2288	0.0792	0.0194	0.0985	0.0000	573.7327	573.7327	0.0181	9.8800e-003	577.1300
2040	2.2123	0.5835	1.3109	3.0600e-003	0.1295	6.6000e-003	0.1361	0.0351	6.5400e-003	0.0416	0.0000	273.0533	273.0533	7.0500e-003	0.0112	276.5756
2041	0.1271	1.5000e-003	4.2900e-003	1.0000e-005	3.7000e-004	2.0000e-005	3.8000e-004	1.0000e-004	2.0000e-005	1.1000e-004	0.0000	0.7261	0.7261	2.0000e-005	1.0000e-005	0.7284
Maximum	**2.2123**	**0.9252**	**2.0980**	**6.0600e-003**	**0.2094**	**0.0194**	**0.2288**	**0.0792**	**0.0194**	**0.0985**	**0.0000**	**573.7327**	**573.7327**	**0.0181**	**0.0112**	**577.1300**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**26.68**	**0.00**	**25.26**	**34.74**	**0.00**	**30.27**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2039	4/14/2039	5	10	
2	Grading	Grading	4/15/2039	6/28/2039	5	53	
3	Trenching	Trenching	4/15/2039	10/17/2039	5	132	
4	Building Construction	Building Construction	6/29/2039	8/8/2040	5	291	
5	Paving	Paving	8/9/2040	10/22/2040	5	53	
6	Architectural Coating	Architectural Coating	10/23/2040	1/3/2041	5	53	

Acres of Grading (Site Preparation Phase): 27.11

Acres of Grading (Grading Phase): 27.11

Acres of Paving: 2.74

Residential Indoor: 1,307,725; Residential Outdoor: 435,908; Non-Residential Indoor: 126,000; Non-Residential Outdoor: 42,000; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Trenching	Excavators	1	8.00	158	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	46.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	226.00	62.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	6.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0746	0.0000	0.0746	0.0347	0.0000	0.0347	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.3100e-003	0.0152	0.0260	1.2000e-004		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	11.4716	11.4716	4.2000e-004	0.0000	11.4821
Total	**5.3100e-003**	**0.0152**	**0.0260**	**1.2000e-004**	**0.0746**	**5.8000e-004**	**0.0752**	**0.0347**	**5.8000e-004**	**0.0352**	**0.0000**	**11.4716**	**11.4716**	**4.2000e-004**	**0.0000**	**11.4821**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.5000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0988	0.0988	0.0000	0.0000	0.0997
Total	**4.0000e-005**	**2.0000e-005**	**3.5000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.0988**	**0.0988**	**0.0000**	**0.0000**	**0.0997**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0336	0.0000	0.0336	0.0156	0.0000	0.0156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.3100e-003	0.0152	0.0260	1.2000e-004		5.8000e-004	5.8000e-004		5.8000e-004	5.8000e-004	0.0000	11.4716	11.4716	4.2000e-004	0.0000	11.4821
Total	**5.3100e-003**	**0.0152**	**0.0260**	**1.2000e-004**	**0.0336**	**5.8000e-004**	**0.0342**	**0.0156**	**5.8000e-004**	**0.0162**	**0.0000**	**11.4716**	**11.4716**	**4.2000e-004**	**0.0000**	**11.4821**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	3.5000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	0.0988	0.0988	0.0000	0.0000	0.0997
Total	**4.0000e-005**	**2.0000e-005**	**3.5000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**4.0000e-005**	**0.0000**	**4.0000e-005**	**0.0000**	**0.0988**	**0.0988**	**0.0000**	**0.0000**	**0.0997**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.3 Grading - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1499	0.0000	0.1499	0.0760	0.0000	0.0760	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0926	0.2980	0.5392	2.0700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	205.4378	205.4378	7.4000e-003	0.0000	205.6228
Total	**0.0926**	**0.2980**	**0.5392**	**2.0700e-003**	**0.1499**	**9.9000e-003**	**0.1598**	**0.0760**	**9.9000e-003**	**0.0859**	**0.0000**	**205.4378**	**205.4378**	**7.4000e-003**	**0.0000**	**205.6228**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.3000e-004	3.5000e-004	5.5300e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.8000e-004	1.0000e-005	6.8000e-004	0.0000	1.5712	1.5712	4.0000e-005	5.0000e-005	1.5856
Total	**6.3000e-004**	**3.5000e-004**	**5.5300e-003**	**2.0000e-005**	**2.5400e-003**	**1.0000e-005**	**2.5500e-003**	**6.8000e-004**	**1.0000e-005**	**6.8000e-004**	**0.0000**	**1.5712**	**1.5712**	**4.0000e-005**	**5.0000e-005**	**1.5856**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0674	0.0000	0.0674	0.0342	0.0000	0.0342	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0926	0.2980	0.5392	2.0700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	205.4375	205.4375	7.4000e-003	0.0000	205.6225
Total	**0.0926**	**0.2980**	**0.5392**	**2.0700e-003**	**0.0674**	**9.9000e-003**	**0.0773**	**0.0342**	**9.9000e-003**	**0.0441**	**0.0000**	**205.4375**	**205.4375**	**7.4000e-003**	**0.0000**	**205.6225**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.3000e-004	3.5000e-004	5.5300e-003	2.0000e-005	2.5400e-003	1.0000e-005	2.5500e-003	6.8000e-004	1.0000e-005	6.8000e-004	0.0000	1.5712	1.5712	4.0000e-005	5.0000e-005	1.5856
Total	**6.3000e-004**	**3.5000e-004**	**5.5300e-003**	**2.0000e-005**	**2.5400e-003**	**1.0000e-005**	**2.5500e-003**	**6.8000e-004**	**1.0000e-005**	**6.8000e-004**	**0.0000**	**1.5712**	**1.5712**	**4.0000e-005**	**5.0000e-005**	**1.5856**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.4 Trenching - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0725	0.2144	0.7418	1.8100e-003		5.0400e-003	5.0400e-003		5.0400e-003	5.0400e-003	0.0000	171.2471	171.2471	5.7400e-003	0.0000	171.3906
Total	**0.0725**	**0.2144**	**0.7418**	**1.8100e-003**		**5.0400e-003**	**5.0400e-003**		**5.0400e-003**	**5.0400e-003**	**0.0000**	**171.2471**	**171.2471**	**5.7400e-003**	**0.0000**	**171.3906**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	8.7000e-004	4.8000e-004	7.6500e-003	2.0000e-005	3.5100e-003	1.0000e-005	3.5200e-003	9.3000e-004	1.0000e-005	9.4000e-004	0.0000	2.1740	2.1740	5.0000e-005	6.0000e-005	2.1939
Total	**8.7000e-004**	**4.8000e-004**	**7.6500e-003**	**2.0000e-005**	**3.5100e-003**	**1.0000e-005**	**3.5200e-003**	**9.3000e-004**	**1.0000e-005**	**9.4000e-004**	**0.0000**	**2.1740**	**2.1740**	**5.0000e-005**	**6.0000e-005**	**2.1939**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0725	0.2144	0.7418	1.8100e-003		5.0400e-003	5.0400e-003		5.0400e-003	5.0400e-003	0.0000	171.2469	171.2469	5.7400e-003	0.0000	171.3904
Total	**0.0725**	**0.2144**	**0.7418**	**1.8100e-003**		**5.0400e-003**	**5.0400e-003**		**5.0400e-003**	**5.0400e-003**	**0.0000**	**171.2469**	**171.2469**	**5.7400e-003**	**0.0000**	**171.3904**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	8.7000e-004	4.8000e-004	7.6500e-003	2.0000e-005	3.5100e-003	1.0000e-005	3.5200e-003	9.3000e-004	1.0000e-005	9.4000e-004	0.0000	2.1740	2.1740	5.0000e-005	6.0000e-005	2.1939
Total	**8.7000e-004**	**4.8000e-004**	**7.6500e-003**	**2.0000e-005**	**3.5100e-003**	**1.0000e-005**	**3.5200e-003**	**9.3000e-004**	**1.0000e-005**	**9.4000e-004**	**0.0000**	**2.1740**	**2.1740**	**5.0000e-005**	**6.0000e-005**	**2.1939**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.5 Building Construction - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0389	0.2217	0.5489	8.8000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	75.6926	75.6926	3.1200e-003	0.0000	75.7706
Total	**0.0389**	**0.2217**	**0.5489**	**8.8000e-004**		**2.6900e-003**	**2.6900e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**75.6926**	**75.6926**	**3.1200e-003**	**0.0000**	**75.7706**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	4.2100e-003	0.1641	0.0543	5.9000e-004	0.0222	9.5000e-004	0.0232	6.4300e-003	9.1000e-004	7.3400e-003	0.0000	56.5346	56.5346	2.0000e-004	8.3500e-003	59.0280
Worker	0.0198	0.0110	0.1743	5.4000e-004	0.0800	2.3000e-004	0.0802	0.0213	2.1000e-004	0.0215	0.0000	49.5054	49.5054	1.1700e-003	1.4200e-003	49.9573
Total	**0.0240**	**0.1750**	**0.2286**	**1.1300e-003**	**0.1022**	**1.1800e-003**	**0.1034**	**0.0277**	**1.1200e-003**	**0.0288**	**0.0000**	**106.0400**	**106.0400**	**1.3700e-003**	**9.7700e-003**	**108.9854**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0389	0.2217	0.5489	8.8000e-004		2.6900e-003	2.6900e-003		2.6900e-003	2.6900e-003	0.0000	75.6925	75.6925	3.1200e-003	0.0000	75.7705
Total	**0.0389**	**0.2217**	**0.5489**	**8.8000e-004**		**2.6900e-003**	**2.6900e-003**		**2.6900e-003**	**2.6900e-003**	**0.0000**	**75.6925**	**75.6925**	**3.1200e-003**	**0.0000**	**75.7705**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	4.2100e-003	0.1641	0.0543	5.9000e-004	0.0222	9.5000e-004	0.0232	6.4300e-003	9.1000e-004	7.3400e-003	0.0000	56.5346	56.5346	2.0000e-004	8.3500e-003	59.0280
Worker	0.0198	0.0110	0.1743	5.4000e-004	0.0800	2.3000e-004	0.0802	0.0213	2.1000e-004	0.0215	0.0000	49.5054	49.5054	1.1700e-003	1.4200e-003	49.9573
Total	**0.0240**	**0.1750**	**0.2286**	**1.1300e-003**	**0.1022**	**1.1800e-003**	**0.1034**	**0.0277**	**1.1200e-003**	**0.0288**	**0.0000**	**106.0400**	**106.0400**	**1.3700e-003**	**9.7700e-003**	**108.9854**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.5 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0459	0.2595	0.6526	1.0500e-003		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	89.9205	89.9205	3.6200e-003	0.0000	90.0109
Total	**0.0459**	**0.2595**	**0.6526**	**1.0500e-003**		**2.7900e-003**	**2.7900e-003**		**2.7900e-003**	**2.7900e-003**	**0.0000**	**89.9205**	**89.9205**	**3.6200e-003**	**0.0000**	**90.0109**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	4.9100e-003	0.1903	0.0648	6.7000e-004	0.0264	1.0900e-003	0.0275	7.6400e-003	1.0500e-003	8.6800e-003	0.0000	64.5593	64.5593	2.4000e-004	9.5300e-003	67.4045
Worker	0.0174	0.0108	0.1838	6.1000e-004	0.0950	2.1000e-004	0.0952	0.0253	1.9000e-004	0.0255	0.0000	55.7384	55.7384	1.0500e-003	1.5700e-003	56.2318
Total	**0.0223**	**0.2010**	**0.2486**	**1.2800e-003**	**0.1214**	**1.3000e-003**	**0.1227**	**0.0329**	**1.2400e-003**	**0.0342**	**0.0000**	**120.2977**	**120.2977**	**1.2900e-003**	**0.0111**	**123.6362**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0459	0.2595	0.6526	1.0500e-003		2.7900e-003	2.7900e-003		2.7900e-003	2.7900e-003	0.0000	89.9204	89.9204	3.6200e-003	0.0000	90.0108
Total	**0.0459**	**0.2595**	**0.6526**	**1.0500e-003**		**2.7900e-003**	**2.7900e-003**		**2.7900e-003**	**2.7900e-003**	**0.0000**	**89.9204**	**89.9204**	**3.6200e-003**	**0.0000**	**90.0108**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	4.9100e-003	0.1903	0.0648	6.7000e-004	0.0264	1.0900e-003	0.0275	7.6400e-003	1.0500e-003	8.6800e-003	0.0000	64.5593	64.5593	2.4000e-004	9.5300e-003	67.4045
Worker	0.0174	0.0108	0.1838	6.1000e-004	0.0950	2.1000e-004	0.0952	0.0253	1.9000e-004	0.0255	0.0000	55.7384	55.7384	1.0500e-003	1.5700e-003	56.2318
Total	**0.0223**	**0.2010**	**0.2486**	**1.2800e-003**	**0.1214**	**1.3000e-003**	**0.1227**	**0.0329**	**1.2400e-003**	**0.0342**	**0.0000**	**120.2977**	**120.2977**	**1.2900e-003**	**0.0111**	**123.6362**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.6 Paving - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0219	0.0979	0.3343	5.8000e-004		2.2400e-003	2.2400e-003		2.2400e-003	2.2400e-003	0.0000	49.5759	49.5759	1.7500e-003	0.0000	49.6198
Paving	3.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0255**	**0.0979**	**0.3343**	**5.8000e-004**		**2.2400e-003**	**2.2400e-003**		**2.2400e-003**	**2.2400e-003**	**0.0000**	**49.5759**	**49.5759**	**1.7500e-003**	**0.0000**	**49.6198**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.6000e-004	2.2000e-004	3.8200e-003	1.0000e-005	1.9700e-003	0.0000	1.9800e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	1.1582	1.1582	2.0000e-005	3.0000e-005	1.1685
Total	**3.6000e-004**	**2.2000e-004**	**3.8200e-003**	**1.0000e-005**	**1.9700e-003**	**0.0000**	**1.9800e-003**	**5.3000e-004**	**0.0000**	**5.3000e-004**	**0.0000**	**1.1582**	**1.1582**	**2.0000e-005**	**3.0000e-005**	**1.1685**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0219	0.0979	0.3343	5.8000e-004		2.2400e-003	2.2400e-003		2.2400e-003	2.2400e-003	0.0000	49.5759	49.5759	1.7500e-003	0.0000	49.6198
Paving	3.5900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0255**	**0.0979**	**0.3343**	**5.8000e-004**		**2.2400e-003**	**2.2400e-003**		**2.2400e-003**	**2.2400e-003**	**0.0000**	**49.5759**	**49.5759**	**1.7500e-003**	**0.0000**	**49.6198**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.6000e-004	2.2000e-004	3.8200e-003	1.0000e-005	1.9700e-003	0.0000	1.9800e-003	5.3000e-004	0.0000	5.3000e-004	0.0000	1.1582	1.1582	2.0000e-005	3.0000e-005	1.1685
Total	**3.6000e-004**	**2.2000e-004**	**3.8200e-003**	**1.0000e-005**	**1.9700e-003**	**0.0000**	**1.9800e-003**	**5.3000e-004**	**0.0000**	**5.3000e-004**	**0.0000**	**1.1582**	**1.1582**	**2.0000e-005**	**3.0000e-005**	**1.1685**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.7 Architectural Coating - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8300e-003	0.0242	0.0597	1.0000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	8.5109	8.5109	3.0000e-004	0.0000	8.5183
Total	**2.1170**	**0.0242**	**0.0597**	**1.0000e-004**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**	**0.0000**	**8.5109**	**8.5109**	**3.0000e-004**	**0.0000**	**8.5183**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.1200e-003	6.9000e-004	0.0118	4.0000e-005	6.1200e-003	1.0000e-005	6.1300e-003	1.6300e-003	1.0000e-005	1.6400e-003	0.0000	3.5902	3.5902	7.0000e-005	1.0000e-004	3.6220
Total	**1.1200e-003**	**6.9000e-004**	**0.0118**	**4.0000e-005**	**6.1200e-003**	**1.0000e-005**	**6.1300e-003**	**1.6300e-003**	**1.0000e-005**	**1.6400e-003**	**0.0000**	**3.5902**	**3.5902**	**7.0000e-005**	**1.0000e-004**	**3.6220**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.1132					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8300e-003	0.0242	0.0597	1.0000e-004		2.5000e-004	2.5000e-004		2.5000e-004	2.5000e-004	0.0000	8.5108	8.5108	3.0000e-004	0.0000	8.5183
Total	**2.1170**	**0.0242**	**0.0597**	**1.0000e-004**		**2.5000e-004**	**2.5000e-004**		**2.5000e-004**	**2.5000e-004**	**0.0000**	**8.5108**	**8.5108**	**3.0000e-004**	**0.0000**	**8.5183**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.1200e-003	6.9000e-004	0.0118	4.0000e-005	6.1200e-003	1.0000e-005	6.1300e-003	1.6300e-003	1.0000e-005	1.6400e-003	0.0000	3.5902	3.5902	7.0000e-005	1.0000e-004	3.6220
Total	**1.1200e-003**	**6.9000e-004**	**0.0118**	**4.0000e-005**	**6.1200e-003**	**1.0000e-005**	**6.1300e-003**	**1.6300e-003**	**1.0000e-005**	**1.6400e-003**	**0.0000**	**3.5902**	**3.5902**	**7.0000e-005**	**1.0000e-004**	**3.6220**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

3.7 Architectural Coating - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1268					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-004	1.4500e-003	3.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.5107	0.5107	2.0000e-005	0.0000	0.5111
Total	**0.1270**	**1.4500e-003**	**3.5800e-003**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.5107**	**0.5107**	**2.0000e-005**	**0.0000**	**0.5111**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	7.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2154	0.2154	0.0000	1.0000e-005	0.2173
Total	**7.0000e-005**	**4.0000e-005**	**7.1000e-004**	**0.0000**	**3.7000e-004**	**0.0000**	**3.7000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2154**	**0.2154**	**0.0000**	**1.0000e-005**	**0.2173**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:16 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1268					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3000e-004	1.4500e-003	3.5800e-003	1.0000e-005		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.5107	0.5107	2.0000e-005	0.0000	0.5111
Total	**0.1270**	**1.4500e-003**	**3.5800e-003**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**		**1.0000e-005**	**1.0000e-005**	**0.0000**	**0.5107**	**0.5107**	**2.0000e-005**	**0.0000**	**0.5111**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	7.0000e-005	4.0000e-005	7.1000e-004	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2154	0.2154	0.0000	1.0000e-005	0.2173
Total	**7.0000e-005**	**4.0000e-005**	**7.1000e-004**	**0.0000**	**3.7000e-004**	**0.0000**	**3.7000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2154**	**0.2154**	**0.0000**	**1.0000e-005**	**0.2173**

Construction (Phase 4)

Summer Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Valley's Edge Specific Plan Project - Construction (Phase 4)

Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	72.00	1000sqft	0.00	72,000.00	0
Other Asphalt Surfaces	2.74	Acre	2.74	119,354.40	0
Apartments Low Rise	123.00	Dwelling Unit	0.00	206,707.00	352
Single Family Housing	100.00	Dwelling Unit	27.11	346,300.00	286
Single Family Housing	72.00	Dwelling Unit	0.00	92,783.00	206
Free-Standing Discount store	12.00	1000sqft	0.00	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 4: VLDR: 91 du, LDR: 18 du, MDR: 75 du, Senior VLDR: 9 du, Senior LDR: 24 du, Senior MDR: 48 du, Office: 72 ksf, Retail: 12 ksf, Paving: 2.74 acres. 27.11 Acre site.

Construction Phase - Construction would occur between 4/1/2039 to 5/15/2041.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated distrubed acres.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	440.00	291.00
tblConstructionPhase	NumDays	45.00	53.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	6/13/2041	1/3/2041
tblConstructionPhase	PhaseEndDate	3/7/2041	8/8/2040
tblConstructionPhase	PhaseEndDate	6/30/2039	6/28/2039
tblConstructionPhase	PhaseEndDate	4/25/2041	10/22/2040
tblConstructionPhase	PhaseEndDate	4/28/2039	4/14/2039

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

tblConstructionPhase	PhaseStartDate	4/26/2041	10/23/2040
tblConstructionPhase	PhaseStartDate	7/1/2039	6/29/2039
tblConstructionPhase	PhaseStartDate	4/29/2039	4/15/2039
tblConstructionPhase	PhaseStartDate	3/8/2041	8/9/2040
tblGrading	AcresOfGrading	157.50	27.11
tblGrading	AcresOfGrading	10.00	27.11
tblLandUse	LandUseSquareFeet	123,000.00	206,707.00
tblLandUse	LandUseSquareFeet	180,000.00	346,300.00
tblLandUse	LandUseSquareFeet	129,600.00	92,783.00
tblLandUse	LotAcreage	1.65	0.00
tblLandUse	LotAcreage	7.69	0.00
tblLandUse	LotAcreage	32.47	27.11
tblLandUse	LotAcreage	23.38	0.00
tblLandUse	LotAcreage	0.28	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2039	4.6383	14.5137	31.9562	0.1068	14.9525	0.4505	15.0680	6.9397	0.4505	7.0552	0.0000	11,517.3162	11,517.3162	0.4059	0.1615	11,528.2869
2040	84.7355	5.6990	12.7777	0.0302	1.6014	0.0848	1.6532	0.4327	0.0848	0.4838	0.0000	3,008.8087	3,008.8087	0.0738	0.1535	3,056.2272
2041	84.7355	0.9951	2.9279	5.6800e-003	0.2556	0.0105	0.2660	0.0678	0.0104	0.0782	0.0000	549.1619	549.1619	0.0159	4.2300e-003	550.8199
Maximum	**84.7355**	**14.5137**	**31.9562**	**0.1068**	**14.9525**	**0.4505**	**15.0680**	**6.9397**	**0.4505**	**7.0552**	**0.0000**	**11,517.3162**	**11,517.3162**	**0.4059**	**0.1615**	**11,528.2869**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2039	4.6383	14.5137	31.9562	0.1068	6.7470	0.4505	6.8624	3.1277	0.4505	3.2432	0.0000	11,517.3162	11,517.3162	0.4059	0.1615	11,528.2869
2040	84.7355	5.6990	12.7777	0.0302	1.6014	0.0848	1.6532	0.4327	0.0848	0.4838	0.0000	3,008.8087	3,008.8087	0.0738	0.1535	3,056.2272
2041	84.7355	0.9951	2.9279	5.6800e-003	0.2556	0.0105	0.2660	0.0678	0.0104	0.0782	0.0000	549.1619	549.1619	0.0159	4.2300e-003	550.8199
Maximum	**84.7355**	**14.5137**	**31.9562**	**0.1068**	**6.7470**	**0.4505**	**6.8624**	**3.1277**	**0.4505**	**3.2432**	**0.0000**	**11,517.3162**	**11,517.3162**	**0.4059**	**0.1615**	**11,528.2869**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**48.82**	**0.00**	**48.30**	**51.23**	**0.00**	**50.04**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2039	4/14/2039	5	10	
2	Grading	Grading	4/15/2039	6/28/2039	5	53	
3	Trenching	Trenching	4/15/2039	10/17/2039	5	132	
4	Building Construction	Building Construction	6/29/2039	8/8/2040	5	291	
5	Paving	Paving	8/9/2040	10/22/2040	5	53	
6	Architectural Coating	Architectural Coating	10/23/2040	1/3/2041	5	53	

Acres of Grading (Site Preparation Phase): 27.11

Acres of Grading (Grading Phase): 27.11

Acres of Paving: 2.74

Residential Indoor: 1,307,725; Residential Outdoor: 435,908; Non-Residential Indoor: 126,000; Non-Residential Outdoor: 42,000; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Trenching	Excavators	1	8.00	158	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	46.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	226.00	62.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	6.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					14.9192	0.0000	14.9192	6.9309	0.0000	6.9309			0.0000			0.0000
Off-Road	1.0616	3.0386	5.1911	0.0240		0.1154	0.1154		0.1154	0.1154		2,529.0613	2,529.0613	0.0923		2,531.3688
Total	**1.0616**	**3.0386**	**5.1911**	**0.0240**	**14.9192**	**0.1154**	**15.0346**	**6.9309**	**0.1154**	**7.0463**		**2,529.0613**	**2,529.0613**	**0.0923**		**2,531.3688**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7400e-003	4.0500e-003	0.0793	2.4000e-004	0.0333	9.0000e-005	0.0334	8.8400e-003	9.0000e-005	8.9300e-003		23.9308	23.9308	4.7000e-004	5.9000e-004	24.1191
Total	**9.7400e-003**	**4.0500e-003**	**0.0793**	**2.4000e-004**	**0.0333**	**9.0000e-005**	**0.0334**	**8.8400e-003**	**9.0000e-005**	**8.9300e-003**		**23.9308**	**23.9308**	**4.7000e-004**	**5.9000e-004**	**24.1191**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.7136	0.0000	6.7136	3.1189	0.0000	3.1189			0.0000			0.0000
Off-Road	1.0616	3.0386	5.1911	0.0240		0.1154	0.1154		0.1154	0.1154	0.0000	2,529.0613	2,529.0613	0.0923		2,531.3688
Total	**1.0616**	**3.0386**	**5.1911**	**0.0240**	**6.7136**	**0.1154**	**6.8290**	**3.1189**	**0.1154**	**3.2343**	**0.0000**	**2,529.0613**	**2,529.0613**	**0.0923**		**2,531.3688**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.7400e-003	4.0500e-003	0.0793	2.4000e-004	0.0333	9.0000e-005	0.0334	8.8400e-003	9.0000e-005	8.9300e-003		23.9308	23.9308	4.7000e-004	5.9000e-004	24.1191
Total	**9.7400e-003**	**4.0500e-003**	**0.0793**	**2.4000e-004**	**0.0333**	**9.0000e-005**	**0.0334**	**8.8400e-003**	**9.0000e-005**	**8.9300e-003**		**23.9308**	**23.9308**	**4.7000e-004**	**5.9000e-004**	**24.1191**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.3 Grading - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.6556	0.0000	5.6556	2.8691	0.0000	2.8691			0.0000			0.0000
Off-Road	3.4947	11.2463	20.3463	0.0782		0.3737	0.3737		0.3737	0.3737		8,545.5238	8,545.5238	0.3078		8,553.2197
Total	**3.4947**	**11.2463**	**20.3463**	**0.0782**	**5.6556**	**0.3737**	**6.0293**	**2.8691**	**0.3737**	**3.2428**		**8,545.5238**	**8,545.5238**	**0.3078**		**8,553.2197**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0292	0.0122	0.2379	7.1000e-004	0.1000	2.8000e-004	0.1003	0.0265	2.6000e-004	0.0268		71.7923	71.7923	1.4100e-003	1.7800e-003	72.3574
Total	**0.0292**	**0.0122**	**0.2379**	**7.1000e-004**	**0.1000**	**2.8000e-004**	**0.1003**	**0.0265**	**2.6000e-004**	**0.0268**		**71.7923**	**71.7923**	**1.4100e-003**	**1.7800e-003**	**72.3574**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5450	0.0000	2.5450	1.2911	0.0000	1.2911			0.0000			0.0000
Off-Road	3.4947	11.2463	20.3463	0.0782		0.3737	0.3737		0.3737	0.3737	0.0000	8,545.5238	8,545.5238	0.3078		8,553.2197
Total	**3.4947**	**11.2463**	**20.3463**	**0.0782**	**2.5450**	**0.3737**	**2.9187**	**1.2911**	**0.3737**	**1.6648**	**0.0000**	**8,545.5238**	**8,545.5238**	**0.3078**		**8,553.2197**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0292	0.0122	0.2379	7.1000e-004	0.1000	2.8000e-004	0.1003	0.0265	2.6000e-004	0.0268		71.7923	71.7923	1.4100e-003	1.7800e-003	72.3574
Total	**0.0292**	**0.0122**	**0.2379**	**7.1000e-004**	**0.1000**	**2.8000e-004**	**0.1003**	**0.0265**	**2.6000e-004**	**0.0268**		**71.7923**	**71.7923**	**1.4100e-003**	**1.7800e-003**	**72.3574**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.4 Trenching - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0982	3.2485	11.2399	0.0275		0.0764	0.0764		0.0764	0.0764		2,860.1156	2,860.1156	0.0958		2,862.5113
Total	**1.0982**	**3.2485**	**11.2399**	**0.0275**		**0.0764**	**0.0764**		**0.0764**	**0.0764**		**2,860.1156**	**2,860.1156**	**0.0958**		**2,862.5113**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0162	6.7500e-003	0.1322	3.9000e-004	0.0556	1.5000e-004	0.0557	0.0147	1.4000e-004	0.0149		39.8846	39.8846	7.8000e-004	9.9000e-004	40.1986
Total	**0.0162**	**6.7500e-003**	**0.1322**	**3.9000e-004**	**0.0556**	**1.5000e-004**	**0.0557**	**0.0147**	**1.4000e-004**	**0.0149**		**39.8846**	**39.8846**	**7.8000e-004**	**9.9000e-004**	**40.1986**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0982	3.2485	11.2399	0.0275		0.0764	0.0764		0.0764	0.0764	0.0000	2,860.1156	2,860.1156	0.0958		2,862.5113
Total	**1.0982**	**3.2485**	**11.2399**	**0.0275**		**0.0764**	**0.0764**		**0.0764**	**0.0764**	**0.0000**	**2,860.1156**	**2,860.1156**	**0.0958**		**2,862.5113**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0162	6.7500e-003	0.1322	3.9000e-004	0.0556	1.5000e-004	0.0557	0.0147	1.4000e-004	0.0149		39.8846	39.8846	7.8000e-004	9.9000e-004	40.1986
Total	**0.0162**	**6.7500e-003**	**0.1322**	**3.9000e-004**	**0.0556**	**1.5000e-004**	**0.0557**	**0.0147**	**1.4000e-004**	**0.0149**		**39.8846**	**39.8846**	**7.8000e-004**	**9.9000e-004**	**40.1986**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.5 Building Construction - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0657	2.3442	0.8023	8.8700e-003	0.3458	0.0143	0.3600	0.0996	0.0136	0.1132		936.0555	936.0555	3.3900e-003	0.1382	977.3196
Worker	0.3670	0.1526	2.9867	8.9200e-003	1.2556	3.4900e-003	1.2591	0.3331	3.2200e-003	0.3364		901.3916	901.3916	0.0177	0.0223	908.4872
Total	**0.4327**	**2.4968**	**3.7890**	**0.0178**	**1.6014**	**0.0178**	**1.6191**	**0.4327**	**0.0169**	**0.4496**		**1,837.4470**	**1,837.4470**	**0.0211**	**0.1605**	**1,885.8069**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0657	2.3442	0.8023	8.8700e-003	0.3458	0.0143	0.3600	0.0996	0.0136	0.1132		936.0555	936.0555	3.3900e-003	0.1382	977.3196
Worker	0.3670	0.1526	2.9867	8.9200e-003	1.2556	3.4900e-003	1.2591	0.3331	3.2200e-003	0.3364		901.3916	901.3916	0.0177	0.0223	908.4872
Total	**0.4327**	**2.4968**	**3.7890**	**0.0178**	**1.6014**	**0.0178**	**1.6191**	**0.4327**	**0.0169**	**0.4496**		**1,837.4470**	**1,837.4470**	**0.0211**	**0.1605**	**1,885.8069**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.5 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5815	3.2842	8.2612	0.0133		0.0353	0.0353		0.0353	0.0353		1,254.6890	1,254.6890	0.0505		1,255.9504
Total	**0.5815**	**3.2842**	**8.2612**	**0.0133**		**0.0353**	**0.0353**		**0.0353**	**0.0353**		**1,254.6890**	**1,254.6890**	**0.0505**		**1,255.9504**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0646	2.2885	0.8062	8.5300e-003	0.3458	0.0138	0.3596	0.0996	0.0132	0.1128		899.7519	899.7519	3.3800e-003	0.1327	939.3855
Worker	0.2656	0.1263	2.6443	8.4500e-003	1.2556	2.6800e-003	1.2583	0.3331	2.4600e-003	0.3356		854.3678	854.3678	0.0133	0.0208	860.8914
Total	**0.3302**	**2.4148**	**3.4504**	**0.0170**	**1.6014**	**0.0165**	**1.6179**	**0.4327**	**0.0157**	**0.4484**		**1,754.1197**	**1,754.1197**	**0.0167**	**0.1535**	**1,800.2768**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5815	3.2842	8.2612	0.0133		0.0353	0.0353		0.0353	0.0353	0.0000	1,254.6890	1,254.6890	0.0505		1,255.9504
Total	**0.5815**	**3.2842**	**8.2612**	**0.0133**		**0.0353**	**0.0353**		**0.0353**	**0.0353**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0505**		**1,255.9504**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0646	2.2885	0.8062	8.5300e-003	0.3458	0.0138	0.3596	0.0996	0.0132	0.1128		899.7519	899.7519	3.3800e-003	0.1327	939.3855
Worker	0.2656	0.1263	2.6443	8.4500e-003	1.2556	2.6800e-003	1.2583	0.3331	2.4600e-003	0.3356		854.3678	854.3678	0.0133	0.0208	860.8914
Total	**0.3302**	**2.4148**	**3.4504**	**0.0170**	**1.6014**	**0.0165**	**1.6179**	**0.4327**	**0.0157**	**0.4484**		**1,754.1197**	**1,754.1197**	**0.0167**	**0.1535**	**1,800.2768**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.6 Paving - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8277	3.6943	12.6139	0.0218		0.0846	0.0846		0.0846	0.0846		2,062.1933	2,062.1933	0.0730		2,064.0178
Paving	0.1355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9632**	**3.6943**	**12.6139**	**0.0218**		**0.0846**	**0.0846**		**0.0846**	**0.0846**		**2,062.1933**	**2,062.1933**	**0.0730**		**2,064.0178**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0165	7.8300e-003	0.1638	5.2000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		52.9254	52.9254	8.3000e-004	1.2900e-003	53.3296
Total	**0.0165**	**7.8300e-003**	**0.1638**	**5.2000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**52.9254**	**52.9254**	**8.3000e-004**	**1.2900e-003**	**53.3296**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8277	3.6943	12.6139	0.0218		0.0846	0.0846		0.0846	0.0846	0.0000	2,062.1933	2,062.1933	0.0730		2,064.0178
Paving	0.1355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9632**	**3.6943**	**12.6139**	**0.0218**		**0.0846**	**0.0846**		**0.0846**	**0.0846**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0730**		**2,064.0178**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0165	7.8300e-003	0.1638	5.2000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		52.9254	52.9254	8.3000e-004	1.2900e-003	53.3296
Total	**0.0165**	**7.8300e-003**	**0.1638**	**5.2000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**52.9254**	**52.9254**	**8.3000e-004**	**1.2900e-003**	**53.3296**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.7 Architectural Coating - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	84.5282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		375.2641	375.2641	0.0132		375.5942
Total	**84.6814**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**375.2641**	**375.2641**	**0.0132**		**375.5942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0257	0.5382	1.7200e-003	0.2556	5.5000e-004	0.2561	0.0678	5.0000e-004	0.0683		173.8979	173.8979	2.7100e-003	4.2300e-003	175.2257
Total	**0.0541**	**0.0257**	**0.5382**	**1.7200e-003**	**0.2556**	**5.5000e-004**	**0.2561**	**0.0678**	**5.0000e-004**	**0.0683**		**173.8979**	**173.8979**	**2.7100e-003**	**4.2300e-003**	**175.2257**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	84.5282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	375.2641	375.2641	0.0132		375.5942
Total	**84.6814**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**375.2641**	**375.2641**	**0.0132**		**375.5942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0257	0.5382	1.7200e-003	0.2556	5.5000e-004	0.2561	0.0678	5.0000e-004	0.0683		173.8979	173.8979	2.7100e-003	4.2300e-003	175.2257
Total	**0.0541**	**0.0257**	**0.5382**	**1.7200e-003**	**0.2556**	**5.5000e-004**	**0.2561**	**0.0678**	**5.0000e-004**	**0.0683**		**173.8979**	**173.8979**	**2.7100e-003**	**4.2300e-003**	**175.2257**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

3.7 Architectural Coating - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	84.5282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		375.2641	375.2641	0.0132		375.5942
Total	**84.6814**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**375.2641**	**375.2641**	**0.0132**		**375.5942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0257	0.5382	1.7200e-003	0.2556	5.5000e-004	0.2561	0.0678	5.0000e-004	0.0683		173.8979	173.8979	2.7100e-003	4.2300e-003	175.2257
Total	**0.0541**	**0.0257**	**0.5382**	**1.7200e-003**	**0.2556**	**5.5000e-004**	**0.2561**	**0.0678**	**5.0000e-004**	**0.0683**		**173.8979**	**173.8979**	**2.7100e-003**	**4.2300e-003**	**175.2257**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:19 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	84.5282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	375.2641	375.2641	0.0132		375.5942
Total	**84.6814**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**375.2641**	**375.2641**	**0.0132**		**375.5942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0257	0.5382	1.7200e-003	0.2556	5.5000e-004	0.2561	0.0678	5.0000e-004	0.0683		173.8979	173.8979	2.7100e-003	4.2300e-003	175.2257
Total	**0.0541**	**0.0257**	**0.5382**	**1.7200e-003**	**0.2556**	**5.5000e-004**	**0.2561**	**0.0678**	**5.0000e-004**	**0.0683**		**173.8979**	**173.8979**	**2.7100e-003**	**4.2300e-003**	**175.2257**

Construction (Phase 4)

Winter Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Valley's Edge Specific Plan Project - Construction (Phase 4)

Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	72.00	1000sqft	0.00	72,000.00	0
Other Asphalt Surfaces	2.74	Acre	2.74	119,354.40	0
Apartments Low Rise	123.00	Dwelling Unit	0.00	206,707.00	352
Single Family Housing	100.00	Dwelling Unit	27.11	346,300.00	286
Single Family Housing	72.00	Dwelling Unit	0.00	92,783.00	206
Free-Standing Discount store	12.00	1000sqft	0.00	12,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 4: VLDR: 91 du, LDR: 18 du, MDR: 75 du, Senior VLDR: 9 du, Senior LDR: 24 du, Senior MDR: 48 du, Office: 72 ksf, Retail: 12 ksf, Paving: 2.74 acres. 27.11 Acre site.

Construction Phase - Construction would occur between 4/1/2039 to 5/15/2041.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated distrubed acres.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	440.00	291.00
tblConstructionPhase	NumDays	45.00	53.00
tblConstructionPhase	NumDays	35.00	53.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	6/13/2041	1/3/2041
tblConstructionPhase	PhaseEndDate	3/7/2041	8/8/2040
tblConstructionPhase	PhaseEndDate	6/30/2039	6/28/2039
tblConstructionPhase	PhaseEndDate	4/25/2041	10/22/2040
tblConstructionPhase	PhaseEndDate	4/28/2039	4/14/2039

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

tblConstructionPhase	PhaseStartDate	4/26/2041	10/23/2040
tblConstructionPhase	PhaseStartDate	7/1/2039	6/29/2039
tblConstructionPhase	PhaseStartDate	4/29/2039	4/15/2039
tblConstructionPhase	PhaseStartDate	3/8/2041	8/9/2040
tblGrading	AcresOfGrading	157.50	27.11
tblGrading	AcresOfGrading	10.00	27.11
tblLandUse	LandUseSquareFeet	123,000.00	206,707.00
tblLandUse	LandUseSquareFeet	180,000.00	346,300.00
tblLandUse	LandUseSquareFeet	129,600.00	92,783.00
tblLandUse	LotAcreage	1.65	0.00
tblLandUse	LotAcreage	7.69	0.00
tblLandUse	LotAcreage	32.47	27.11
tblLandUse	LotAcreage	23.38	0.00
tblLandUse	LotAcreage	0.28	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	PhaseName		Trenching
tblTripsAndVMT	VendorTripNumber	65.00	62.00
tblTripsAndVMT	WorkerTripNumber	45.00	46.00
tblTripsAndVMT	WorkerTripNumber	227.00	226.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2039	4.6300	14.5178	31.9232	0.1067	14.9525	0.4505	15.0680	6.9397	0.4505	7.0552	0.0000	11,504.4325	11,504.4325	0.4064	0.1653	11,515.5298
2040	84.7271	5.9159	12.7639	0.0293	1.6014	0.0848	1.6533	0.4327	0.0848	0.4838	0.0000	2,912.6816	2,912.6816	0.0740	0.1569	2,961.1812
2041	84.7271	1.0005	2.8826	5.4800e-003	0.2556	0.0105	0.2660	0.0678	0.0104	0.0782	0.0000	529.0798	529.0798	0.0166	4.8100e-003	530.9277
Maximum	**84.7271**	**14.5178**	**31.9232**	**0.1067**	**14.9525**	**0.4505**	**15.0680**	**6.9397**	**0.4505**	**7.0552**	**0.0000**	**11,504.4325**	**11,504.4325**	**0.4064**	**0.1653**	**11,515.5298**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2039	4.6300	14.5178	31.9232	0.1067	6.7470	0.4505	6.8624	3.1277	0.4505	3.2432	0.0000	11,504.4325	11,504.4325	0.4064	0.1653	11,515.5298
2040	84.7271	5.9159	12.7639	0.0293	1.6014	0.0848	1.6533	0.4327	0.0848	0.4838	0.0000	2,912.6816	2,912.6816	0.0740	0.1569	2,961.1812
2041	84.7271	1.0005	2.8826	5.4800e-003	0.2556	0.0105	0.2660	0.0678	0.0104	0.0782	0.0000	529.0798	529.0798	0.0166	4.8100e-003	530.9277
Maximum	**84.7271**	**14.5178**	**31.9232**	**0.1067**	**6.7470**	**0.4505**	**6.8624**	**3.1277**	**0.4505**	**3.2432**	**0.0000**	**11,504.4325**	**11,504.4325**	**0.4064**	**0.1653**	**11,515.5298**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**48.82**	**0.00**	**48.30**	**51.23**	**0.00**	**50.04**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2039	4/14/2039	5	10	
2	Grading	Grading	4/15/2039	6/28/2039	5	53	
3	Trenching	Trenching	4/15/2039	10/17/2039	5	132	
4	Building Construction	Building Construction	6/29/2039	8/8/2040	5	291	
5	Paving	Paving	8/9/2040	10/22/2040	5	53	
6	Architectural Coating	Architectural Coating	10/23/2040	1/3/2041	5	53	

Acres of Grading (Site Preparation Phase): 27.11

Acres of Grading (Grading Phase): 27.11

Acres of Paving: 2.74

Residential Indoor: 1,307,725; Residential Outdoor: 435,908; Non-Residential Indoor: 126,000; Non-Residential Outdoor: 42,000; Striped Parking Area:

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Trenching	Excavators	1	8.00	158	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	46.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	226.00	62.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	6.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					14.9192	0.0000	14.9192	6.9309	0.0000	6.9309			0.0000			0.0000
Off-Road	1.0616	3.0386	5.1911	0.0240		0.1154	0.1154		0.1154	0.1154		2,529.0613	2,529.0613	0.0923		2,531.3688
Total	**1.0616**	**3.0386**	**5.1911**	**0.0240**	**14.9192**	**0.1154**	**15.0346**	**6.9309**	**0.1154**	**7.0463**		**2,529.0613**	**2,529.0613**	**0.0923**		**2,531.3688**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9700e-003	4.9200e-003	0.0722	2.1000e-004	0.0333	9.0000e-005	0.0334	8.8400e-003	9.0000e-005	8.9300e-003		21.1700	21.1700	5.7000e-004	6.8000e-004	21.3855
Total	**7.9700e-003**	**4.9200e-003**	**0.0722**	**2.1000e-004**	**0.0333**	**9.0000e-005**	**0.0334**	**8.8400e-003**	**9.0000e-005**	**8.9300e-003**		**21.1700**	**21.1700**	**5.7000e-004**	**6.8000e-004**	**21.3855**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.7136	0.0000	6.7136	3.1189	0.0000	3.1189			0.0000			0.0000
Off-Road	1.0616	3.0386	5.1911	0.0240		0.1154	0.1154		0.1154	0.1154	0.0000	2,529.0613	2,529.0613	0.0923		2,531.3688
Total	**1.0616**	**3.0386**	**5.1911**	**0.0240**	**6.7136**	**0.1154**	**6.8290**	**3.1189**	**0.1154**	**3.2343**	**0.0000**	**2,529.0613**	**2,529.0613**	**0.0923**		**2,531.3688**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.9700e-003	4.9200e-003	0.0722	2.1000e-004	0.0333	9.0000e-005	0.0334	8.8400e-003	9.0000e-005	8.9300e-003		21.1700	21.1700	5.7000e-004	6.8000e-004	21.3855
Total	**7.9700e-003**	**4.9200e-003**	**0.0722**	**2.1000e-004**	**0.0333**	**9.0000e-005**	**0.0334**	**8.8400e-003**	**9.0000e-005**	**8.9300e-003**		**21.1700**	**21.1700**	**5.7000e-004**	**6.8000e-004**	**21.3855**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.3 Grading - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.6556	0.0000	5.6556	2.8691	0.0000	2.8691			0.0000			0.0000
Off-Road	3.4947	11.2463	20.3463	0.0782		0.3737	0.3737		0.3737	0.3737		8,545.5238	8,545.5238	0.3078		8,553.2197
Total	**3.4947**	**11.2463**	**20.3463**	**0.0782**	**5.6556**	**0.3737**	**6.0293**	**2.8691**	**0.3737**	**3.2428**		**8,545.5238**	**8,545.5238**	**0.3078**		**8,553.2197**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0239	0.0148	0.2167	6.3000e-004	0.1000	2.8000e-004	0.1003	0.0265	2.6000e-004	0.0268		63.5099	63.5099	1.7200e-003	2.0300e-003	64.1564
Total	**0.0239**	**0.0148**	**0.2167**	**6.3000e-004**	**0.1000**	**2.8000e-004**	**0.1003**	**0.0265**	**2.6000e-004**	**0.0268**		**63.5099**	**63.5099**	**1.7200e-003**	**2.0300e-003**	**64.1564**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.5450	0.0000	2.5450	1.2911	0.0000	1.2911			0.0000			0.0000
Off-Road	3.4947	11.2463	20.3463	0.0782		0.3737	0.3737		0.3737	0.3737	0.0000	8,545.5238	8,545.5238	0.3078		8,553.2197
Total	**3.4947**	**11.2463**	**20.3463**	**0.0782**	**2.5450**	**0.3737**	**2.9187**	**1.2911**	**0.3737**	**1.6648**	**0.0000**	**8,545.5238**	**8,545.5238**	**0.3078**		**8,553.2197**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0239	0.0148	0.2167	6.3000e-004	0.1000	2.8000e-004	0.1003	0.0265	2.6000e-004	0.0268		63.5099	63.5099	1.7200e-003	2.0300e-003	64.1564
Total	**0.0239**	**0.0148**	**0.2167**	**6.3000e-004**	**0.1000**	**2.8000e-004**	**0.1003**	**0.0265**	**2.6000e-004**	**0.0268**		**63.5099**	**63.5099**	**1.7200e-003**	**2.0300e-003**	**64.1564**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.4 Trenching - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0982	3.2485	11.2399	0.0275		0.0764	0.0764		0.0764	0.0764		2,860.1156	2,860.1156	0.0958		2,862.5113
Total	**1.0982**	**3.2485**	**11.2399**	**0.0275**		**0.0764**	**0.0764**		**0.0764**	**0.0764**		**2,860.1156**	**2,860.1156**	**0.0958**		**2,862.5113**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	8.2000e-003	0.1204	3.5000e-004	0.0556	1.5000e-004	0.0557	0.0147	1.4000e-004	0.0149		35.2833	35.2833	9.6000e-004	1.1300e-003	35.6424
Total	**0.0133**	**8.2000e-003**	**0.1204**	**3.5000e-004**	**0.0556**	**1.5000e-004**	**0.0557**	**0.0147**	**1.4000e-004**	**0.0149**		**35.2833**	**35.2833**	**9.6000e-004**	**1.1300e-003**	**35.6424**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0982	3.2485	11.2399	0.0275		0.0764	0.0764		0.0764	0.0764	0.0000	2,860.1156	2,860.1156	0.0958		2,862.5113
Total	**1.0982**	**3.2485**	**11.2399**	**0.0275**		**0.0764**	**0.0764**		**0.0764**	**0.0764**	**0.0000**	**2,860.1156**	**2,860.1156**	**0.0958**		**2,862.5113**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0133	8.2000e-003	0.1204	3.5000e-004	0.0556	1.5000e-004	0.0557	0.0147	1.4000e-004	0.0149		35.2833	35.2833	9.6000e-004	1.1300e-003	35.6424
Total	**0.0133**	**8.2000e-003**	**0.1204**	**3.5000e-004**	**0.0556**	**1.5000e-004**	**0.0557**	**0.0147**	**1.4000e-004**	**0.0149**		**35.2833**	**35.2833**	**9.6000e-004**	**1.1300e-003**	**35.6424**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.5 Building Construction - 2039

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404		1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**		**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0607	2.5380	0.8345	8.9000e-003	0.3458	0.0143	0.3601	0.0996	0.0137	0.1133		938.6035	938.6035	3.1900e-003	0.1387	980.0168
Worker	0.3002	0.1853	2.7203	7.8900e-003	1.2556	3.4900e-003	1.2591	0.3331	3.2200e-003	0.3364		797.4016	797.4016	0.0216	0.0254	805.5188
Total	**0.3609**	**2.7233**	**3.5548**	**0.0168**	**1.6014**	**0.0178**	**1.6192**	**0.4327**	**0.0169**	**0.4496**		**1,736.0051**	**1,736.0051**	**0.0248**	**0.1641**	**1,785.5356**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5856	3.3336	8.2546	0.0133		0.0404	0.0404		0.0404	0.0404	0.0000	1,254.6890	1,254.6890	0.0517		1,255.9820
Total	**0.5856**	**3.3336**	**8.2546**	**0.0133**		**0.0404**	**0.0404**		**0.0404**	**0.0404**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0517**		**1,255.9820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0607	2.5380	0.8345	8.9000e-003	0.3458	0.0143	0.3601	0.0996	0.0137	0.1133		938.6035	938.6035	3.1900e-003	0.1387	980.0168
Worker	0.3002	0.1853	2.7203	7.8900e-003	1.2556	3.4900e-003	1.2591	0.3331	3.2200e-003	0.3364		797.4016	797.4016	0.0216	0.0254	805.5188
Total	**0.3609**	**2.7233**	**3.5548**	**0.0168**	**1.6014**	**0.0178**	**1.6192**	**0.4327**	**0.0169**	**0.4496**		**1,736.0051**	**1,736.0051**	**0.0248**	**0.1641**	**1,785.5356**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.5 Building Construction - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5815	3.2842	8.2612	0.0133		0.0353	0.0353		0.0353	0.0353		1,254.6890	1,254.6890	0.0505		1,255.9504
Total	**0.5815**	**3.2842**	**8.2612**	**0.0133**		**0.0353**	**0.0353**		**0.0353**	**0.0353**		**1,254.6890**	**1,254.6890**	**0.0505**		**1,255.9504**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0595	2.4784	0.8387	8.5500e-003	0.3458	0.0139	0.3597	0.0996	0.0133	0.1129		902.2892	902.2892	3.1800e-003	0.1332	942.0706
Worker	0.2242	0.1532	2.4215	7.4800e-003	1.2556	2.6800e-003	1.2583	0.3331	2.4600e-003	0.3356		755.7034	755.7034	0.0164	0.0237	763.1603
Total	**0.2837**	**2.6317**	**3.2602**	**0.0160**	**1.6014**	**0.0166**	**1.6179**	**0.4327**	**0.0157**	**0.4485**		**1,657.9926**	**1,657.9926**	**0.0196**	**0.1569**	**1,705.2308**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5815	3.2842	8.2612	0.0133		0.0353	0.0353		0.0353	0.0353	0.0000	1,254.6890	1,254.6890	0.0505		1,255.9504
Total	**0.5815**	**3.2842**	**8.2612**	**0.0133**		**0.0353**	**0.0353**		**0.0353**	**0.0353**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0505**		**1,255.9504**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0595	2.4784	0.8387	8.5500e-003	0.3458	0.0139	0.3597	0.0996	0.0133	0.1129		902.2892	902.2892	3.1800e-003	0.1332	942.0706
Worker	0.2242	0.1532	2.4215	7.4800e-003	1.2556	2.6800e-003	1.2583	0.3331	2.4600e-003	0.3356		755.7034	755.7034	0.0164	0.0237	763.1603
Total	**0.2837**	**2.6317**	**3.2602**	**0.0160**	**1.6014**	**0.0166**	**1.6179**	**0.4327**	**0.0157**	**0.4485**		**1,657.9926**	**1,657.9926**	**0.0196**	**0.1569**	**1,705.2308**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.6 Paving - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8277	3.6943	12.6139	0.0218		0.0846	0.0846		0.0846	0.0846		2,062.1933	2,062.1933	0.0730		2,064.0178
Paving	0.1355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9632**	**3.6943**	**12.6139**	**0.0218**		**0.0846**	**0.0846**		**0.0846**	**0.0846**		**2,062.1933**	**2,062.1933**	**0.0730**		**2,064.0178**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0139	9.4900e-003	0.1500	4.6000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		46.8135	46.8135	1.0200e-003	1.4600e-003	47.2754
Total	**0.0139**	**9.4900e-003**	**0.1500**	**4.6000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**46.8135**	**46.8135**	**1.0200e-003**	**1.4600e-003**	**47.2754**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8277	3.6943	12.6139	0.0218		0.0846	0.0846		0.0846	0.0846	0.0000	2,062.1933	2,062.1933	0.0730		2,064.0178
Paving	0.1355					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.9632**	**3.6943**	**12.6139**	**0.0218**		**0.0846**	**0.0846**		**0.0846**	**0.0846**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0730**		**2,064.0178**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0139	9.4900e-003	0.1500	4.6000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		46.8135	46.8135	1.0200e-003	1.4600e-003	47.2754
Total	**0.0139**	**9.4900e-003**	**0.1500**	**4.6000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**46.8135**	**46.8135**	**1.0200e-003**	**1.4600e-003**	**47.2754**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.7 Architectural Coating - 2040

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	84.5282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		375.2641	375.2641	0.0132		375.5942
Total	**84.6814**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**375.2641**	**375.2641**	**0.0132**		**375.5942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0456	0.0312	0.4929	1.5200e-003	0.2556	5.5000e-004	0.2561	0.0678	5.0000e-004	0.0683		153.8157	153.8157	3.3400e-003	4.8100e-003	155.3335
Total	**0.0456**	**0.0312**	**0.4929**	**1.5200e-003**	**0.2556**	**5.5000e-004**	**0.2561**	**0.0678**	**5.0000e-004**	**0.0683**		**153.8157**	**153.8157**	**3.3400e-003**	**4.8100e-003**	**155.3335**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	84.5282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	375.2641	375.2641	0.0132		375.5942
Total	**84.6814**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**375.2641**	**375.2641**	**0.0132**		**375.5942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0456	0.0312	0.4929	1.5200e-003	0.2556	5.5000e-004	0.2561	0.0678	5.0000e-004	0.0683		153.8157	153.8157	3.3400e-003	4.8100e-003	155.3335
Total	**0.0456**	**0.0312**	**0.4929**	**1.5200e-003**	**0.2556**	**5.5000e-004**	**0.2561**	**0.0678**	**5.0000e-004**	**0.0683**		**153.8157**	**153.8157**	**3.3400e-003**	**4.8100e-003**	**155.3335**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

3.7 Architectural Coating - 2041

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	84.5282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		375.2641	375.2641	0.0132		375.5942
Total	**84.6814**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**375.2641**	**375.2641**	**0.0132**		**375.5942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0456	0.0312	0.4929	1.5200e-003	0.2556	5.5000e-004	0.2561	0.0678	5.0000e-004	0.0683		153.8157	153.8157	3.3400e-003	4.8100e-003	155.3335
Total	**0.0456**	**0.0312**	**0.4929**	**1.5200e-003**	**0.2556**	**5.5000e-004**	**0.2561**	**0.0678**	**5.0000e-004**	**0.0683**		**153.8157**	**153.8157**	**3.3400e-003**	**4.8100e-003**	**155.3335**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:23 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	84.5282					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	375.2641	375.2641	0.0132		375.5942
Total	**84.6814**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**375.2641**	**375.2641**	**0.0132**		**375.5942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0456	0.0312	0.4929	1.5200e-003	0.2556	5.5000e-004	0.2561	0.0678	5.0000e-004	0.0683		153.8157	153.8157	3.3400e-003	4.8100e-003	155.3335
Total	**0.0456**	**0.0312**	**0.4929**	**1.5200e-003**	**0.2556**	**5.5000e-004**	**0.2561**	**0.0678**	**5.0000e-004**	**0.0683**		**153.8157**	**153.8157**	**3.3400e-003**	**4.8100e-003**	**155.3335**

Construction (Phase 5)

Annual Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Valley's Edge Specific Plan Project - Construction (Phase 5)

Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	24.49	1000sqft	0.00	24,490.00	0
Other Asphalt Surfaces	13.40	Acre	13.40	583,704.00	0
Apartments Low Rise	11.00	Dwelling Unit	0.00	20,024.00	31
Single Family Housing	35.00	Dwelling Unit	5.61	121,800.00	100
Free-Standing Discount store	4.60	1000sqft	0.00	4,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 5: VLDR: 35 du, MDR: 11 du, Office: 24.492 ksf, Retail: 4.6 ksf, Paving: 13.4 acres. 5.61 Acre site.

Construction Phase - Construction would occur between 4/1/2042 to 8/30/2043.

Off-road Equipment - Default equipment assumed.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated disturbed acres.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	50.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	PhaseEndDate	9/14/2043	8/31/2043
tblConstructionPhase	PhaseEndDate	7/20/2043	7/14/2042
tblConstructionPhase	PhaseEndDate	5/26/2042	4/15/2042
tblConstructionPhase	PhaseEndDate	8/17/2043	7/27/2043
tblConstructionPhase	PhaseEndDate	4/14/2042	4/2/2042
tblConstructionPhase	PhaseStartDate	8/18/2043	7/28/2043

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

tblConstructionPhase	PhaseStartDate	5/27/2042	5/6/2042
tblConstructionPhase	PhaseStartDate	4/15/2042	4/3/2042
tblConstructionPhase	PhaseStartDate	7/21/2043	7/15/2043
tblGrading	AcresOfGrading	31.50	5.61
tblGrading	AcresOfGrading	1.00	5.61
tblLandUse	LandUseSquareFeet	11,000.00	20,024.00
tblLandUse	LandUseSquareFeet	63,000.00	121,800.00
tblLandUse	LotAcreage	0.56	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	11.36	5.61
tblLandUse	LotAcreage	0.11	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2042	0.0522	0.2649	0.5394	1.6300e-003	0.0911	3.6000e-003	0.0947	0.0330	3.5700e-003	0.0366	0.0000	152.5750	152.5750	3.9100e-003	5.7800e-003	154.3947
2043	0.6568	0.0292	0.0945	1.7000e-004	4.0600e-003	5.1000e-004	4.5700e-003	1.0800e-003	5.1000e-004	1.5900e-003	0.0000	15.0619	15.0619	4.9000e-004	7.0000e-005	15.0942
Maximum	**0.6568**	**0.2649**	**0.5394**	**1.6300e-003**	**0.0911**	**3.6000e-003**	**0.0947**	**0.0330**	**3.5700e-003**	**0.0366**	**0.0000**	**152.5750**	**152.5750**	**3.9100e-003**	**5.7800e-003**	**154.3947**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2042	0.0522	0.2649	0.5394	1.6300e-003	0.0696	3.6000e-003	0.0732	0.0227	3.5700e-003	0.0263	0.0000	152.5749	152.5749	3.9100e-003	5.7800e-003	154.3946
2043	0.6568	0.0292	0.0945	1.7000e-004	4.0600e-003	5.1000e-004	4.5700e-003	1.0800e-003	5.1000e-004	1.5900e-003	0.0000	15.0619	15.0619	4.9000e-004	7.0000e-005	15.0942
Maximum	**0.6568**	**0.2649**	**0.5394**	**1.6300e-003**	**0.0696**	**3.6000e-003**	**0.0732**	**0.0227**	**3.5700e-003**	**0.0263**	**0.0000**	**152.5749**	**152.5749**	**3.9100e-003**	**5.7800e-003**	**154.3946**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**22.58**	**0.00**	**21.64**	**30.39**	**0.00**	**27.12**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2042	4/2/2042	5	2	
2	Grading	Grading	4/3/2042	4/15/2042	5	9	
3	Building Construction	Building Construction	5/6/2042	7/14/2042	5	50	
4	Paving	Paving	7/15/2043	7/27/2043	5	9	
5	Architectural Coating	Architectural Coating	7/28/2043	8/31/2043	5	25	
6	Trenching	Trenching	4/3/2042	5/5/2042	5	23	

Acres of Grading (Site Preparation Phase): 5.61

Acres of Grading (Grading Phase): 5.61

Acres of Paving: 13.4

Residential Indoor: 287,194; Residential Outdoor: 95,731; Non-Residential Indoor: 43,635; Non-Residential Outdoor: 14,545; Striped Parking Area: 35,022

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Trenching	Excavators	1	8.00	158	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	56.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	276.00	106.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	6.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					9.0000e-003	0.0000	9.0000e-003	3.6300e-003	0.0000	3.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	2.2400e-003	5.1300e-003	2.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	2.2943	2.2943	8.0000e-005	0.0000	2.2963
Total	**9.9000e-004**	**2.2400e-003**	**5.1300e-003**	**2.0000e-005**	**9.0000e-003**	**9.0000e-005**	**9.0900e-003**	**3.6300e-003**	**9.0000e-005**	**3.7200e-003**	**0.0000**	**2.2943**	**2.2943**	**8.0000e-005**	**0.0000**	**2.2963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-005	0.0000	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0187	0.0187	0.0000	0.0000	0.0189

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Total	**1.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0187**	**0.0187**	**0.0000**	**0.0000**	**0.0189**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.0500e-003	0.0000	4.0500e-003	1.6300e-003	0.0000	1.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	2.2400e-003	5.1300e-003	2.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	2.2943	2.2943	8.0000e-005	0.0000	2.2963
Total	**9.9000e-004**	**2.2400e-003**	**5.1300e-003**	**2.0000e-005**	**4.0500e-003**	**9.0000e-005**	**4.1400e-003**	**1.6300e-003**	**9.0000e-005**	**1.7200e-003**	**0.0000**	**2.2943**	**2.2943**	**8.0000e-005**	**0.0000**	**2.2963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-005	0.0000	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0187	0.0187	0.0000	0.0000	0.0189
Total	**1.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0187**	**0.0187**	**0.0000**	**0.0000**	**0.0189**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

3.3 Grading - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0301	0.0000	0.0301	0.0152	0.0000	0.0152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.0385	0.0903	3.5000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	34.8856	34.8856	1.1500e-003	0.0000	34.9145
Total	**0.0147**	**0.0385**	**0.0903**	**3.5000e-004**	**0.0301**	**1.1900e-003**	**0.0313**	**0.0152**	**1.1900e-003**	**0.0164**	**0.0000**	**34.8856**	**34.8856**	**1.1500e-003**	**0.0000**	**34.9145**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	8.0000e-005	5.0000e-005	8.3000e-004	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.2529	0.2529	0.0000	1.0000e-005	0.2551
Total	**8.0000e-005**	**5.0000e-005**	**8.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**1.1000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.2529**	**0.2529**	**0.0000**	**1.0000e-005**	**0.2551**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0135	0.0000	0.0135	6.8500e-003	0.0000	6.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0147	0.0385	0.0903	3.5000e-004		1.1900e-003	1.1900e-003		1.1900e-003	1.1900e-003	0.0000	34.8856	34.8856	1.1500e-003	0.0000	34.9144
Total	**0.0147**	**0.0385**	**0.0903**	**3.5000e-004**	**0.0135**	**1.1900e-003**	**0.0147**	**6.8500e-003**	**1.1900e-003**	**8.0400e-003**	**0.0000**	**34.8856**	**34.8856**	**1.1500e-003**	**0.0000**	**34.9144**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	8.0000e-005	5.0000e-005	8.3000e-004	0.0000	4.3000e-004	0.0000	4.3000e-004	1.1000e-004	0.0000	1.2000e-004	0.0000	0.2529	0.2529	0.0000	1.0000e-005	0.2551
Total	**8.0000e-005**	**5.0000e-005**	**8.3000e-004**	**0.0000**	**4.3000e-004**	**0.0000**	**4.3000e-004**	**1.1000e-004**	**0.0000**	**1.2000e-004**	**0.0000**	**0.2529**	**0.2529**	**0.0000**	**1.0000e-005**	**0.2551**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

3.4 Building Construction - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0145	0.0821	0.2065	3.3000e-004		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	28.4559	28.4559	1.1400e-003	0.0000	28.4845
Total	**0.0145**	**0.0821**	**0.2065**	**3.3000e-004**		**8.8000e-004**	**8.8000e-004**		**8.8000e-004**	**8.8000e-004**	**0.0000**	**28.4559**	**28.4559**	**1.1400e-003**	**0.0000**	**28.4845**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.6600e-003	0.1029	0.0351	3.6000e-004	0.0143	5.9000e-004	0.0149	4.1300e-003	5.7000e-004	4.7000e-003	0.0000	34.9290	34.9290	1.3000e-004	5.1500e-003	36.4683
Worker	6.7300e-003	4.1700e-003	0.0710	2.3000e-004	0.0367	8.0000e-005	0.0368	9.7700e-003	8.0000e-005	9.8500e-003	0.0000	21.5411	21.5411	4.1000e-004	6.1000e-004	21.7318
Total	**9.3900e-003**	**0.1071**	**0.1061**	**5.9000e-004**	**0.0510**	**6.7000e-004**	**0.0517**	**0.0139**	**6.5000e-004**	**0.0146**	**0.0000**	**56.4701**	**56.4701**	**5.4000e-004**	**5.7600e-003**	**58.2001**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0145	0.0821	0.2065	3.3000e-004		8.8000e-004	8.8000e-004		8.8000e-004	8.8000e-004	0.0000	28.4558	28.4558	1.1400e-003	0.0000	28.4844
Total	**0.0145**	**0.0821**	**0.2065**	**3.3000e-004**		**8.8000e-004**	**8.8000e-004**		**8.8000e-004**	**8.8000e-004**	**0.0000**	**28.4558**	**28.4558**	**1.1400e-003**	**0.0000**	**28.4844**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.6600e-003	0.1029	0.0351	3.6000e-004	0.0143	5.9000e-004	0.0149	4.1300e-003	5.7000e-004	4.7000e-003	0.0000	34.9290	34.9290	1.3000e-004	5.1500e-003	36.4683
Worker	6.7300e-003	4.1700e-003	0.0710	2.3000e-004	0.0367	8.0000e-005	0.0368	9.7700e-003	8.0000e-005	9.8500e-003	0.0000	21.5411	21.5411	4.1000e-004	6.1000e-004	21.7318
Total	**9.3900e-003**	**0.1071**	**0.1061**	**5.9000e-004**	**0.0510**	**6.7000e-004**	**0.0517**	**0.0139**	**6.5000e-004**	**0.0146**	**0.0000**	**56.4701**	**56.4701**	**5.4000e-004**	**5.7600e-003**	**58.2001**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

3.5 Paving - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7300e-003	0.0166	0.0568	1.0000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	8.4245	8.4245	3.0000e-004	0.0000	8.4320
Paving	0.0176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0213**	**0.0166**	**0.0568**	**1.0000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**8.4245**	**8.4245**	**3.0000e-004**	**0.0000**	**8.4320**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.0000e-005	4.0000e-005	6.5000e-004	0.0000	3.4000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.1967	0.1967	0.0000	1.0000e-005	0.1984
Total	**6.0000e-005**	**4.0000e-005**	**6.5000e-004**	**0.0000**	**3.4000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.1967**	**0.1967**	**0.0000**	**1.0000e-005**	**0.1984**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7300e-003	0.0166	0.0568	1.0000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	8.4245	8.4245	3.0000e-004	0.0000	8.4320
Paving	0.0176					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0213**	**0.0166**	**0.0568**	**1.0000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**8.4245**	**8.4245**	**3.0000e-004**	**0.0000**	**8.4320**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.0000e-005	4.0000e-005	6.5000e-004	0.0000	3.4000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.1967	0.1967	0.0000	1.0000e-005	0.1984
Total	**6.0000e-005**	**4.0000e-005**	**6.5000e-004**	**0.0000**	**3.4000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.1967**	**0.1967**	**0.0000**	**1.0000e-005**	**0.1984**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

3.6 Architectural Coating - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6329					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9100e-003	0.0121	0.0299	5.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	4.2554	4.2554	1.5000e-004	0.0000	4.2592
Total	**0.6348**	**0.0121**	**0.0299**	**5.0000e-005**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**4.2554**	**4.2554**	**1.5000e-004**	**0.0000**	**4.2592**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.8000e-004	4.2000e-004	7.2100e-003	2.0000e-005	3.7200e-003	1.0000e-005	3.7300e-003	9.9000e-004	1.0000e-005	1.0000e-003	0.0000	2.1853	2.1853	4.0000e-005	6.0000e-005	2.2047
Total	**6.8000e-004**	**4.2000e-004**	**7.2100e-003**	**2.0000e-005**	**3.7200e-003**	**1.0000e-005**	**3.7300e-003**	**9.9000e-004**	**1.0000e-005**	**1.0000e-003**	**0.0000**	**2.1853**	**2.1853**	**4.0000e-005**	**6.0000e-005**	**2.2047**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6329					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9100e-003	0.0121	0.0299	5.0000e-005		1.2000e-004	1.2000e-004		1.2000e-004	1.2000e-004	0.0000	4.2554	4.2554	1.5000e-004	0.0000	4.2592
Total	**0.6348**	**0.0121**	**0.0299**	**5.0000e-005**		**1.2000e-004**	**1.2000e-004**		**1.2000e-004**	**1.2000e-004**	**0.0000**	**4.2554**	**4.2554**	**1.5000e-004**	**0.0000**	**4.2592**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.8000e-004	4.2000e-004	7.2100e-003	2.0000e-005	3.7200e-003	1.0000e-005	3.7300e-003	9.9000e-004	1.0000e-005	1.0000e-003	0.0000	2.1853	2.1853	4.0000e-005	6.0000e-005	2.2047
Total	**6.8000e-004**	**4.2000e-004**	**7.2100e-003**	**2.0000e-005**	**3.7200e-003**	**1.0000e-005**	**3.7300e-003**	**9.9000e-004**	**1.0000e-005**	**1.0000e-003**	**0.0000**	**2.1853**	**2.1853**	**4.0000e-005**	**6.0000e-005**	**2.2047**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

3.7 Trenching - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0124	0.0348	0.1293	3.2000e-004		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004	0.0000	29.8385	29.8385	9.9000e-004	0.0000	29.8632
Total	**0.0124**	**0.0348**	**0.1293**	**3.2000e-004**		**7.6000e-004**	**7.6000e-004**		**7.6000e-004**	**7.6000e-004**	**0.0000**	**29.8385**	**29.8385**	**9.9000e-004**	**0.0000**	**29.8632**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.1000e-004	7.0000e-005	1.1800e-003	0.0000	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.3590	0.3590	1.0000e-005	1.0000e-005	0.3622
Total	**1.1000e-004**	**7.0000e-005**	**1.1800e-003**	**0.0000**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.3590**	**0.3590**	**1.0000e-005**	**1.0000e-005**	**0.3622**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:50 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0124	0.0348	0.1293	3.2000e-004		7.6000e-004	7.6000e-004		7.6000e-004	7.6000e-004	0.0000	29.8385	29.8385	9.9000e-004	0.0000	29.8631
Total	**0.0124**	**0.0348**	**0.1293**	**3.2000e-004**		**7.6000e-004**	**7.6000e-004**		**7.6000e-004**	**7.6000e-004**	**0.0000**	**29.8385**	**29.8385**	**9.9000e-004**	**0.0000**	**29.8631**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.1000e-004	7.0000e-005	1.1800e-003	0.0000	6.1000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.3590	0.3590	1.0000e-005	1.0000e-005	0.3622
Total	**1.1000e-004**	**7.0000e-005**	**1.1800e-003**	**0.0000**	**6.1000e-004**	**0.0000**	**6.1000e-004**	**1.6000e-004**	**0.0000**	**1.6000e-004**	**0.0000**	**0.3590**	**0.3590**	**1.0000e-005**	**1.0000e-005**	**0.3622**

Construction (Phase 5)

Summer Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Valley's Edge Specific Plan Project - Construction (Phase 5)

Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	24.49	1000sqft	0.00	24,490.00	0
Other Asphalt Surfaces	13.40	Acre	13.40	583,704.00	0
Apartments Low Rise	11.00	Dwelling Unit	0.00	20,024.00	31
Single Family Housing	35.00	Dwelling Unit	5.61	121,800.00	100
Free-Standing Discount store	4.60	1000sqft	0.00	4,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 5: VLDR: 35 du, MDR: 11 du, Office: 24.492 ksf, Retail: 4.6 ksf, Paving: 13.4 acres. 5.61 Acre site.

Construction Phase - Construction would occur between 4/1/2042 to 8/30/2043.

Off-road Equipment - Default equipment assumed.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Grading - Updated disturbed acres.

Trips and VMT - Defualt trips assumed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblConstructionPhase	NumDays	20.00	25.00
tblConstructionPhase	NumDays	300.00	50.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	PhaseEndDate	9/14/2043	8/31/2043
tblConstructionPhase	PhaseEndDate	7/20/2043	7/14/2042
tblConstructionPhase	PhaseEndDate	5/26/2042	4/15/2042
tblConstructionPhase	PhaseEndDate	8/17/2043	7/27/2043
tblConstructionPhase	PhaseEndDate	4/14/2042	4/2/2042
tblConstructionPhase	PhaseStartDate	8/18/2043	7/28/2043

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

tblConstructionPhase	PhaseStartDate	5/27/2042	5/6/2042
tblConstructionPhase	PhaseStartDate	4/15/2042	4/3/2042
tblConstructionPhase	PhaseStartDate	7/21/2043	7/15/2043
tblGrading	AcresOfGrading	31.50	5.61
tblGrading	AcresOfGrading	1.00	5.61
tblLandUse	LandUseSquareFeet	11,000.00	20,024.00
tblLandUse	LandUseSquareFeet	63,000.00	121,800.00
tblLandUse	LotAcreage	0.56	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	11.36	5.61
tblLandUse	LotAcreage	0.11	0.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	105.00	106.00
tblTripsAndVMT	WorkerTripNumber	55.00	56.00
tblTripsAndVMT	WorkerTripNumber	275.00	276.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2042	4.3738	11.5895	31.6349	0.1067	9.0301	0.3321	9.1167	3.6403	0.3320	3.7549	0.0000	11,511.4809	11,511.4809	0.3789	0.2523	11,521.7209
2043	50.8491	3.7060	12.7872	0.0223	0.3111	0.0848	0.3217	0.0826	0.0848	0.1054	0.0000	2,116.5771	2,116.5771	0.0739	5.1500e-003	2,118.8072
Maximum	**50.8491**	**11.5895**	**31.6349**	**0.1067**	**9.0301**	**0.3321**	**9.1167**	**3.6403**	**0.3320**	**3.7549**	**0.0000**	**11,511.4809**	**11,511.4809**	**0.3789**	**0.2523**	**11,521.7209**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2042	4.3738	11.5895	31.6349	0.1067	4.0819	0.3321	4.1685	1.6430	0.3320	1.8950	0.0000	11,511.4809	11,511.4809	0.3789	0.2523	11,521.7209
2043	50.8491	3.7060	12.7872	0.0223	0.3111	0.0848	0.3217	0.0826	0.0848	0.1054	0.0000	2,116.5771	2,116.5771	0.0739	5.1500e-003	2,118.8072
Maximum	**50.8491**	**11.5895**	**31.6349**	**0.1067**	**4.0819**	**0.3321**	**4.1685**	**1.6430**	**0.3320**	**1.8950**	**0.0000**	**11,511.4809**	**11,511.4809**	**0.3789**	**0.2523**	**11,521.7209**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**52.97**	**0.00**	**52.43**	**53.65**	**0.00**	**48.18**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2042	4/2/2042	5	2	
2	Grading	Grading	4/3/2042	4/15/2042	5	9	
3	Building Construction	Building Construction	5/6/2042	7/14/2042	5	50	
4	Paving	Paving	7/15/2043	7/27/2043	5	9	
5	Architectural Coating	Architectural Coating	7/28/2043	8/31/2043	5	25	
6	Trenching	Trenching	4/3/2042	5/5/2042	5	23	

Acres of Grading (Site Preparation Phase): 5.61

Acres of Grading (Grading Phase): 5.61

Acres of Paving: 13.4

Residential Indoor: 287,194; Residential Outdoor: 95,731; Non-Residential Indoor: 43,635; Non-Residential Outdoor: 14,545; Striped Parking Area: 35,022

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	8.00	78	0.48
Trenching	Excavators	1	8.00	158	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Building Construction	Forklifts	3	8.00	89	0.20
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	56.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	276.00	106.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	6.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					8.9968	0.0000	8.9968	3.6314	0.0000	3.6314			0.0000			0.0000
Off-Road	0.9932	2.2373	5.1266	0.0240		0.0865	0.0865		0.0865	0.0865		2,529.0613	2,529.0613	0.0871		2,531.2382
Total	**0.9932**	**2.2373**	**5.1266**	**0.0240**	**8.9968**	**0.0865**	**9.0833**	**3.6314**	**0.0865**	**3.7179**		**2,529.0613**	**2,529.0613**	**0.0871**		**2,531.2382**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0500e-003	3.3500e-003	0.0702	2.2000e-004	0.0333	7.0000e-005	0.0334	8.8400e-003	7.0000e-005	8.9100e-003		22.6823	22.6823	3.5000e-004	5.5000e-004	22.8555
Total	**7.0500e-003**	**3.3500e-003**	**0.0702**	**2.2000e-004**	**0.0333**	**7.0000e-005**	**0.0334**	**8.8400e-003**	**7.0000e-005**	**8.9100e-003**		**22.6823**	**22.6823**	**3.5000e-004**	**5.5000e-004**	**22.8555**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.0486	0.0000	4.0486	1.6341	0.0000	1.6341			0.0000			0.0000
Off-Road	0.9932	2.2373	5.1266	0.0240		0.0865	0.0865		0.0865	0.0865	0.0000	2,529.0613	2,529.0613	0.0871		2,531.2382
Total	**0.9932**	**2.2373**	**5.1266**	**0.0240**	**4.0486**	**0.0865**	**4.1351**	**1.6341**	**0.0865**	**1.7207**	**0.0000**	**2,529.0613**	**2,529.0613**	**0.0871**		**2,531.2382**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0500e-003	3.3500e-003	0.0702	2.2000e-004	0.0333	7.0000e-005	0.0334	8.8400e-003	7.0000e-005	8.9100e-003		22.6823	22.6823	3.5000e-004	5.5000e-004	22.8555
Total	**7.0500e-003**	**3.3500e-003**	**0.0702**	**2.2000e-004**	**0.0333**	**7.0000e-005**	**0.0334**	**8.8400e-003**	**7.0000e-005**	**8.9100e-003**		**22.6823**	**22.6823**	**3.5000e-004**	**5.5000e-004**	**22.8555**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

3.3 Grading - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.6831	0.0000	6.6831	3.3816	0.0000	3.3816			0.0000			0.0000
Off-Road	3.2628	8.5447	20.0674	0.0782		0.2652	0.2652		0.2652	0.2652		8,545.5145	8,545.5145	0.2827		8,552.5820
Total	**3.2628**	**8.5447**	**20.0674**	**0.0782**	**6.6831**	**0.2652**	**6.9484**	**3.3816**	**0.2652**	**3.6468**		**8,545.5145**	**8,545.5145**	**0.2827**		**8,552.5820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0101	0.2106	6.7000e-004	0.1000	2.1000e-004	0.1002	0.0265	2.0000e-004	0.0267		68.0470	68.0470	1.0600e-003	1.6500e-003	68.5666
Total	**0.0212**	**0.0101**	**0.2106**	**6.7000e-004**	**0.1000**	**2.1000e-004**	**0.1002**	**0.0265**	**2.0000e-004**	**0.0267**		**68.0470**	**68.0470**	**1.0600e-003**	**1.6500e-003**	**68.5666**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.0074	0.0000	3.0074	1.5217	0.0000	1.5217			0.0000			0.0000
Off-Road	3.2628	8.5447	20.0674	0.0782		0.2652	0.2652		0.2652	0.2652	0.0000	8,545.5145	8,545.5145	0.2827		8,552.5820
Total	**3.2628**	**8.5447**	**20.0674**	**0.0782**	**3.0074**	**0.2652**	**3.2726**	**1.5217**	**0.2652**	**1.7869**	**0.0000**	**8,545.5145**	**8,545.5145**	**0.2827**		**8,552.5820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0101	0.2106	6.7000e-004	0.1000	2.1000e-004	0.1002	0.0265	2.0000e-004	0.0267		68.0470	68.0470	1.0600e-003	1.6500e-003	68.5666
Total	**0.0212**	**0.0101**	**0.2106**	**6.7000e-004**	**0.1000**	**2.1000e-004**	**0.1002**	**0.0265**	**2.0000e-004**	**0.0267**		**68.0470**	**68.0470**	**1.0600e-003**	**1.6500e-003**	**68.5666**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

3.4 Building Construction - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5815	3.2842	8.2612	0.0133		0.0353	0.0353		0.0353	0.0353		1,254.6890	1,254.6890	0.0505		1,255.9504
Total	**0.5815**	**3.2842**	**8.2612**	**0.0133**		**0.0353**	**0.0353**		**0.0353**	**0.0353**		**1,254.6890**	**1,254.6890**	**0.0505**		**1,255.9504**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1105	3.9125	1.3783	0.0146	0.5912	0.0237	0.6148	0.1703	0.0226	0.1929		1,538.2855	1,538.2855	5.7800e-003	0.2269	1,606.0461
Worker	0.3243	0.1543	3.2293	0.0103	1.5334	3.2700e-003	1.5367	0.4068	3.0100e-003	0.4099		1,043.3873	1,043.3873	0.0163	0.0254	1,051.3540
Total	**0.4348**	**4.0668**	**4.6075**	**0.0249**	**2.1246**	**0.0269**	**2.1515**	**0.5771**	**0.0256**	**0.6028**		**2,581.6727**	**2,581.6727**	**0.0221**	**0.2523**	**2,657.4002**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5815	3.2842	8.2612	0.0133		0.0353	0.0353		0.0353	0.0353	0.0000	1,254.6890	1,254.6890	0.0505		1,255.9504
Total	**0.5815**	**3.2842**	**8.2612**	**0.0133**		**0.0353**	**0.0353**		**0.0353**	**0.0353**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0505**		**1,255.9504**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.1105	3.9125	1.3783	0.0146	0.5912	0.0237	0.6148	0.1703	0.0226	0.1929		1,538.2855	1,538.2855	5.7800e-003	0.2269	1,606.0461
Worker	0.3243	0.1543	3.2293	0.0103	1.5334	3.2700e-003	1.5367	0.4068	3.0100e-003	0.4099		1,043.3873	1,043.3873	0.0163	0.0254	1,051.3540
Total	**0.4348**	**4.0668**	**4.6075**	**0.0249**	**2.1246**	**0.0269**	**2.1515**	**0.5771**	**0.0256**	**0.6028**		**2,581.6727**	**2,581.6727**	**0.0221**	**0.2523**	**2,657.4002**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

3.5 Paving - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8284	3.6981	12.6234	0.0218		0.0847	0.0847		0.0847	0.0847		2,063.6517	2,063.6517	0.0730		2,065.4776
Paving	3.9009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.7293**	**3.6981**	**12.6234**	**0.0218**		**0.0847**	**0.0847**		**0.0847**	**0.0847**		**2,063.6517**	**2,063.6517**	**0.0730**		**2,065.4776**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0165	7.8300e-003	0.1638	5.2000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		52.9254	52.9254	8.3000e-004	1.2900e-003	53.3296
Total	**0.0165**	**7.8300e-003**	**0.1638**	**5.2000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**52.9254**	**52.9254**	**8.3000e-004**	**1.2900e-003**	**53.3296**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8284	3.6981	12.6234	0.0218		0.0847	0.0847		0.0847	0.0847	0.0000	2,063.6517	2,063.6517	0.0730		2,065.4776
Paving	3.9009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.7293**	**3.6981**	**12.6234**	**0.0218**		**0.0847**	**0.0847**		**0.0847**	**0.0847**	**0.0000**	**2,063.6517**	**2,063.6517**	**0.0730**		**2,065.4776**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0165	7.8300e-003	0.1638	5.2000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		52.9254	52.9254	8.3000e-004	1.2900e-003	53.3296
Total	**0.0165**	**7.8300e-003**	**0.1638**	**5.2000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**52.9254**	**52.9254**	**8.3000e-004**	**1.2900e-003**	**53.3296**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

3.6 Architectural Coating - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	50.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		375.2641	375.2641	0.0132		375.5942
Total	**50.7833**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**375.2641**	**375.2641**	**0.0132**		**375.5942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0658	0.0313	0.6552	2.0900e-003	0.3111	6.6000e-004	0.3118	0.0826	6.1000e-004	0.0832		211.7018	211.7018	3.3000e-003	5.1500e-003	213.3182
Total	**0.0658**	**0.0313**	**0.6552**	**2.0900e-003**	**0.3111**	**6.6000e-004**	**0.3118**	**0.0826**	**6.1000e-004**	**0.0832**		**211.7018**	**211.7018**	**3.3000e-003**	**5.1500e-003**	**213.3182**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	50.6301					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	375.2641	375.2641	0.0132		375.5942
Total	**50.7833**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**375.2641**	**375.2641**	**0.0132**		**375.5942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0658	0.0313	0.6552	2.0900e-003	0.3111	6.6000e-004	0.3118	0.0826	6.1000e-004	0.0832		211.7018	211.7018	3.3000e-003	5.1500e-003	213.3182
Total	**0.0658**	**0.0313**	**0.6552**	**2.0900e-003**	**0.3111**	**6.6000e-004**	**0.3118**	**0.0826**	**6.1000e-004**	**0.0832**		**211.7018**	**211.7018**	**3.3000e-003**	**5.1500e-003**	**213.3182**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

3.7 Trenching - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0780	3.0292	11.2399	0.0275		0.0665	0.0665		0.0665	0.0665		2,860.1156	2,860.1156	0.0946		2,862.4798
Total	**1.0780**	**3.0292**	**11.2399**	**0.0275**		**0.0665**	**0.0665**		**0.0665**	**0.0665**		**2,860.1156**	**2,860.1156**	**0.0946**		**2,862.4798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0118	5.5900e-003	0.1170	3.7000e-004	0.0556	1.2000e-004	0.0557	0.0147	1.1000e-004	0.0149		37.8039	37.8039	5.9000e-004	9.2000e-004	38.0925
Total	**0.0118**	**5.5900e-003**	**0.1170**	**3.7000e-004**	**0.0556**	**1.2000e-004**	**0.0557**	**0.0147**	**1.1000e-004**	**0.0149**		**37.8039**	**37.8039**	**5.9000e-004**	**9.2000e-004**	**38.0925**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 10:52 AM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0780	3.0292	11.2399	0.0275		0.0665	0.0665		0.0665	0.0665	0.0000	2,860.1156	2,860.1156	0.0946		2,862.4798
Total	**1.0780**	**3.0292**	**11.2399**	**0.0275**		**0.0665**	**0.0665**		**0.0665**	**0.0665**	**0.0000**	**2,860.1156**	**2,860.1156**	**0.0946**		**2,862.4798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0118	5.5900e-003	0.1170	3.7000e-004	0.0556	1.2000e-004	0.0557	0.0147	1.1000e-004	0.0149		37.8039	37.8039	5.9000e-004	9.2000e-004	38.0925
Total	**0.0118**	**5.5900e-003**	**0.1170**	**3.7000e-004**	**0.0556**	**1.2000e-004**	**0.0557**	**0.0147**	**1.1000e-004**	**0.0149**		**37.8039**	**37.8039**	**5.9000e-004**	**9.2000e-004**	**38.0925**

Construction (Phase 5)

Winter Emissions

CalEEMod Version: CalEEMod.2016.3.2

Date: 5/20/2020 1:34 PM

Valley's Edge Specific Plan Project - Construction (Phase 5)

Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	24.49	1000sqft	0.00	24,492.00	0
Other Asphalt Surfaces	13.40	Acre	13.40	583,704.00	0
Apartments Low Rise	11.00	Dwelling Unit	0.00	20,024.00	31
Single Family Housing	35.00	Dwelling Unit	5.61	121,800.00	100
Free-Standing Discount Store	4.60	1000sqft	0.00	4,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	641.35	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 5: VLDR: 35 du, MDR: 11 du, Office: 24.492 ksf, Retail: 4.6 ksf, Paving: 13.4 acres. 5.61 Acre site.

Construction Phase - Construction would occur between 4/1/2042 to 8/30/2043.

Off-road Equipment - Default equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Trips and VMT - Defualt trips assumed.

Grading - Updated disturbed acres.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water two times daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblAreaCoating	Area_Nonresidential_Exterior	14546	32220
tblAreaCoating	Area_Nonresidential_Interior	43638	96660
tblAreaCoating	Area_Parking	35022	29142
tblAreaCoating	Area_Residential_Exterior	95731	845158
tblAreaCoating	Area_Residential_Interior	287194	2535474
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	30.00	23.00
tblConstructionPhase	NumDays	30.00	9.00
tblConstructionPhase	NumDays	300.00	50.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	20.00	25.00
tblFireplaces	NumberGas	15.05	79.98
tblFireplaces	NumberNoFireplace	6.30	33.48
tblFireplaces	NumberWood	13.65	72.54
tblGrading	AcresOfGrading	27.00	5.61
tblGrading	AcresOfGrading	0.00	5.61
tblLandUse	LandUseSquareFeet	24,490.00	24,492.00

tblLandUse	LandUseSquareFeet	11,000.00	20,024.00
tblLandUse	LandUseSquareFeet	63,000.00	121,800.00
tblLandUse	LotAcreage	0.56	0.00
tblLandUse	LotAcreage	0.69	0.00
tblLandUse	LotAcreage	11.36	5.61
tblLandUse	LotAcreage	0.11	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Site Preparation
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	19.78	7.74
tblSolidWaste	SolidWasteGenerationRate	22.78	50.22
tblSolidWaste	SolidWasteGenerationRate	36.00	191.52
tblTripsAndVMT	VendorTripNumber	105.00	106.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	275.00	276.00
tblTripsAndVMT	WorkerTripNumber	55.00	56.00
tblWater	IndoorWaterUseRate	340,733.60	133,330.54
tblWater	IndoorWaterUseRate	4,352,699.49	9,597,622.39
tblWater	IndoorWaterUseRate	2,280,390.90	12,118,648.77
tblWater	OutdoorWaterUseRate	208,836.72	81,718.72
tblWater	OutdoorWaterUseRate	2,667,783.56	5,882,413.72
tblWater	OutdoorWaterUseRate	1,437,637.74	7,640,017.70
tblWoodstoves	NumberCatalytic	3.15	16.74
tblWoodstoves	NumberNoncatalytic	3.15	16.74

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2042	4.0975	12.6938	30.0776	0.1003	9.0540	0.3159	9.1405	3.6466	0.3159	3.7799	0.0000	10,775.1580	10,775.1580	0.3540	0.0000	10,784.0072
2043	57.3501	3.7096	12.7569	0.0225	0.5341	0.0850	0.5453	0.1416	0.0849	0.1528	0.0000	2,133.5239	2,133.5239	0.0737	0.0000	2,135.3663
Maximum	**57.3501**	**12.6938**	**30.0776**	**0.1003**	**9.0540**	**0.3159**	**9.1405**	**3.6466**	**0.3159**	**3.7799**	**0.0000**	**10,775.1580**	**10,775.1580**	**0.3540**	**0.0000**	**10,784.0072**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2042	4.0975	12.6938	30.0776	0.1003	4.1058	0.3159	4.1923	1.6493	0.3159	1.9136	0.0000	10,775.1579	10,775.1579	0.3540	0.0000	10,784.0072
2043	57.3501	3.7096	12.7569	0.0225	0.5341	0.0850	0.5453	0.1416	0.0849	0.1528	0.0000	2,133.5239	2,133.5239	0.0737	0.0000	2,135.3663
Maximum	**57.3501**	**12.6938**	**30.0776**	**0.1003**	**4.1058**	**0.3159**	**4.1923**	**1.6493**	**0.3159**	**1.9136**	**0.0000**	**10,775.1579**	**10,775.1579**	**0.3540**	**0.0000**	**10,784.0072**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**51.61**	**0.00**	**51.09**	**52.72**	**0.00**	**47.46**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2042	4/2/2042	5	2	
2	Trenching	Grading	4/3/2042	5/5/2042	5	23	
3	Grading	Grading	4/3/2042	4/15/2042	5	9	
4	Building Construction	Building Construction	5/6/2042	7/14/2042	5	50	
5	Paving	Paving	7/15/2043	7/27/2043	5	9	
6	Architectural Coating	Architectural Coating	7/28/2043	8/31/2043	5	25	

Acres of Grading (Site Preparation Phase): 5.61

Acres of Grading (Grading Phase): 5.61

Acres of Paving: 13.4

Residential Indoor: 287,194; Residential Outdoor: 95,731; Non-Residential Indoor: 43,638; Non-Residential Outdoor: 14,546; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Trenching	Excavators	1	8.00	158	0.38
Trenching	Off-Highway Trucks	1	4.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Off-Highway Trucks	1	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	8.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	6.00	0.00	0.00	12.54	10.52	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	12.54	10.52	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	12.54	10.52	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	276.00	106.00	0.00	12.54	10.52	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	12.54	10.52	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	56.00	0.00	0.00	12.54	10.52	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					8.9968	0.0000	8.9968	3.6314	0.0000	3.6314			0.0000			0.0000
Off-Road	0.9905	2.2332	5.1117	0.0239		0.0864	0.0864		0.0864	0.0864		2,521.4057	2,521.4057	0.0868		2,523.5765
Total	**0.9905**	**2.2332**	**5.1117**	**0.0239**	**8.9968**	**0.0864**	**9.0831**	**3.6314**	**0.0864**	**3.7178**		**2,521.4057**	**2,521.4057**	**0.0868**		**2,523.5765**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	7.8700e-003	5.3000e-003	0.0616	3.2000e-004	0.0572	1.4000e-004	0.0574	0.0152	1.3000e-004	0.0153		32.2487	32.2487	3.0000e-004		32.2563
Total	**7.8700e-003**	**5.3000e-003**	**0.0616**	**3.2000e-004**	**0.0572**	**1.4000e-004**	**0.0574**	**0.0152**	**1.3000e-004**	**0.0153**		**32.2487**	**32.2487**	**3.0000e-004**		**32.2563**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.0486	0.0000	4.0486	1.6341	0.0000	1.6341			0.0000			0.0000
Off-Road	0.9905	2.2332	5.1117	0.0239		0.0864	0.0864		0.0864	0.0864	0.0000	2,521.4057	2,521.4057	0.0868		2,523.5765
Total	**0.9905**	**2.2332**	**5.1117**	**0.0239**	**4.0486**	**0.0864**	**4.1349**	**1.6341**	**0.0864**	**1.7205**	**0.0000**	**2,521.4057**	**2,521.4057**	**0.0868**		**2,523.5765**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	7.8700e-003	5.3000e-003	0.0616	3.2000e-004	0.0572	1.4000e-004	0.0574	0.0152	1.3000e-004	0.0153		32.2487	32.2487	3.0000e-004		32.2563
Total	**7.8700e-003**	**5.3000e-003**	**0.0616**	**3.2000e-004**	**0.0572**	**1.4000e-004**	**0.0574**	**0.0152**	**1.3000e-004**	**0.0153**		**32.2487**	**32.2487**	**3.0000e-004**		**32.2563**

3.3 Trenching - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1079	0.0000	0.1079	0.0117	0.0000	0.0117			0.0000			0.0000
Off-Road	0.8007	2.6202	9.7377	0.0207		0.0502	0.0502		0.0502	0.0502		2,086.8050	2,086.8050	0.0701		2,088.5575
Total	**0.8007**	**2.6202**	**9.7377**	**0.0207**	**0.1079**	**0.0502**	**0.1581**	**0.0117**	**0.0502**	**0.0618**		**2,086.8050**	**2,086.8050**	**0.0701**		**2,088.5575**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0131	8.8300e-003	0.1027	5.4000e-004	0.0954	2.4000e-004	0.0956	0.0253	2.2000e-004	0.0255		53.7479	53.7479	5.0000e-004		53.7605
Total	**0.0131**	**8.8300e-003**	**0.1027**	**5.4000e-004**	**0.0954**	**2.4000e-004**	**0.0956**	**0.0253**	**2.2000e-004**	**0.0255**		**53.7479**	**53.7479**	**5.0000e-004**		**53.7605**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0486	0.0000	0.0486	5.2400e-003	0.0000	5.2400e-003			0.0000			0.0000
Off-Road	0.8007	2.6202	9.7377	0.0207		0.0502	0.0502		0.0502	0.0502	0.0000	2,086.8050	2,086.8050	0.0701		2,088.5575
Total	**0.8007**	**2.6202**	**9.7377**	**0.0207**	**0.0486**	**0.0502**	**0.0987**	**5.2400e-003**	**0.0502**	**0.0554**	**0.0000**	**2,086.8050**	**2,086.8050**	**0.0701**		**2,088.5575**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0131	8.8300e-003	0.1027	5.4000e-004	0.0954	2.4000e-004	0.0956	0.0253	2.2000e-004	0.0255		53.7479	53.7479	5.0000e-004		53.7605
Total	**0.0131**	**8.8300e-003**	**0.1027**	**5.4000e-004**	**0.0954**	**2.4000e-004**	**0.0956**	**0.0253**	**2.2000e-004**	**0.0255**		**53.7479**	**53.7479**	**5.0000e-004**		**53.7605**

3.4 Grading - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.6831	0.0000	6.6831	3.3816	0.0000	3.3816			0.0000			0.0000
Off-Road	3.2601	8.5406	20.0525	0.0781		0.2651	0.2651		0.2651	0.2651		8,537.8589	8,537.8589	0.2825		8,544.9203
Total	**3.2601**	**8.5406**	**20.0525**	**0.0781**	**6.6831**	**0.2651**	**6.9482**	**3.3816**	**0.2651**	**3.6467**		**8,537.8589**	**8,537.8589**	**0.2825**		**8,544.9203**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0236	0.0159	0.1848	9.7000e-004	0.1717	4.3000e-004	0.1721	0.0455	3.9000e-004	0.0459		96.7462	96.7462	9.1000e-004		96.7689
Total	**0.0236**	**0.0159**	**0.1848**	**9.7000e-004**	**0.1717**	**4.3000e-004**	**0.1721**	**0.0455**	**3.9000e-004**	**0.0459**		**96.7462**	**96.7462**	**9.1000e-004**		**96.7689**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.0074	0.0000	3.0074	1.5217	0.0000	1.5217			0.0000			0.0000
Off-Road	3.2601	8.5406	20.0525	0.0781		0.2651	0.2651		0.2651	0.2651	0.0000	8,537.8589	8,537.8589	0.2825		8,544.9203
Total	**3.2601**	**8.5406**	**20.0525**	**0.0781**	**3.0074**	**0.2651**	**3.2725**	**1.5217**	**0.2651**	**1.7868**	**0.0000**	**8,537.8589**	**8,537.8589**	**0.2825**		**8,544.9203**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0236	0.0159	0.1848	9.7000e-004	0.1717	4.3000e-004	0.1721	0.0455	3.9000e-004	0.0459		96.7462	96.7462	9.1000e-004		96.7689
Total	**0.0236**	**0.0159**	**0.1848**	**9.7000e-004**	**0.1717**	**4.3000e-004**	**0.1721**	**0.0455**	**3.9000e-004**	**0.0459**		**96.7462**	**96.7462**	**9.1000e-004**		**96.7689**

3.5 Building Construction - 2042

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5815	3.2842	8.2612	0.0133		0.0353	0.0353		0.0353	0.0353		1,254.6890	1,254.6890	0.0505		1,255.9504
Total	**0.5815**	**3.2842**	**8.2612**	**0.0133**		**0.0353**	**0.0353**		**0.0353**	**0.0353**		**1,254.6890**	**1,254.6890**	**0.0505**		**1,255.9504**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.2420	9.1658	1.5589	0.0376	1.0342	0.0107	1.0448	0.2977	0.0102	0.3078		3,939.8755	3,939.8755	0.2119		3,945.1721
Worker	0.3619	0.2438	2.8331	0.0149	2.6321	6.5600e-003	2.6387	0.6981	6.0300e-003	0.7041		1,483.4419	1,483.4419	0.0139		1,483.7898
Total	**0.6039**	**9.4096**	**4.3920**	**0.0525**	**3.6663**	**0.0172**	**3.6835**	**0.9958**	**0.0162**	**1.0120**		**5,423.3174**	**5,423.3174**	**0.2258**		**5,428.9619**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5815	3.2842	8.2612	0.0133		0.0353	0.0353		0.0353	0.0353	0.0000	1,254.6890	1,254.6890	0.0505		1,255.9504
Total	**0.5815**	**3.2842**	**8.2612**	**0.0133**		**0.0353**	**0.0353**		**0.0353**	**0.0353**	**0.0000**	**1,254.6890**	**1,254.6890**	**0.0505**		**1,255.9504**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.2420	9.1658	1.5589	0.0376	1.0342	0.0107	1.0448	0.2977	0.0102	0.3078		3,939.8755	3,939.8755	0.2119		3,945.1721
Worker	0.3619	0.2438	2.8331	0.0149	2.6321	6.5600e-003	2.6387	0.6981	6.0300e-003	0.7041		1,483.4419	1,483.4419	0.0139		1,483.7898
Total	**0.6039**	**9.4096**	**4.3920**	**0.0525**	**3.6663**	**0.0172**	**3.6835**	**0.9958**	**0.0162**	**1.0120**		**5,423.3174**	**5,423.3174**	**0.2258**		**5,428.9619**

3.6 Paving - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8284	3.6981	12.6234	0.0218		0.0847	0.0847		0.0847	0.0847		2,063.6517	2,063.6517	0.0730		2,065.4776
Paving	3.9009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.7293**	**3.6981**	**12.6234**	**0.0218**		**0.0847**	**0.0847**		**0.0847**	**0.0847**		**2,063.6517**	**2,063.6517**	**0.0730**		**2,065.4776**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0171	0.0115	0.1334	7.0000e-004	0.1240	3.1000e-004	0.1243	0.0329	2.8000e-004	0.0332		69.8723	69.8723	6.6000e-004		69.8887
Total	**0.0171**	**0.0115**	**0.1334**	**7.0000e-004**	**0.1240**	**3.1000e-004**	**0.1243**	**0.0329**	**2.8000e-004**	**0.0332**		**69.8723**	**69.8723**	**6.6000e-004**		**69.8887**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8284	3.6981	12.6234	0.0218		0.0847	0.0847		0.0847	0.0847	0.0000	2,063.6517	2,063.6517	0.0730		2,065.4776
Paving	3.9009					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**4.7293**	**3.6981**	**12.6234**	**0.0218**		**0.0847**	**0.0847**		**0.0847**	**0.0847**	**0.0000**	**2,063.6517**	**2,063.6517**	**0.0730**		**2,065.4776**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0171	0.0115	0.1334	7.0000e-004	0.1240	3.1000e-004	0.1243	0.0329	2.8000e-004	0.0332		69.8723	69.8723	6.6000e-004		69.8887
Total	**0.0171**	**0.0115**	**0.1334**	**7.0000e-004**	**0.1240**	**3.1000e-004**	**0.1243**	**0.0329**	**2.8000e-004**	**0.0332**		**69.8723**	**69.8723**	**6.6000e-004**		**69.8887**

3.7 Architectural Coating - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	57.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		375.2641	375.2641	0.0132		375.5942
Total	**57.2767**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**375.2641**	**375.2641**	**0.0132**		**375.5942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0734	0.0495	0.5748	3.0100e-003	0.5341	1.3300e-003	0.5354	0.1416	1.2200e-003	0.1429		300.9882	300.9882	2.8200e-003		301.0588
Total	**0.0734**	**0.0495**	**0.5748**	**3.0100e-003**	**0.5341**	**1.3300e-003**	**0.5354**	**0.1416**	**1.2200e-003**	**0.1429**		**300.9882**	**300.9882**	**2.8200e-003**		**301.0588**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	57.1235					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	375.2641	375.2641	0.0132		375.5942
Total	**57.2767**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**375.2641**	**375.2641**	**0.0132**		**375.5942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0734	0.0495	0.5748	3.0100e-003	0.5341	1.3300e-003	0.5354	0.1416	1.2200e-003	0.1429		300.9882	300.9882	2.8200e-003		301.0588
Total	**0.0734**	**0.0495**	**0.5748**	**3.0100e-003**	**0.5341**	**1.3300e-003**	**0.5354**	**0.1416**	**1.2200e-003**	**0.1429**		**300.9882**	**300.9882**	**2.8200e-003**		**301.0588**

Construction (Phase 6)

Annual Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Valley's Edge Specific Plan Project - Construction (Phase 6)

Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.66	1000sqft	3.00	5,662.00	0
Other Asphalt Surfaces	8.24	Acre	8.24	358,934.40	0
Free-Standing Discount store	0.40	1000sqft	0.00	400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 6: Office: 5.662 ksf, Retail: 0.4 ksf, Paving: 8.24 acres. 3 Acre site.

Construction Phase - Construction would occur between 4/1/2043 to 7/31/2043.

Off-road Equipment - Defualt equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Trips and VMT - Defualt trips assumed.

Grading - Updated acres disturbed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblAreaCoating	Area_Parking	0	21536
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	300.00	50.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	20.00	9.00
tblGrading	AcresOfGrading	1.00	3.00
tblGrading	AcresOfGrading	35.00	3.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	203.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	71
tblProjectCharacteristics	WindSpeed	0	2.2

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2043	0.1440	0.1899	0.4657	1.1600e-003	0.0536	3.2200e-003	0.0569	0.0241	3.2200e-003	0.0273	0.0000	107.4045	107.4045	3.4400e-003	1.4400e-003	107.9205
Maximum	**0.1440**	**0.1899**	**0.4657**	**1.1600e-003**	**0.0536**	**3.2200e-003**	**0.0569**	**0.0241**	**3.2200e-003**	**0.0273**	**0.0000**	**107.4045**	**107.4045**	**3.4400e-003**	**1.4400e-003**	**107.9205**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2043	0.1440	0.1899	0.4657	1.1600e-003	0.0320	3.2200e-003	0.0352	0.0130	3.2200e-003	0.0162	0.0000	107.4044	107.4044	3.4400e-003	1.4400e-003	107.9203
Maximum	**0.1440**	**0.1899**	**0.4657**	**1.1600e-003**	**0.0320**	**3.2200e-003**	**0.0352**	**0.0130**	**3.2200e-003**	**0.0162**	**0.0000**	**107.4044**	**107.4044**	**3.4400e-003**	**1.4400e-003**	**107.9203**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**40.32**	**0.00**	**38.05**	**46.14**	**0.00**	**40.68**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2043	4/2/2043	5	2	
2	Grading	Grading	4/3/2043	4/16/2043	5	10	
3	Building Construction	Building Construction	4/17/2043	6/25/2043	5	50	
4	Paving	Paving	6/26/2043	7/8/2043	5	9	
5	Architectural Coating	Architectural Coating	7/9/2043	7/21/2043	5	9	
6	Trenching	Trenching	4/3/2043	4/16/2043	5	10	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 3

Acres of Paving: 8.24

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,093; Non-Residential Outdoor: 3,031; Striped Parking Area: 21,536 (Architectural

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	6.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	70.00	26.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.6100e-003	0.0000	7.6100e-003	3.4800e-003	0.0000	3.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	2.2400e-003	5.1300e-003	2.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	2.2943	2.2943	8.0000e-005	0.0000	2.2963
Total	**9.9000e-004**	**2.2400e-003**	**5.1300e-003**	**2.0000e-005**	**7.6100e-003**	**9.0000e-005**	**7.7000e-003**	**3.4800e-003**	**9.0000e-005**	**3.5700e-003**	**0.0000**	**2.2943**	**2.2943**	**8.0000e-005**	**0.0000**	**2.2963**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-005	0.0000	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0187	0.0187	0.0000	0.0000	0.0189
Total	**1.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0187**	**0.0187**	**0.0000**	**0.0000**	**0.0189**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.4300e-003	0.0000	3.4300e-003	1.5700e-003	0.0000	1.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	2.2400e-003	5.1300e-003	2.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	2.2943	2.2943	8.0000e-005	0.0000	2.2963
Total	**9.9000e-004**	**2.2400e-003**	**5.1300e-003**	**2.0000e-005**	**3.4300e-003**	**9.0000e-005**	**3.5200e-003**	**1.5700e-003**	**9.0000e-005**	**1.6600e-003**	**0.0000**	**2.2943**	**2.2943**	**8.0000e-005**	**0.0000**	**2.2963**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-005	0.0000	6.0000e-005	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0187	0.0187	0.0000	0.0000	0.0189
Total	**1.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0187**	**0.0187**	**0.0000**	**0.0000**	**0.0189**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

3.3 Grading - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0317	0.0000	0.0317	0.0167	0.0000	0.0167	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0163	0.0427	0.1003	3.9000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	38.7618	38.7618	1.2800e-003	0.0000	38.7939
Total	**0.0163**	**0.0427**	**0.1003**	**3.9000e-004**	**0.0317**	**1.3300e-003**	**0.0330**	**0.0167**	**1.3300e-003**	**0.0181**	**0.0000**	**38.7618**	**38.7618**	**1.2800e-003**	**0.0000**	**38.7939**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	9.0000e-005	5.0000e-005	9.3000e-004	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.2810	0.2810	1.0000e-005	1.0000e-005	0.2835
Total	**9.0000e-005**	**5.0000e-005**	**9.3000e-004**	**0.0000**	**4.8000e-004**	**0.0000**	**4.8000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.2810**	**0.2810**	**1.0000e-005**	**1.0000e-005**	**0.2835**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0143	0.0000	0.0143	7.5300e-003	0.0000	7.5300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0163	0.0427	0.1003	3.9000e-004		1.3300e-003	1.3300e-003		1.3300e-003	1.3300e-003	0.0000	38.7618	38.7618	1.2800e-003	0.0000	38.7938
Total	**0.0163**	**0.0427**	**0.1003**	**3.9000e-004**	**0.0143**	**1.3300e-003**	**0.0156**	**7.5300e-003**	**1.3300e-003**	**8.8600e-003**	**0.0000**	**38.7618**	**38.7618**	**1.2800e-003**	**0.0000**	**38.7938**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	9.0000e-005	5.0000e-005	9.3000e-004	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.2810	0.2810	1.0000e-005	1.0000e-005	0.2835
Total	**9.0000e-005**	**5.0000e-005**	**9.3000e-004**	**0.0000**	**4.8000e-004**	**0.0000**	**4.8000e-004**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.2810**	**0.2810**	**1.0000e-005**	**1.0000e-005**	**0.2835**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

3.4 Building Construction - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0146	0.0823	0.2070	3.3000e-004		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	28.5166	28.5166	1.1500e-003	0.0000	28.5452
Total	**0.0146**	**0.0823**	**0.2070**	**3.3000e-004**		**8.9000e-004**	**8.9000e-004**		**8.9000e-004**	**8.9000e-004**	**0.0000**	**28.5166**	**28.5166**	**1.1500e-003**	**0.0000**	**28.5452**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.5000e-004	0.0253	8.6000e-003	9.0000e-005	3.5000e-003	1.5000e-004	3.6400e-003	1.0100e-003	1.4000e-004	1.1500e-003	0.0000	8.5675	8.5675	3.0000e-005	1.2600e-003	8.9451
Worker	1.7100e-003	1.0600e-003	0.0180	6.0000e-005	9.3100e-003	2.0000e-005	9.3300e-003	2.4800e-003	2.0000e-005	2.5000e-003	0.0000	5.4633	5.4633	1.0000e-004	1.5000e-004	5.5117
Total	**2.3600e-003**	**0.0263**	**0.0266**	**1.5000e-004**	**0.0128**	**1.7000e-004**	**0.0130**	**3.4900e-003**	**1.6000e-004**	**3.6500e-003**	**0.0000**	**14.0308**	**14.0308**	**1.3000e-004**	**1.4100e-003**	**14.4567**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0146	0.0823	0.2070	3.3000e-004		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	28.5165	28.5165	1.1500e-003	0.0000	28.5452
Total	**0.0146**	**0.0823**	**0.2070**	**3.3000e-004**		**8.9000e-004**	**8.9000e-004**		**8.9000e-004**	**8.9000e-004**	**0.0000**	**28.5165**	**28.5165**	**1.1500e-003**	**0.0000**	**28.5452**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.5000e-004	0.0253	8.6000e-003	9.0000e-005	3.5000e-003	1.5000e-004	3.6400e-003	1.0100e-003	1.4000e-004	1.1500e-003	0.0000	8.5675	8.5675	3.0000e-005	1.2600e-003	8.9451
Worker	1.7100e-003	1.0600e-003	0.0180	6.0000e-005	9.3100e-003	2.0000e-005	9.3300e-003	2.4800e-003	2.0000e-005	2.5000e-003	0.0000	5.4633	5.4633	1.0000e-004	1.5000e-004	5.5117
Total	**2.3600e-003**	**0.0263**	**0.0266**	**1.5000e-004**	**0.0128**	**1.7000e-004**	**0.0130**	**3.4900e-003**	**1.6000e-004**	**3.6500e-003**	**0.0000**	**14.0308**	**14.0308**	**1.3000e-004**	**1.4100e-003**	**14.4567**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

3.5 Paving - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7200e-003	0.0166	0.0568	1.0000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	8.4186	8.4186	3.0000e-004	0.0000	8.4260
Paving	0.0108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0145**	**0.0166**	**0.0568**	**1.0000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**8.4186**	**8.4186**	**3.0000e-004**	**0.0000**	**8.4260**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.0000e-005	4.0000e-005	6.5000e-004	0.0000	3.4000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.1967	0.1967	0.0000	1.0000e-005	0.1984
Total	**6.0000e-005**	**4.0000e-005**	**6.5000e-004**	**0.0000**	**3.4000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.1967**	**0.1967**	**0.0000**	**1.0000e-005**	**0.1984**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.7200e-003	0.0166	0.0568	1.0000e-004		3.8000e-004	3.8000e-004		3.8000e-004	3.8000e-004	0.0000	8.4186	8.4186	3.0000e-004	0.0000	8.4260
Paving	0.0108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0145**	**0.0166**	**0.0568**	**1.0000e-004**		**3.8000e-004**	**3.8000e-004**		**3.8000e-004**	**3.8000e-004**	**0.0000**	**8.4186**	**8.4186**	**3.0000e-004**	**0.0000**	**8.4260**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	6.0000e-005	4.0000e-005	6.5000e-004	0.0000	3.4000e-004	0.0000	3.4000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.1967	0.1967	0.0000	1.0000e-005	0.1984
Total	**6.0000e-005**	**4.0000e-005**	**6.5000e-004**	**0.0000**	**3.4000e-004**	**0.0000**	**3.4000e-004**	**9.0000e-005**	**0.0000**	**9.0000e-005**	**0.0000**	**0.1967**	**0.1967**	**0.0000**	**1.0000e-005**	**0.1984**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

3.6 Architectural Coating - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0889					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9000e-004	4.3600e-003	0.0108	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5333
Total	**0.0896**	**4.3600e-003**	**0.0108**	**2.0000e-005**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**1.5320**	**1.5320**	**5.0000e-005**	**0.0000**	**1.5333**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	7.0000e-005	4.0000e-005	7.4000e-004	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2248	0.2248	0.0000	1.0000e-005	0.2268
Total	**7.0000e-005**	**4.0000e-005**	**7.4000e-004**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2248**	**0.2248**	**0.0000**	**1.0000e-005**	**0.2268**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0889					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.9000e-004	4.3600e-003	0.0108	2.0000e-005		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	1.5320	1.5320	5.0000e-005	0.0000	1.5333
Total	**0.0896**	**4.3600e-003**	**0.0108**	**2.0000e-005**		**4.0000e-005**	**4.0000e-005**		**4.0000e-005**	**4.0000e-005**	**0.0000**	**1.5320**	**1.5320**	**5.0000e-005**	**0.0000**	**1.5333**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	7.0000e-005	4.0000e-005	7.4000e-004	0.0000	3.8000e-004	0.0000	3.8000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2248	0.2248	0.0000	1.0000e-005	0.2268
Total	**7.0000e-005**	**4.0000e-005**	**7.4000e-004**	**0.0000**	**3.8000e-004**	**0.0000**	**3.8000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2248**	**0.2248**	**0.0000**	**1.0000e-005**	**0.2268**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

3.7 Trenching - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.3900e-003	0.0152	0.0562	1.4000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	12.9733	12.9733	4.3000e-004	0.0000	12.9840
Total	**5.3900e-003**	**0.0152**	**0.0562**	**1.4000e-004**		**3.3000e-004**	**3.3000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**12.9733**	**12.9733**	**4.3000e-004**	**0.0000**	**12.9840**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	5.0000e-005	3.0000e-005	5.1000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1561	0.1561	0.0000	0.0000	0.1575
Total	**5.0000e-005**	**3.0000e-005**	**5.1000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**2.7000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1561**	**0.1561**	**0.0000**	**0.0000**	**0.1575**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:57 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.3900e-003	0.0152	0.0562	1.4000e-004		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	12.9733	12.9733	4.3000e-004	0.0000	12.9840
Total	**5.3900e-003**	**0.0152**	**0.0562**	**1.4000e-004**		**3.3000e-004**	**3.3000e-004**		**3.3000e-004**	**3.3000e-004**	**0.0000**	**12.9733**	**12.9733**	**4.3000e-004**	**0.0000**	**12.9840**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	5.0000e-005	3.0000e-005	5.1000e-004	0.0000	2.7000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.1561	0.1561	0.0000	0.0000	0.1575
Total	**5.0000e-005**	**3.0000e-005**	**5.1000e-004**	**0.0000**	**2.7000e-004**	**0.0000**	**2.7000e-004**	**7.0000e-005**	**0.0000**	**7.0000e-005**	**0.0000**	**0.1561**	**0.1561**	**0.0000**	**0.0000**	**0.1575**

Construction (Phase 6)

Summer Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Valley's Edge Specific Plan Project - Construction (Phase 6)

Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.66	1000sqft	3.00	5,662.00	0
Other Asphalt Surfaces	8.24	Acre	8.24	358,934.40	0
Free-Standing Discount store	0.40	1000sqft	0.00	400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 6: Office: 5.662 ksf, Retail: 0.4 ksf, Paving: 8.24 acres. 3 Acre site.

Construction Phase - Construction would occur between 4/1/2043 to 7/31/2043.

Off-road Equipment - Defualt equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Trips and VMT - Defualt trips assumed.

Grading - Updated acres disturbed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblAreaCoating	Area_Parking	0	21536
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	300.00	50.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	20.00	9.00
tblGrading	AcresOfGrading	1.00	3.00
tblGrading	AcresOfGrading	35.00	3.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	203.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	71
tblProjectCharacteristics	WindSpeed	0	2.2

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2043	19.9305	11.5895	31.6349	0.1067	7.6462	0.3321	7.7328	3.4908	0.3320	3.7179	0.0000	11,511.4809	11,511.4809	0.3789	0.0621	11,521.7209
Maximum	**19.9305**	**11.5895**	**31.6349**	**0.1067**	**7.6462**	**0.3321**	**7.7328**	**3.4908**	**0.3320**	**3.7179**	**0.0000**	**11,511.4809**	**11,511.4809**	**0.3789**	**0.0621**	**11,521.7209**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2043	19.9305	11.5895	31.6349	0.1067	3.4591	0.3321	3.5457	1.5757	0.3320	1.8784	0.0000	11,511.4809	11,511.4809	0.3789	0.0621	11,521.7209
Maximum	**19.9305**	**11.5895**	**31.6349**	**0.1067**	**3.4591**	**0.3321**	**3.5457**	**1.5757**	**0.3320**	**1.8784**	**0.0000**	**11,511.4809**	**11,511.4809**	**0.3789**	**0.0621**	**11,521.7209**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.76**	**0.00**	**54.15**	**54.86**	**0.00**	**49.48**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2043	4/2/2043	5	2	
2	Grading	Grading	4/3/2043	4/16/2043	5	10	
3	Building Construction	Building Construction	4/17/2043	6/25/2043	5	50	
4	Paving	Paving	6/26/2043	7/8/2043	5	9	
5	Architectural Coating	Architectural Coating	7/9/2043	7/21/2043	5	9	
6	Trenching	Trenching	4/3/2043	4/16/2043	5	10	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 3

Acres of Paving: 8.24

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,093; Non-Residential Outdoor: 3,031; Striped Parking Area: 21,536 (Architectural

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	6.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	70.00	26.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	0.9932	2.2373	5.1266	0.0240		0.0865	0.0865		0.0865	0.0865		2,529.0613	2,529.0613	0.0871		2,531.2382
Total	**0.9932**	**2.2373**	**5.1266**	**0.0240**	**7.6128**	**0.0865**	**7.6994**	**3.4820**	**0.0865**	**3.5685**		**2,529.0613**	**2,529.0613**	**0.0871**		**2,531.2382**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0500e-003	3.3500e-003	0.0702	2.2000e-004	0.0333	7.0000e-005	0.0334	8.8400e-003	7.0000e-005	8.9100e-003		22.6823	22.6823	3.5000e-004	5.5000e-004	22.8555
Total	**7.0500e-003**	**3.3500e-003**	**0.0702**	**2.2000e-004**	**0.0333**	**7.0000e-005**	**0.0334**	**8.8400e-003**	**7.0000e-005**	**8.9100e-003**		**22.6823**	**22.6823**	**3.5000e-004**	**5.5000e-004**	**22.8555**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.4258	0.0000	3.4258	1.5669	0.0000	1.5669			0.0000			0.0000
Off-Road	0.9932	2.2373	5.1266	0.0240		0.0865	0.0865		0.0865	0.0865	0.0000	2,529.0613	2,529.0613	0.0871		2,531.2382
Total	**0.9932**	**2.2373**	**5.1266**	**0.0240**	**3.4258**	**0.0865**	**3.5123**	**1.5669**	**0.0865**	**1.6534**	**0.0000**	**2,529.0613**	**2,529.0613**	**0.0871**		**2,531.2382**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0500e-003	3.3500e-003	0.0702	2.2000e-004	0.0333	7.0000e-005	0.0334	8.8400e-003	7.0000e-005	8.9100e-003		22.6823	22.6823	3.5000e-004	5.5000e-004	22.8555
Total	**7.0500e-003**	**3.3500e-003**	**0.0702**	**2.2000e-004**	**0.0333**	**7.0000e-005**	**0.0334**	**8.8400e-003**	**7.0000e-005**	**8.9100e-003**		**22.6823**	**22.6823**	**3.5000e-004**	**5.5000e-004**	**22.8555**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.3 Grading - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.3402	0.0000	6.3402	3.3446	0.0000	3.3446			0.0000			0.0000
Off-Road	3.2628	8.5447	20.0674	0.0782		0.2652	0.2652		0.2652	0.2652		8,545.5145	8,545.5145	0.2827		8,552.5820
Total	**3.2628**	**8.5447**	**20.0674**	**0.0782**	**6.3402**	**0.2652**	**6.6055**	**3.3446**	**0.2652**	**3.6098**		**8,545.5145**	**8,545.5145**	**0.2827**		**8,552.5820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0101	0.2106	6.7000e-004	0.1000	2.1000e-004	0.1002	0.0265	2.0000e-004	0.0267		68.0470	68.0470	1.0600e-003	1.6500e-003	68.5666
Total	**0.0212**	**0.0101**	**0.2106**	**6.7000e-004**	**0.1000**	**2.1000e-004**	**0.1002**	**0.0265**	**2.0000e-004**	**0.0267**		**68.0470**	**68.0470**	**1.0600e-003**	**1.6500e-003**	**68.5666**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.8531	0.0000	2.8531	1.5051	0.0000	1.5051			0.0000			0.0000
Off-Road	3.2628	8.5447	20.0674	0.0782		0.2652	0.2652		0.2652	0.2652	0.0000	8,545.5145	8,545.5145	0.2827		8,552.5820
Total	**3.2628**	**8.5447**	**20.0674**	**0.0782**	**2.8531**	**0.2652**	**3.1183**	**1.5051**	**0.2652**	**1.7703**	**0.0000**	**8,545.5145**	**8,545.5145**	**0.2827**		**8,552.5820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0212	0.0101	0.2106	6.7000e-004	0.1000	2.1000e-004	0.1002	0.0265	2.0000e-004	0.0267		68.0470	68.0470	1.0600e-003	1.6500e-003	68.5666
Total	**0.0212**	**0.0101**	**0.2106**	**6.7000e-004**	**0.1000**	**2.1000e-004**	**0.1002**	**0.0265**	**2.0000e-004**	**0.0267**		**68.0470**	**68.0470**	**1.0600e-003**	**1.6500e-003**	**68.5666**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.4 Building Construction - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5828	3.2913	8.2790	0.0133		0.0354	0.0354		0.0354	0.0354		1,257.3652	1,257.3652	0.0506		1,258.6294
Total	**0.5828**	**3.2913**	**8.2790**	**0.0133**		**0.0354**	**0.0354**		**0.0354**	**0.0354**		**1,257.3652**	**1,257.3652**	**0.0506**		**1,258.6294**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0271	0.9597	0.3381	3.5800e-003	0.1450	5.8000e-003	0.1508	0.0418	5.5500e-003	0.0473		377.3153	377.3153	1.4200e-003	0.0557	393.9358
Worker	0.0823	0.0391	0.8190	2.6200e-003	0.3889	8.3000e-004	0.3897	0.1032	7.6000e-004	0.1040		264.6272	264.6272	4.1300e-003	6.4300e-003	266.6478
Total	**0.1094**	**0.9988**	**1.1571**	**6.2000e-003**	**0.5339**	**6.6300e-003**	**0.5405**	**0.1450**	**6.3100e-003**	**0.1513**		**641.9425**	**641.9425**	**5.5500e-003**	**0.0621**	**660.5836**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5828	3.2913	8.2790	0.0133		0.0354	0.0354		0.0354	0.0354	0.0000	1,257.3652	1,257.3652	0.0506		1,258.6294
Total	**0.5828**	**3.2913**	**8.2790**	**0.0133**		**0.0354**	**0.0354**		**0.0354**	**0.0354**	**0.0000**	**1,257.3652**	**1,257.3652**	**0.0506**		**1,258.6294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0271	0.9597	0.3381	3.5800e-003	0.1450	5.8000e-003	0.1508	0.0418	5.5500e-003	0.0473		377.3153	377.3153	1.4200e-003	0.0557	393.9358
Worker	0.0823	0.0391	0.8190	2.6200e-003	0.3889	8.3000e-004	0.3897	0.1032	7.6000e-004	0.1040		264.6272	264.6272	4.1300e-003	6.4300e-003	266.6478
Total	**0.1094**	**0.9988**	**1.1571**	**6.2000e-003**	**0.5339**	**6.6300e-003**	**0.5405**	**0.1450**	**6.3100e-003**	**0.1513**		**641.9425**	**641.9425**	**5.5500e-003**	**0.0621**	**660.5836**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.5 Paving - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8277	3.6943	12.6139	0.0218		0.0846	0.0846		0.0846	0.0846		2,062.1933	2,062.1933	0.0730		2,064.0178
Paving	2.3988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2265**	**3.6943**	**12.6139**	**0.0218**		**0.0846**	**0.0846**		**0.0846**	**0.0846**		**2,062.1933**	**2,062.1933**	**0.0730**		**2,064.0178**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0165	7.8300e-003	0.1638	5.2000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		52.9254	52.9254	8.3000e-004	1.2900e-003	53.3296
Total	**0.0165**	**7.8300e-003**	**0.1638**	**5.2000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**52.9254**	**52.9254**	**8.3000e-004**	**1.2900e-003**	**53.3296**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8277	3.6943	12.6139	0.0218		0.0846	0.0846		0.0846	0.0846	0.0000	2,062.1933	2,062.1933	0.0730		2,064.0178
Paving	2.3988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2265**	**3.6943**	**12.6139**	**0.0218**		**0.0846**	**0.0846**		**0.0846**	**0.0846**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0730**		**2,064.0178**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0165	7.8300e-003	0.1638	5.2000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		52.9254	52.9254	8.3000e-004	1.2900e-003	53.3296
Total	**0.0165**	**7.8300e-003**	**0.1638**	**5.2000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**52.9254**	**52.9254**	**8.3000e-004**	**1.2900e-003**	**53.3296**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.6 Architectural Coating - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	19.7585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		375.2641	375.2641	0.0132		375.5942
Total	**19.9117**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**375.2641**	**375.2641**	**0.0132**		**375.5942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	8.9400e-003	0.1872	6.0000e-004	0.0889	1.9000e-004	0.0891	0.0236	1.7000e-004	0.0238		60.4862	60.4862	9.4000e-004	1.4700e-003	60.9481
Total	**0.0188**	**8.9400e-003**	**0.1872**	**6.0000e-004**	**0.0889**	**1.9000e-004**	**0.0891**	**0.0236**	**1.7000e-004**	**0.0238**		**60.4862**	**60.4862**	**9.4000e-004**	**1.4700e-003**	**60.9481**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	19.7585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	375.2641	375.2641	0.0132		375.5942
Total	**19.9117**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**375.2641**	**375.2641**	**0.0132**		**375.5942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0188	8.9400e-003	0.1872	6.0000e-004	0.0889	1.9000e-004	0.0891	0.0236	1.7000e-004	0.0238		60.4862	60.4862	9.4000e-004	1.4700e-003	60.9481
Total	**0.0188**	**8.9400e-003**	**0.1872**	**6.0000e-004**	**0.0889**	**1.9000e-004**	**0.0891**	**0.0236**	**1.7000e-004**	**0.0238**		**60.4862**	**60.4862**	**9.4000e-004**	**1.4700e-003**	**60.9481**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.7 Trenching - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0780	3.0292	11.2399	0.0275		0.0665	0.0665		0.0665	0.0665		2,860.1156	2,860.1156	0.0946		2,862.4798
Total	**1.0780**	**3.0292**	**11.2399**	**0.0275**		**0.0665**	**0.0665**		**0.0665**	**0.0665**		**2,860.1156**	**2,860.1156**	**0.0946**		**2,862.4798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0118	5.5900e-003	0.1170	3.7000e-004	0.0556	1.2000e-004	0.0557	0.0147	1.1000e-004	0.0149		37.8039	37.8039	5.9000e-004	9.2000e-004	38.0925
Total	**0.0118**	**5.5900e-003**	**0.1170**	**3.7000e-004**	**0.0556**	**1.2000e-004**	**0.0557**	**0.0147**	**1.1000e-004**	**0.0149**		**37.8039**	**37.8039**	**5.9000e-004**	**9.2000e-004**	**38.0925**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0780	3.0292	11.2399	0.0275		0.0665	0.0665		0.0665	0.0665	0.0000	2,860.1156	2,860.1156	0.0946		2,862.4798
Total	**1.0780**	**3.0292**	**11.2399**	**0.0275**		**0.0665**	**0.0665**		**0.0665**	**0.0665**	**0.0000**	**2,860.1156**	**2,860.1156**	**0.0946**		**2,862.4798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0118	5.5900e-003	0.1170	3.7000e-004	0.0556	1.2000e-004	0.0557	0.0147	1.1000e-004	0.0149		37.8039	37.8039	5.9000e-004	9.2000e-004	38.0925
Total	**0.0118**	**5.5900e-003**	**0.1170**	**3.7000e-004**	**0.0556**	**1.2000e-004**	**0.0557**	**0.0147**	**1.1000e-004**	**0.0149**		**37.8039**	**37.8039**	**5.9000e-004**	**9.2000e-004**	**38.0925**

Construction (Phase 6)

Winter Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Valley's Edge Specific Plan Project - Construction (Phase 6)

Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.66	1000sqft	3.00	5,662.00	0
Other Asphalt Surfaces	8.24	Acre	8.24	358,934.40	0
Free-Standing Discount store	0.40	1000sqft	0.00	400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - VESP. Modeling construction only.

Land Use - Phase 6: Office: 5.662 ksf, Retail: 0.4 ksf, Paving: 8.24 acres. 3 Acre site.

Construction Phase - Construction would occur between 4/1/2043 to 7/31/2043.

Off-road Equipment - Defualt equipment assumed.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Off-road Equipment - Updated equipment per applicant.

Trips and VMT - Defualt trips assumed.

Grading - Updated acres disturbed.

Architectural Coating - Application of low-VOC architectural coatings (50 g/L).

Construction Off-road Equipment Mitigation - Water twice daily.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblAreaCoating	Area_Parking	0	21536
tblConstructionPhase	NumDays	10.00	2.00
tblConstructionPhase	NumDays	30.00	10.00
tblConstructionPhase	NumDays	300.00	50.00
tblConstructionPhase	NumDays	20.00	9.00
tblConstructionPhase	NumDays	20.00	9.00
tblGrading	AcresOfGrading	1.00	3.00
tblGrading	AcresOfGrading	35.00	3.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.20	0.20
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CH4IntensityFactor	0	0.033
tblProjectCharacteristics	CO2IntensityFactor	0	203.98
tblProjectCharacteristics	N2OIntensityFactor	0	0.004
tblProjectCharacteristics	PrecipitationFrequency	0	71
tblProjectCharacteristics	WindSpeed	0	2.2

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2043	19.9276	11.5928	31.6073	0.1066	7.6462	0.3321	7.7328	3.4908	0.3320	3.7179	0.0000	11,499.2570	11,499.2570	0.3793	0.0632	11,509.6126
Maximum	**19.9276**	**11.5928**	**31.6073**	**0.1066**	**7.6462**	**0.3321**	**7.7328**	**3.4908**	**0.3320**	**3.7179**	**0.0000**	**11,499.2570**	**11,499.2570**	**0.3793**	**0.0632**	**11,509.6126**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2043	19.9276	11.5928	31.6073	0.1066	3.4591	0.3321	3.5457	1.5757	0.3320	1.8784	0.0000	11,499.2570	11,499.2570	0.3793	0.0632	11,509.6126
Maximum	**19.9276**	**11.5928**	**31.6073**	**0.1066**	**3.4591**	**0.3321**	**3.5457**	**1.5757**	**0.3320**	**1.8784**	**0.0000**	**11,499.2570**	**11,499.2570**	**0.3793**	**0.0632**	**11,509.6126**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.76**	**0.00**	**54.15**	**54.86**	**0.00**	**49.48**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	4/1/2043	4/2/2043	5	2	
2	Grading	Grading	4/3/2043	4/16/2043	5	10	
3	Building Construction	Building Construction	4/17/2043	6/25/2043	5	50	
4	Paving	Paving	6/26/2043	7/8/2043	5	9	
5	Architectural Coating	Architectural Coating	7/9/2043	7/21/2043	5	9	
6	Trenching	Trenching	4/3/2043	4/16/2043	5	10	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 3

Acres of Paving: 8.24

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 9,093; Non-Residential Outdoor: 3,031; Striped Parking Area: 21,536 (Architectural

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	3	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48
Grading	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Excavators	1	8.00	158	0.38
Trenching	Off-Highway Trucks	1	8.00	402	0.38
Trenching	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Off-Highway Trucks	1	8.00	402	0.38

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	2	6.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	18.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	70.00	26.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	4	10.00	0.00	0.00	7.30	6.00	20.00	LD_Mix	HDT_Mix	HHDT

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.6128	0.0000	7.6128	3.4820	0.0000	3.4820			0.0000			0.0000
Off-Road	0.9932	2.2373	5.1266	0.0240		0.0865	0.0865		0.0865	0.0865		2,529.0613	2,529.0613	0.0871		2,531.2382
Total	**0.9932**	**2.2373**	**5.1266**	**0.0240**	**7.6128**	**0.0865**	**7.6994**	**3.4820**	**0.0865**	**3.5685**		**2,529.0613**	**2,529.0613**	**0.0871**		**2,531.2382**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9500e-003	4.0700e-003	0.0643	2.0000e-004	0.0333	7.0000e-005	0.0334	8.8400e-003	7.0000e-005	8.9100e-003		20.0629	20.0629	4.4000e-004	6.3000e-004	20.2609
Total	**5.9500e-003**	**4.0700e-003**	**0.0643**	**2.0000e-004**	**0.0333**	**7.0000e-005**	**0.0334**	**8.8400e-003**	**7.0000e-005**	**8.9100e-003**		**20.0629**	**20.0629**	**4.4000e-004**	**6.3000e-004**	**20.2609**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					3.4258	0.0000	3.4258	1.5669	0.0000	1.5669			0.0000			0.0000
Off-Road	0.9932	2.2373	5.1266	0.0240		0.0865	0.0865		0.0865	0.0865	0.0000	2,529.0613	2,529.0613	0.0871		2,531.2382
Total	**0.9932**	**2.2373**	**5.1266**	**0.0240**	**3.4258**	**0.0865**	**3.5123**	**1.5669**	**0.0865**	**1.6534**	**0.0000**	**2,529.0613**	**2,529.0613**	**0.0871**		**2,531.2382**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9500e-003	4.0700e-003	0.0643	2.0000e-004	0.0333	7.0000e-005	0.0334	8.8400e-003	7.0000e-005	8.9100e-003		20.0629	20.0629	4.4000e-004	6.3000e-004	20.2609
Total	**5.9500e-003**	**4.0700e-003**	**0.0643**	**2.0000e-004**	**0.0333**	**7.0000e-005**	**0.0334**	**8.8400e-003**	**7.0000e-005**	**8.9100e-003**		**20.0629**	**20.0629**	**4.4000e-004**	**6.3000e-004**	**20.2609**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.3 Grading - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.3402	0.0000	6.3402	3.3446	0.0000	3.3446			0.0000			0.0000
Off-Road	3.2628	8.5447	20.0674	0.0782		0.2652	0.2652		0.2652	0.2652		8,545.5145	8,545.5145	0.2827		8,552.5820
Total	**3.2628**	**8.5447**	**20.0674**	**0.0782**	**6.3402**	**0.2652**	**6.6055**	**3.3446**	**0.2652**	**3.6098**		**8,545.5145**	**8,545.5145**	**0.2827**		**8,552.5820**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0179	0.0122	0.1929	6.0000e-004	0.1000	2.1000e-004	0.1002	0.0265	2.0000e-004	0.0267		60.1888	60.1888	1.3100e-003	1.8800e-003	60.7827
Total	**0.0179**	**0.0122**	**0.1929**	**6.0000e-004**	**0.1000**	**2.1000e-004**	**0.1002**	**0.0265**	**2.0000e-004**	**0.0267**		**60.1888**	**60.1888**	**1.3100e-003**	**1.8800e-003**	**60.7827**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.8531	0.0000	2.8531	1.5051	0.0000	1.5051			0.0000			0.0000
Off-Road	3.2628	8.5447	20.0674	0.0782		0.2652	0.2652		0.2652	0.2652	0.0000	8,545.5145	8,545.5145	0.2827		8,552.5820
Total	**3.2628**	**8.5447**	**20.0674**	**0.0782**	**2.8531**	**0.2652**	**3.1183**	**1.5051**	**0.2652**	**1.7703**	**0.0000**	**8,545.5145**	**8,545.5145**	**0.2827**		**8,552.5820**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0179	0.0122	0.1929	6.0000e-004	0.1000	2.1000e-004	0.1002	0.0265	2.0000e-004	0.0267		60.1888	60.1888	1.3100e-003	1.8800e-003	60.7827
Total	**0.0179**	**0.0122**	**0.1929**	**6.0000e-004**	**0.1000**	**2.1000e-004**	**0.1002**	**0.0265**	**2.0000e-004**	**0.0267**		**60.1888**	**60.1888**	**1.3100e-003**	**1.8800e-003**	**60.7827**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.4 Building Construction - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5828	3.2913	8.2790	0.0133		0.0354	0.0354		0.0354	0.0354		1,257.3652	1,257.3652	0.0506		1,258.6294
Total	**0.5828**	**3.2913**	**8.2790**	**0.0133**		**0.0354**	**0.0354**		**0.0354**	**0.0354**		**1,257.3652**	**1,257.3652**	**0.0506**		**1,258.6294**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0249	1.0394	0.3517	3.5900e-003	0.1450	5.8200e-003	0.1508	0.0418	5.5700e-003	0.0473		378.3793	378.3793	1.3300e-003	0.0559	395.0619
Worker	0.0695	0.0475	0.7500	2.3200e-003	0.3889	8.3000e-004	0.3897	0.1032	7.6000e-004	0.1040		234.0674	234.0674	5.0800e-003	7.3200e-003	236.3771
Total	**0.0944**	**1.0868**	**1.1017**	**5.9100e-003**	**0.5339**	**6.6500e-003**	**0.5406**	**0.1450**	**6.3300e-003**	**0.1513**		**612.4468**	**612.4468**	**6.4100e-003**	**0.0632**	**631.4389**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5828	3.2913	8.2790	0.0133		0.0354	0.0354		0.0354	0.0354	0.0000	1,257.3652	1,257.3652	0.0506		1,258.6294
Total	**0.5828**	**3.2913**	**8.2790**	**0.0133**		**0.0354**	**0.0354**		**0.0354**	**0.0354**	**0.0000**	**1,257.3652**	**1,257.3652**	**0.0506**		**1,258.6294**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0249	1.0394	0.3517	3.5900e-003	0.1450	5.8200e-003	0.1508	0.0418	5.5700e-003	0.0473		378.3793	378.3793	1.3300e-003	0.0559	395.0619
Worker	0.0695	0.0475	0.7500	2.3200e-003	0.3889	8.3000e-004	0.3897	0.1032	7.6000e-004	0.1040		234.0674	234.0674	5.0800e-003	7.3200e-003	236.3771
Total	**0.0944**	**1.0868**	**1.1017**	**5.9100e-003**	**0.5339**	**6.6500e-003**	**0.5406**	**0.1450**	**6.3300e-003**	**0.1513**		**612.4468**	**612.4468**	**6.4100e-003**	**0.0632**	**631.4389**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.5 Paving - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8277	3.6943	12.6139	0.0218		0.0846	0.0846		0.0846	0.0846		2,062.1933	2,062.1933	0.0730		2,064.0178
Paving	2.3988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2265**	**3.6943**	**12.6139**	**0.0218**		**0.0846**	**0.0846**		**0.0846**	**0.0846**		**2,062.1933**	**2,062.1933**	**0.0730**		**2,064.0178**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0139	9.4900e-003	0.1500	4.6000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		46.8135	46.8135	1.0200e-003	1.4600e-003	47.2754
Total	**0.0139**	**9.4900e-003**	**0.1500**	**4.6000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**46.8135**	**46.8135**	**1.0200e-003**	**1.4600e-003**	**47.2754**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8277	3.6943	12.6139	0.0218		0.0846	0.0846		0.0846	0.0846	0.0000	2,062.1933	2,062.1933	0.0730		2,064.0178
Paving	2.3988					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**3.2265**	**3.6943**	**12.6139**	**0.0218**		**0.0846**	**0.0846**		**0.0846**	**0.0846**	**0.0000**	**2,062.1933**	**2,062.1933**	**0.0730**		**2,064.0178**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0139	9.4900e-003	0.1500	4.6000e-004	0.0778	1.7000e-004	0.0780	0.0206	1.5000e-004	0.0208		46.8135	46.8135	1.0200e-003	1.4600e-003	47.2754
Total	**0.0139**	**9.4900e-003**	**0.1500**	**4.6000e-004**	**0.0778**	**1.7000e-004**	**0.0780**	**0.0206**	**1.5000e-004**	**0.0208**		**46.8135**	**46.8135**	**1.0200e-003**	**1.4600e-003**	**47.2754**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.6 Architectural Coating - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	19.7585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		375.2641	375.2641	0.0132		375.5942
Total	**19.9117**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**		**375.2641**	**375.2641**	**0.0132**		**375.5942**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0159	0.0109	0.1714	5.3000e-004	0.0889	1.9000e-004	0.0891	0.0236	1.7000e-004	0.0238		53.5011	53.5011	1.1600e-003	1.6700e-003	54.0291
Total	**0.0159**	**0.0109**	**0.1714**	**5.3000e-004**	**0.0889**	**1.9000e-004**	**0.0891**	**0.0236**	**1.7000e-004**	**0.0238**		**53.5011**	**53.5011**	**1.1600e-003**	**1.6700e-003**	**54.0291**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	19.7585					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1532	0.9694	2.3897	3.9600e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003	0.0000	375.2641	375.2641	0.0132		375.5942
Total	**19.9117**	**0.9694**	**2.3897**	**3.9600e-003**		**9.9000e-003**	**9.9000e-003**		**9.9000e-003**	**9.9000e-003**	**0.0000**	**375.2641**	**375.2641**	**0.0132**		**375.5942**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0159	0.0109	0.1714	5.3000e-004	0.0889	1.9000e-004	0.0891	0.0236	1.7000e-004	0.0238		53.5011	53.5011	1.1600e-003	1.6700e-003	54.0291
Total	**0.0159**	**0.0109**	**0.1714**	**5.3000e-004**	**0.0889**	**1.9000e-004**	**0.0891**	**0.0236**	**1.7000e-004**	**0.0238**		**53.5011**	**53.5011**	**1.1600e-003**	**1.6700e-003**	**54.0291**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

3.7 Trenching - 2043

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0780	3.0292	11.2399	0.0275		0.0665	0.0665		0.0665	0.0665		2,860.1156	2,860.1156	0.0946		2,862.4798
Total	**1.0780**	**3.0292**	**11.2399**	**0.0275**		**0.0665**	**0.0665**		**0.0665**	**0.0665**		**2,860.1156**	**2,860.1156**	**0.0946**		**2,862.4798**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9200e-003	6.7800e-003	0.1072	3.3000e-004	0.0556	1.2000e-004	0.0557	0.0147	1.1000e-004	0.0149		33.4382	33.4382	7.3000e-004	1.0500e-003	33.7682
Total	**9.9200e-003**	**6.7800e-003**	**0.1072**	**3.3000e-004**	**0.0556**	**1.2000e-004**	**0.0557**	**0.0147**	**1.1000e-004**	**0.0149**		**33.4382**	**33.4382**	**7.3000e-004**	**1.0500e-003**	**33.7682**

CalEEMod Version: CalEEMod.2020.4.0

Date: 6/9/2021 3:59 PM

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0780	3.0292	11.2399	0.0275		0.0665	0.0665		0.0665	0.0665	0.0000	2,860.1156	2,860.1156	0.0946		2,862.4798
Total	**1.0780**	**3.0292**	**11.2399**	**0.0275**		**0.0665**	**0.0665**		**0.0665**	**0.0665**	**0.0000**	**2,860.1156**	**2,860.1156**	**0.0946**		**2,862.4798**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.9200e-003	6.7800e-003	0.1072	3.3000e-004	0.0556	1.2000e-004	0.0557	0.0147	1.1000e-004	0.0149		33.4382	33.4382	7.3000e-004	1.0500e-003	33.7682
Total	**9.9200e-003**	**6.7800e-003**	**0.1072**	**3.3000e-004**	**0.0556**	**1.2000e-004**	**0.0557**	**0.0147**	**1.1000e-004**	**0.0149**		**33.4382**	**33.4382**	**7.3000e-004**	**1.0500e-003**	**33.7682**

Operations

Annual Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Valley's Edge Specific Plan Project - Buildout

Butte County AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	272.00	1000sqft	6.24	272,000.00	0
Medical Office Building	136.00	1000sqft	3.12	136,000.00	0
Elementary School	500.00	Student	0.96	41,801.69	0
City Park	8.00	Acre	8.00	348,480.00	0
Apartments Low Rise	162.00	Dwelling Unit	10.13	146,167.00	408
Retirement Community	1,385.00	Dwelling Unit	277.00	2,550,000.00	2138
Single Family Housing	1,230.00	Dwelling Unit	399.35	3,153,800.00	3099
Regional Shopping Center	39.00	1000sqft	0.90	39,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Valley's Edge Specific Plan Project. BCAQMD. Project buildout in 2045.

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use - SF Detached Housing: 1230 DU, MFH Low Rise: 162, Senior Adult Housing: 1385, Shopping: 39 KSF, Office: 272 KSF, Medical: 136 KSF, Elementary School: 500 students, and 7 soccer field. Updated population, 2.52 persons per household, 5,645 residents.

Construction Phase - Modeling operations only.

Off-road Equipment - Modeling operations only.

Trips and VMT - Modeling operations only.

On-road Fugitive Dust - Modeling operations only.

Demolition - Modeling operations only.

Grading - Modeling operations only.

Architectural Coating - Modeling operations only.

Vehicle Trips - Update trip rate and trip length per TRA (Fehr and Peers).

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust -

Woodstoves - No natural gas fireplaces assumed.

Consumer Products - Updated using 2012 CARB Almanac emissions data.

Area Coating - Adjusted assuming low-VOC arch coatings of 50 g/L.

Energy Use - Default rates adjusted based on assumption of no natural gas in new buildings.

Water And Wastewater - Default water and wastewater. Assumed 100% aerobic.

Solid Waste - Per County data (B. Mannel 2014) Neal Road Landfill captures at least 90% methane with their geomembrane cover.

Energy Mitigation - Assume energy use offset by 28% accounting for PVs.

Water Mitigation - Reduce water consumption by 20% per CalGreen.

Waste Mitigation - Assume 75% waste diverted consistent with AB 341.

Fleet Mix - Update fleet mix per City of Chico traffic data.

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblConstructionPhase	NumDays	480.00	0.00
tblConsumerProducts	ROG_EF	2.14E-05	1.82E-05
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	NT24NG	1.92	0.00
tblEnergyUse	NT24NG	0.28	0.00
tblEnergyUse	NT24NG	0.28	0.00
tblEnergyUse	NT24NG	2.08	0.00
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	T24E	147.91	1,382.40
tblEnergyUse	T24E	1.92	17.94
tblEnergyUse	T24E	2.34	21.87
tblEnergyUse	T24E	2.34	21.87
tblEnergyUse	T24E	1.91	17.85
tblEnergyUse	T24E	147.91	1,382.40
tblEnergyUse	T24E	209.15	401.57
tblEnergyUse	T24NG	9,924.02	0.00
tblEnergyUse	T24NG	22.96	0.00
tblEnergyUse	T24NG	12.64	0.00
tblEnergyUse	T24NG	12.64	0.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24NG	8.53	0.00
tblEnergyUse	T24NG	9,924.02	0.00
tblEnergyUse	T24NG	20,314.55	0.00
tblFireplaces	FireplaceWoodMass	5,158.40	0.00
tblFireplaces	FireplaceWoodMass	5,158.40	0.00
tblFireplaces	FireplaceWoodMass	5,158.40	0.00
tblFireplaces	NumberGas	69.66	0.00
tblFireplaces	NumberGas	595.55	0.00
tblFireplaces	NumberGas	528.90	0.00
tblFireplaces	NumberNoFireplace	29.16	162.00
tblFireplaces	NumberNoFireplace	249.30	1,385.00
tblFireplaces	NumberNoFireplace	221.40	1,230.00
tblFireplaces	NumberWood	63.18	0.00
tblFireplaces	NumberWood	540.15	0.00
tblFireplaces	NumberWood	479.70	0.00
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblGrading	AcresOfGrading	0.00	720.00
tblLandUse	LandUseSquareFeet	162,000.00	146,167.00
tblLandUse	LandUseSquareFeet	1,385,000.00	2,550,000.00
tblLandUse	LandUseSquareFeet	2,214,000.00	3,153,800.00
tblLandUse	Population	463.00	408.00
tblLandUse	Population	3,961.00	2,138.00
tblLandUse	Population	3,518.00	3,099.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblVehicleTrips	CC_TL	6.00	4.63
tblVehicleTrips	CC_TL	6.00	6.34
tblVehicleTrips	CC_TL	6.00	6.74
tblVehicleTrips	CC_TL	6.00	6.71
tblVehicleTrips	CC_TL	6.00	8.57
tblVehicleTrips	CNW_TL	6.00	4.63
tblVehicleTrips	CNW_TL	6.00	6.34
tblVehicleTrips	CNW_TL	6.00	6.74
tblVehicleTrips	CNW_TL	6.00	6.71
tblVehicleTrips	CNW_TL	6.00	8.57
tblVehicleTrips	CW_TL	6.00	4.63
tblVehicleTrips	CW_TL	6.00	6.34
tblVehicleTrips	CW_TL	6.00	6.74
tblVehicleTrips	CW_TL	6.00	6.71
tblVehicleTrips	CW_TL	6.00	8.57
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.90	7.67
tblVehicleTrips	HO_TL	7.90	7.29
tblVehicleTrips	HO_TL	7.90	7.60
tblVehicleTrips	HS_TL	3.00	7.67
tblVehicleTrips	HS_TL	3.00	7.29
tblVehicleTrips	HS_TL	3.00	7.60
tblVehicleTrips	HW_TL	7.30	7.67
tblVehicleTrips	HW_TL	7.30	7.28
tblVehicleTrips	HW_TL	7.30	7.60
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	8.14	6.46
tblVehicleTrips	ST_TR	1.96	124.85
tblVehicleTrips	ST_TR	2.21	1.45
tblVehicleTrips	ST_TR	8.57	6.81
tblVehicleTrips	ST_TR	46.12	78.92
tblVehicleTrips	ST_TR	2.03	2.87
tblVehicleTrips	ST_TR	9.54	6.83
tblVehicleTrips	SU_TR	6.28	4.98
tblVehicleTrips	SU_TR	2.19	139.50
tblVehicleTrips	SU_TR	0.70	0.62
tblVehicleTrips	SU_TR	1.42	1.13
tblVehicleTrips	SU_TR	21.10	36.11
tblVehicleTrips	SU_TR	1.95	2.76
tblVehicleTrips	SU_TR	8.55	6.12
tblVehicleTrips	WD_TR	7.32	5.81
tblVehicleTrips	WD_TR	0.78	49.69
tblVehicleTrips	WD_TR	1.89	1.50
tblVehicleTrips	WD_TR	9.74	6.51
tblVehicleTrips	WD_TR	34.80	27.67
tblVehicleTrips	WD_TR	37.75	64.60
tblVehicleTrips	WD_TR	2.40	3.39
tblVehicleTrips	WD_TR	9.44	6.76
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	23.6158	0.2370	20.5377	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	33.6987	33.6987	0.0321	0.0000	34.5013
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2,967.1167	2,967.1167	0.4800	0.0582	2,996.4563
Mobile	6.6340	6.6060	67.4638	0.1438	21.0080	0.0654	21.0734	5.6148	0.0611	5.6759	0.0000	14,606.5343	14,606.5343	0.7591	0.6121	14,807.9026
Waste						0.0000	0.0000		0.0000	0.0000	708.5287	0.0000	708.5287	44.1698	0.0000	1,812.7724
Water						0.0000	0.0000		0.0000	0.0000	88.6070	177.6388	266.2458	0.3337	0.1962	333.0487
Total	**30.2498**	**6.8431**	**88.0015**	**0.1449**	**21.0080**	**0.1798**	**21.1878**	**5.6148**	**0.1754**	**5.7903**	**797.1357**	**17,784.9886**	**18,582.1243**	**45.7747**	**0.8664**	**19,984.6813**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	23.6158	0.2370	20.5377	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	33.6987	33.6987	0.0321	0.0000	34.5013
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2,136.3241	2,136.3241	0.3456	0.0419	2,157.4485
Mobile	6.6340	6.6060	67.4638	0.1438	21.0080	0.0654	21.0734	5.6148	0.0611	5.6759	0.0000	14,606.5343	14,606.5343	0.7591	0.6121	14,807.9026
Waste						0.0000	0.0000		0.0000	0.0000	177.1322	0.0000	177.1322	11.0424	0.0000	453.1931
Water						0.0000	0.0000		0.0000	0.0000	70.8856	142.1111	212.9966	0.2670	0.1569	266.4390
Total	**30.2498**	**6.8431**	**88.0015**	**0.1449**	**21.0080**	**0.1798**	**21.1878**	**5.6148**	**0.1754**	**5.7903**	**248.0178**	**16,918.6682**	**17,166.6859**	**12.4462**	**0.8109**	**17,719.4845**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**68.89**	**4.87**	**7.62**	**72.81**	**6.41**	**11.33**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.6340	6.6060	67.4638	0.1438	21.0080	0.0654	21.0734	5.6148	0.0611	5.6759	0.0000	14,606.5343	14,606.5343	0.7591	0.6121	14,807.9026
Unmitigated	6.6340	6.6060	67.4638	0.1438	21.0080	0.0654	21.0734	5.6148	0.0611	5.6759	0.0000	14,606.5343	14,606.5343	0.7591	0.6121	14,807.9026

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	941.22	1,046.52	806.76	2,616,143	2,616,143
City Park	397.52	998.80	1116.00	987,694	987,694
Elementary School	750.00	0.00	0.00	1,236,300	1,236,300
General Office Building	1,770.72	394.40	168.64	3,300,344	3,300,344
Medical Office Building	3,763.12	926.16	153.68	6,941,917	6,941,917
Regional Shopping Center	2,519.40	3,077.88	1408.29	7,612,944	7,612,944
Retirement Community	4,695.15	3,974.95	3822.60	11,849,391	11,849,391
Single Family Housing	8,314.80	8,400.90	7527.60	22,724,988	22,724,988
Total	23,151.93	18,819.61	15,003.57	57,269,721	57,269,721

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	7.67	7.67	7.67	35.00	17.00	48.00	100	0	0
City Park	4.63	4.63	4.63	33.00	48.00	19.00	100	0	0
Elementary School	6.34	6.34	6.34	65.00	30.00	5.00	100	0	0
General Office Building	6.74	6.74	6.74	33.00	48.00	19.00	100	0	0
Medical Office Building	6.71	6.71	6.71	29.60	51.40	19.00	100	0	0
Regional Shopping Center	8.57	8.57	8.57	16.30	64.70	19.00	100	0	0
Retirement Community	7.28	7.29	7.29	35.00	17.00	48.00	100	0	0
Single Family Housing	7.60	7.60	7.60	35.00	17.00	48.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
City Park	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Elementary School	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
General Office Building	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Medical Office Building	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Regional Shopping Center	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Retirement Community	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Single Family Housing	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,136.3241	2,136.3241	0.3456	0.0419	2,157.4485
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	2,967.1167	2,967.1167	0.4800	0.0582	2,996.4563
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	869214	80.4230	0.0130	1.5800e-003	81.2182
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	953915	88.2598	0.0143	1.7300e-003	89.1325
General Office Building	7.71664e+006	713.9726	0.1155	0.0140	721.0326
Medical Office Building	3.85832e+006	356.9863	0.0578	7.0000e-003	360.5163
Regional Shopping Center	930540	86.0971	0.0139	1.6900e-003	86.9484
Retirement Community	7.69542e+006	712.0093	0.1152	0.0140	719.0498
Single Family Housing	1.00446e+007	929.3687	0.1504	0.0182	938.5585
Total		**2,967.1167**	**0.4800**	**0.0582**	**2,996.4563**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	625834	57.9046	9.3700e-003	1.1400e-003	58.4771
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	686818	63.5470	0.0103	1.2500e-003	64.1754
General Office Building	5.55598e+006	514.0603	0.0832	0.0101	519.1434
Medical Office Building	2.77799e+006	257.0302	0.0416	5.0400e-003	259.5717
Regional Shopping Center	669989	61.9899	0.0100	1.2200e-003	62.6029
Retirement Community	5.5407e+006	512.6467	0.0829	0.0101	517.7159
Single Family Housing	7.23215e+006	669.1454	0.1083	0.0131	675.7621
Total		**2,136.3241**	**0.3456**	**0.0419**	**2,157.4485**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	tons/yr										MT/yr					
Mitigated	23.6158	0.2370	20.5377	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	33.6987	33.6987	0.0321	0.0000	34.5013
Unmitigated	23.6158	0.2370	20.5377	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	33.6987	33.6987	0.0321	0.0000	34.5013

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.9435					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	21.0575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6148	0.2370	20.5377	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	33.6987	33.6987	0.0321	0.0000	34.5013
Total	**23.6158**	**0.2370**	**20.5377**	**1.0900e-003**		**0.1144**	**0.1144**		**0.1144**	**0.1144**	**0.0000**	**33.6987**	**33.6987**	**0.0321**	**0.0000**	**34.5013**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.9435					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	21.0575					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.6148	0.2370	20.5377	1.0900e-003		0.1144	0.1144		0.1144	0.1144	0.0000	33.6987	33.6987	0.0321	0.0000	34.5013
Total	**23.6158**	**0.2370**	**20.5377**	**1.0900e-003**		**0.1144**	**0.1144**		**0.1144**	**0.1144**	**0.0000**	**33.6987**	**33.6987**	**0.0321**	**0.0000**	**34.5013**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	212.9966	0.2670	0.1569	266.4390
Unmitigated	266.2458	0.3337	0.1962	333.0487

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	10.555 / 6.65421	11.1735	0.0141	8.2700e-003	13.9885
City Park	0 / 9.53185	3.0867	5.0000e-004	6.0000e-005	3.1173
Elementary School	1.21212 / 3.11688	2.0450	1.7400e-003	9.6000e-004	2.3758
General Office Building	48.3436 / 29.6299	50.9022	0.0643	0.0379	63.7925
Medical Office Building	17.0654 / 3.25054	15.6341	0.0223	0.0133	20.1613
Regional Shopping Center	2.88883 / 1.77057	3.0417	3.8400e-003	2.2600e-003	3.8120
Retirement Community	90.2383 / 56.8894	95.5266	0.1202	0.0707	119.5927
Single Family Housing	80.1395 / 50.5227	84.8359	0.1067	0.0628	106.2087
Total		**266.2458**	**0.3337**	**0.1962**	**333.0487**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	8.44396 / 5.32337	8.9388	0.0113	6.6100e-003	11.1908
City Park	0 / 7.62548	2.4694	4.0000e-004	5.0000e-005	2.4938
Elementary School	0.969696 / 2.4935	1.6360	1.3900e-003	7.7000e-004	1.9007
General Office Building	38.6749 / 23.7039	40.7218	0.0515	0.0303	51.0340
Medical Office Building	13.6523 / 2.60043	12.5073	0.0179	0.0107	16.1290
Regional Shopping Center	2.31106 / 1.41646	2.4334	3.0800e-003	1.8100e-003	3.0496
Retirement Community	72.1907 / 45.5115	76.4213	0.0961	0.0565	95.6742
Single Family Housing	64.1116 / 40.4182	67.8687	0.0854	0.0502	84.9670
Total		**212.9966**	**0.2670**	**0.1569**	**266.4390**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	177.1322	11.0424	0.0000	453.1931
Unmitigated	708.5287	44.1698	0.0000	1,812.7724

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	74.52	14.3403	0.8940	0.0000	36.6896
City Park	0.69	0.1328	8.2800e-003	0.0000	0.3397
Elementary School	91.25	17.5597	1.0947	0.0000	44.9265
General Office Building	252.96	48.6784	3.0346	0.0000	124.5438
Medical Office Building	1468.8	282.6487	17.6203	0.0000	723.1573
Regional Shopping Center	40.95	7.8802	0.4913	0.0000	20.1616
Retirement Community	637.1	122.6004	7.6429	0.0000	313.6734
Single Family Housing	1115.64	214.6883	13.3837	0.0000	549.2805
Total		**708.5287**	**44.1697**	**0.0000**	**1,812.7724**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/26/2021 2:54 PM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	18.63	3.5851	0.2235	0.0000	9.1724
City Park	0.1725	0.0332	2.0700e-003	0.0000	0.0849
Elementary School	22.8125	4.3899	0.2737	0.0000	11.2316
General Office Building	63.24	12.1696	0.7587	0.0000	31.1359
Medical Office Building	367.2	70.6622	4.4051	0.0000	180.7893
Regional Shopping Center	10.2375	1.9701	0.1228	0.0000	5.0404
Retirement Community	159.275	30.6501	1.9107	0.0000	78.4184
Single Family Housing	278.91	53.6721	3.3459	0.0000	137.3201
Total		**177.1322**	**11.0424**	**0.0000**	**453.1931**

Operations

Summer Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Valley's Edge Specific Plan Project - Buildout

Butte County AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	272.00	1000sqft	6.24	272,000.00	0
Medical Office Building	136.00	1000sqft	3.12	136,000.00	0
Elementary School	500.00	Student	0.96	41,801.69	0
City Park	8.00	Acre	8.00	348,480.00	0
Apartments Low Rise	162.00	Dwelling Unit	10.13	146,167.00	408
Retirement Community	1,385.00	Dwelling Unit	277.00	2,550,000.00	2138
Single Family Housing	1,230.00	Dwelling Unit	399.35	3,153,800.00	3099
Regional Shopping Center	39.00	1000sqft	0.90	39,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Valley's Edge Specific Plan Project. BCAQMD. Project buildout in 2045.

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use - SF Detached Housing: 1230 DU, MFH Low Rise: 162, Senior Adult Housing: 1385, Shopping: 39 KSF, Office: 272 KSF, Medical: 136 KSF, Elementary School: 500 students, and 7 soccer field. Updated population, 2.52 persons per household, 5,645 residents.

Construction Phase - Modeling operations only.

Off-road Equipment - Modeling operations only.

Trips and VMT - Modeling operations only.

On-road Fugitive Dust - Modeling operations only.

Demolition - Modeling operations only.

Grading - Modeling operations only.

Architectural Coating - Modeling operations only.

Vehicle Trips - Update trip rate and trip length per TRA (Fehr and Peers).

Woodstoves - No natural gas fireplaces assumed.

Consumer Products - Updated using 2012 CARB Almanac emissions data.

Area Coating - Adjusted assuming low-VOC arch coatings of 50 g/L.

Energy Use - Default rates adjusted based on assumption of no natural gas in new buildings.

Water And Wastewater - Default water and wastewater. Assumed 100% aerobic.

Solid Waste - Per County data (B. Mannel 2014) Neal Road Landfill captures at least 90% methane with their geomembrane cover.

Energy Mitigation - Assume energy use offset by 28% accounting for PVs.

Water Mitigation - Reduce water consumption by 20% per CalGreen.

Waste Mitigation - Assume 75% waste diverted consistent with AB 341.

Fleet Mix - Update fleet mix per City of Chico traffic data.

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblConstructionPhase	NumDays	480.00	0.00
tblConsumerProducts	ROG_EF	2.14E-05	1.82E-05
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	NT24NG	1.92	0.00
tblEnergyUse	NT24NG	0.28	0.00
tblEnergyUse	NT24NG	0.28	0.00
tblEnergyUse	NT24NG	2.08	0.00
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	T24E	147.91	1,382.40
tblEnergyUse	T24E	1.92	17.94
tblEnergyUse	T24E	2.34	21.87
tblEnergyUse	T24E	2.34	21.87
tblEnergyUse	T24E	1.91	17.85
tblEnergyUse	T24E	147.91	1,382.40
tblEnergyUse	T24E	209.15	17.94
tblEnergyUse	T24NG	9,924.02	0.00
tblEnergyUse	T24NG	22.96	0.00
tblEnergyUse	T24NG	12.64	0.00
tblEnergyUse	T24NG	12.64	0.00
tblEnergyUse	T24NG	8.53	0.00
tblEnergyUse	T24NG	9,924.02	0.00
tblEnergyUse	T24NG	20,314.55	0.00
tblFireplaces	FireplaceWoodMass	5,158.40	0.00
tblFireplaces	FireplaceWoodMass	5,158.40	0.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFireplaces	FireplaceWoodMass	5,158.40	0.00
tblFireplaces	NumberGas	69.66	0.00
tblFireplaces	NumberGas	595.55	0.00
tblFireplaces	NumberGas	528.90	0.00
tblFireplaces	NumberNoFireplace	29.16	162.00
tblFireplaces	NumberNoFireplace	249.30	1,385.00
tblFireplaces	NumberNoFireplace	221.40	1,230.00
tblFireplaces	NumberWood	63.18	0.00
tblFireplaces	NumberWood	540.15	0.00
tblFireplaces	NumberWood	479.70	0.00
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblGrading	AcresOfGrading	0.00	720.00
tblLandUse	LandUseSquareFeet	162,000.00	146,167.00
tblLandUse	LandUseSquareFeet	1,385,000.00	2,550,000.00
tblLandUse	LandUseSquareFeet	2,214,000.00	3,153,800.00
tblLandUse	Population	463.00	408.00
tblLandUse	Population	3,961.00	2,138.00
tblLandUse	Population	3,518.00	3,099.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblVehicleTrips	CC_TL	6.00	4.63
tblVehicleTrips	CC_TL	6.00	6.34

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	CC_TL	6.00	6.74
tblVehicleTrips	CC_TL	6.00	6.71
tblVehicleTrips	CC_TL	6.00	8.57
tblVehicleTrips	CNW_TL	6.00	4.63
tblVehicleTrips	CNW_TL	6.00	6.34
tblVehicleTrips	CNW_TL	6.00	6.74
tblVehicleTrips	CNW_TL	6.00	6.71
tblVehicleTrips	CNW_TL	6.00	8.57
tblVehicleTrips	CW_TL	6.00	4.63
tblVehicleTrips	CW_TL	6.00	6.34
tblVehicleTrips	CW_TL	6.00	6.74
tblVehicleTrips	CW_TL	6.00	6.71
tblVehicleTrips	CW_TL	6.00	8.57
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.90	7.67
tblVehicleTrips	HO_TL	7.90	7.29
tblVehicleTrips	HO_TL	7.90	7.60
tblVehicleTrips	HS_TL	3.00	7.67

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	HS_TL	3.00	7.29
tblVehicleTrips	HS_TL	3.00	7.60
tblVehicleTrips	HW_TL	7.30	7.67
tblVehicleTrips	HW_TL	7.30	7.28
tblVehicleTrips	HW_TL	7.30	7.60
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	8.14	6.46
tblVehicleTrips	ST_TR	1.96	124.85
tblVehicleTrips	ST_TR	2.21	1.45
tblVehicleTrips	ST_TR	8.57	6.81

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	ST_TR	46.12	78.92
tblVehicleTrips	ST_TR	2.03	2.87
tblVehicleTrips	ST_TR	9.54	6.83
tblVehicleTrips	SU_TR	6.28	4.98
tblVehicleTrips	SU_TR	2.19	139.50
tblVehicleTrips	SU_TR	0.70	0.62
tblVehicleTrips	SU_TR	1.42	1.13
tblVehicleTrips	SU_TR	21.10	36.11
tblVehicleTrips	SU_TR	1.95	2.76
tblVehicleTrips	SU_TR	8.55	6.12
tblVehicleTrips	WD_TR	7.32	5.81
tblVehicleTrips	WD_TR	0.78	49.69
tblVehicleTrips	WD_TR	1.89	1.50
tblVehicleTrips	WD_TR	9.74	6.51
tblVehicleTrips	WD_TR	34.80	27.67
tblVehicleTrips	WD_TR	37.75	64.60
tblVehicleTrips	WD_TR	2.40	3.39
tblVehicleTrips	WD_TR	9.44	6.76
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	132.8641	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709	0.0000	412.7387	412.7387	0.3932	0.0000	422.5687
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	52.5249	37.9546	457.0659	0.9761	137.5143	0.4109	137.9251	36.6276	0.3836	37.0112		109,437.6121	109,437.6121	5.0647	4.0611	110,774.4308
Total	**185.3890**	**40.5884**	**685.2623**	**0.9882**	**137.5143**	**1.6818**	**139.1960**	**36.6276**	**1.6545**	**38.2820**	**0.0000**	**109,850.3508**	**109,850.3508**	**5.4579**	**4.0611**	**111,196.9996**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	132.8641	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709	0.0000	412.7387	412.7387	0.3932	0.0000	422.5687
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	52.5249	37.9546	457.0659	0.9761	137.5143	0.4109	137.9251	36.6276	0.3836	37.0112		109,437.6121	109,437.6121	5.0647	4.0611	110,774.4308
Total	**185.3890**	**40.5884**	**685.2623**	**0.9882**	**137.5143**	**1.6818**	**139.1960**	**36.6276**	**1.6545**	**38.2820**	**0.0000**	**109,850.3508**	**109,850.3508**	**5.4579**	**4.0611**	**111,196.9996**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	52.5249	37.9546	457.0659	0.9761	137.5143	0.4109	137.9251	36.6276	0.3836	37.0112		109,437.6121	109,437.6121	5.0647	4.0611	110,774.4308
Unmitigated	52.5249	37.9546	457.0659	0.9761	137.5143	0.4109	137.9251	36.6276	0.3836	37.0112		109,437.6121	109,437.6121	5.0647	4.0611	110,774.4308

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	941.22	1,046.52	806.76	2,616,143	2,616,143
City Park	397.52	998.80	1116.00	987,694	987,694
Elementary School	750.00	0.00	0.00	1,236,300	1,236,300
General Office Building	1,770.72	394.40	168.64	3,300,344	3,300,344
Medical Office Building	3,763.12	926.16	153.68	6,941,917	6,941,917
Regional Shopping Center	2,519.40	3,077.88	1408.29	7,612,944	7,612,944
Retirement Community	4,695.15	3,974.95	3822.60	11,849,391	11,849,391
Single Family Housing	8,314.80	8,400.90	7527.60	22,724,988	22,724,988
Total	23,151.93	18,819.61	15,003.57	57,269,721	57,269,721

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	7.67	7.67	7.67	35.00	17.00	48.00	100	0	0
City Park	4.63	4.63	4.63	33.00	48.00	19.00	100	0	0
Elementary School	6.34	6.34	6.34	65.00	30.00	5.00	100	0	0
General Office Building	6.74	6.74	6.74	33.00	48.00	19.00	100	0	0
Medical Office Building	6.71	6.71	6.71	29.60	51.40	19.00	100	0	0
Regional Shopping Center	8.57	8.57	8.57	16.30	64.70	19.00	100	0	0
Retirement Community	7.28	7.29	7.29	35.00	17.00	48.00	100	0	0
Single Family Housing	7.60	7.60	7.60	35.00	17.00	48.00	100	0	0

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
City Park	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Elementary School	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
General Office Building	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Medical Office Building	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Regional Shopping Center	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Retirement Community	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Single Family Housing	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	132.8641	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709	0.0000	412.7387	412.7387	0.3932	0.0000	422.5687
Unmitigated	132.8641	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709	0.0000	412.7387	412.7387	0.3932	0.0000	422.5687

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	10.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.3835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.8311	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709		412.7387	412.7387	0.3932		422.5687
Total	**132.8641**	**2.6337**	**228.1965**	**0.0121**		**1.2709**	**1.2709**		**1.2709**	**1.2709**	**0.0000**	**412.7387**	**412.7387**	**0.3932**	**0.0000**	**422.5687**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	10.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.3835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.8311	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709		412.7387	412.7387	0.3932		422.5687
Total	**132.8641**	**2.6337**	**228.1965**	**0.0121**		**1.2709**	**1.2709**		**1.2709**	**1.2709**	**0.0000**	**412.7387**	**412.7387**	**0.3932**	**0.0000**	**422.5687**

Operations

Winter Emissions

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Valley's Edge Specific Plan Project - Buildout

Butte County AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	272.00	1000sqft	6.24	272,000.00	0
Medical Office Building	136.00	1000sqft	3.12	136,000.00	0
Elementary School	500.00	Student	0.96	41,801.69	0
City Park	8.00	Acre	8.00	348,480.00	0
Apartments Low Rise	162.00	Dwelling Unit	10.13	146,167.00	408
Retirement Community	1,385.00	Dwelling Unit	277.00	2,550,000.00	2138
Single Family Housing	1,230.00	Dwelling Unit	399.35	3,153,800.00	3099
Regional Shopping Center	39.00	1000sqft	0.90	39,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	71
Climate Zone	3			**Operational Year**	2045
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Valley's Edge Specific Plan Project. BCAQMD. Project buildout in 2045.

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Land Use - SF Detached Housing: 1230 DU, MFH Low Rise: 162, Senior Adult Housing: 1385, Shopping: 39 KSF, Office: 272 KSF, Medical: 136 KSF, Elementary School: 500 students, and 7 soccer field. Updated population, 2.52 persons per household, 5,645 residents.

Construction Phase - Modeling operations only.

Off-road Equipment - Modeling operations only.

Trips and VMT - Modeling operations only.

On-road Fugitive Dust - Modeling operations only.

Demolition - Modeling operations only.

Grading - Modeling operations only.

Architectural Coating - Modeling operations only.

Vehicle Trips - Update trip rate and trip length per TRA (Fehr and Peers).

Woodstoves - No natural gas fireplaces assumed.

Consumer Products - Updated using 2012 CARB Almanac emissions data.

Area Coating - Adjusted assuming low-VOC arch coatings of 50 g/L.

Energy Use - Default rates adjusted based on assumption of no natural gas in new buildings.

Water And Wastewater - Default water and wastewater. Assumed 100% aerobic.

Solid Waste - Per County data (B. Mannel 2014) Neal Road Landfill captures at least 90% methane with their geomembrane cover.

Energy Mitigation - Assume energy use offset by 28% accounting for PVs.

Water Mitigation - Reduce water consumption by 20% per CalGreen.

Waste Mitigation - Assume 75% waste diverted consistent with AB 341.

Fleet Mix - Update fleet mix per City of Chico traffic data.

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	50
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	50
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblConstructionPhase	NumDays	480.00	0.00
tblConsumerProducts	ROG_EF	2.14E-05	1.82E-05
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	NT24NG	1.92	0.00
tblEnergyUse	NT24NG	0.28	0.00
tblEnergyUse	NT24NG	0.28	0.00
tblEnergyUse	NT24NG	2.08	0.00
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	NT24NG	3,723.00	0.00
tblEnergyUse	T24E	147.91	1,382.40
tblEnergyUse	T24E	1.92	17.94
tblEnergyUse	T24E	2.34	21.87
tblEnergyUse	T24E	2.34	21.87
tblEnergyUse	T24E	1.91	17.85
tblEnergyUse	T24E	147.91	1,382.40
tblEnergyUse	T24E	209.15	17.94
tblEnergyUse	T24NG	9,924.02	0.00
tblEnergyUse	T24NG	22.96	0.00
tblEnergyUse	T24NG	12.64	0.00
tblEnergyUse	T24NG	12.64	0.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblEnergyUse	T24NG	8.53	0.00
tblEnergyUse	T24NG	9,924.02	0.00
tblEnergyUse	T24NG	20,314.55	0.00
tblFireplaces	FireplaceWoodMass	5,158.40	0.00
tblFireplaces	FireplaceWoodMass	5,158.40	0.00
tblFireplaces	FireplaceWoodMass	5,158.40	0.00
tblFireplaces	NumberGas	69.66	0.00
tblFireplaces	NumberGas	595.55	0.00
tblFireplaces	NumberGas	528.90	0.00
tblFireplaces	NumberNoFireplace	29.16	162.00
tblFireplaces	NumberNoFireplace	249.30	1,385.00
tblFireplaces	NumberNoFireplace	221.40	1,230.00
tblFireplaces	NumberWood	63.18	0.00
tblFireplaces	NumberWood	540.15	0.00
tblFireplaces	NumberWood	479.70	0.00
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	HHD	0.02	1.2000e-003
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDA	0.59	0.60
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	LDT2	0.17	0.17
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblFleetMix	MHD	0.01	0.01
tblGrading	AcresOfGrading	0.00	720.00
tblLandUse	LandUseSquareFeet	162,000.00	146,167.00
tblLandUse	LandUseSquareFeet	1,385,000.00	2,550,000.00
tblLandUse	LandUseSquareFeet	2,214,000.00	3,153,800.00
tblLandUse	Population	463.00	408.00
tblLandUse	Population	3,961.00	2,138.00
tblLandUse	Population	3,518.00	3,099.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasEnergyRecovery	0.00	90.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblSolidWaste	LandfillCaptureGasFlare	94.00	4.00
tblVehicleTrips	CC_TL	6.00	4.63
tblVehicleTrips	CC_TL	6.00	6.34
tblVehicleTrips	CC_TL	6.00	6.74
tblVehicleTrips	CC_TL	6.00	6.71
tblVehicleTrips	CC_TL	6.00	8.57
tblVehicleTrips	CNW_TL	6.00	4.63
tblVehicleTrips	CNW_TL	6.00	6.34
tblVehicleTrips	CNW_TL	6.00	6.74
tblVehicleTrips	CNW_TL	6.00	6.71
tblVehicleTrips	CNW_TL	6.00	8.57
tblVehicleTrips	CW_TL	6.00	4.63
tblVehicleTrips	CW_TL	6.00	6.34
tblVehicleTrips	CW_TL	6.00	6.74
tblVehicleTrips	CW_TL	6.00	6.71
tblVehicleTrips	CW_TL	6.00	8.57
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	DV_TP	25.00	0.00
tblVehicleTrips	DV_TP	19.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	11.00	0.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	7.90	7.67
tblVehicleTrips	HO_TL	7.90	7.29
tblVehicleTrips	HO_TL	7.90	7.60
tblVehicleTrips	HS_TL	3.00	7.67
tblVehicleTrips	HS_TL	3.00	7.29
tblVehicleTrips	HS_TL	3.00	7.60
tblVehicleTrips	HW_TL	7.30	7.67
tblVehicleTrips	HW_TL	7.30	7.28
tblVehicleTrips	HW_TL	7.30	7.60
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PB_TP	12.00	0.00
tblVehicleTrips	PB_TP	4.00	0.00
tblVehicleTrips	PB_TP	10.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	PR_TP	63.00	100.00
tblVehicleTrips	PR_TP	77.00	100.00
tblVehicleTrips	PR_TP	60.00	100.00
tblVehicleTrips	PR_TP	54.00	100.00
tblVehicleTrips	PR_TP	86.00	100.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	8.14	6.46
tblVehicleTrips	ST_TR	1.96	124.85
tblVehicleTrips	ST_TR	2.21	1.45
tblVehicleTrips	ST_TR	8.57	6.81
tblVehicleTrips	ST_TR	46.12	78.92
tblVehicleTrips	ST_TR	2.03	2.87
tblVehicleTrips	ST_TR	9.54	6.83
tblVehicleTrips	SU_TR	6.28	4.98
tblVehicleTrips	SU_TR	2.19	139.50
tblVehicleTrips	SU_TR	0.70	0.62
tblVehicleTrips	SU_TR	1.42	1.13
tblVehicleTrips	SU_TR	21.10	36.11
tblVehicleTrips	SU_TR	1.95	2.76
tblVehicleTrips	SU_TR	8.55	6.12
tblVehicleTrips	WD_TR	7.32	5.81
tblVehicleTrips	WD_TR	0.78	49.69
tblVehicleTrips	WD_TR	1.89	1.50
tblVehicleTrips	WD_TR	9.74	6.51
tblVehicleTrips	WD_TR	34.80	27.67
tblVehicleTrips	WD_TR	37.75	64.60
tblVehicleTrips	WD_TR	2.40	3.39
tblVehicleTrips	WD_TR	9.44	6.76
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AerobicPercent	87.46	100.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	AnaerobicandFacultativeLagoonsPercent	2.21	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWater	SepticTankPercent	10.33	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00
tblWoodstoves	WoodstoveDayYear	150.00	0.00

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	132.8641	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709	0.0000	412.7387	412.7387	0.3932	0.0000	422.5687
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	39.3088	44.7692	451.3254	0.8823	137.5143	0.4110	137.9252	36.6276	0.3837	37.0112		98,754.7344	98,754.7344	5.5937	4.4708	100,226.8811
Total	**172.1729**	**47.4029**	**679.5218**	**0.8944**	**137.5143**	**1.6818**	**139.1961**	**36.6276**	**1.6546**	**38.2821**	**0.0000**	**99,167.4731**	**99,167.4731**	**5.9869**	**4.4708**	**100,649.4498**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	132.8641	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709	0.0000	412.7387	412.7387	0.3932	0.0000	422.5687
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	39.3088	44.7692	451.3254	0.8823	137.5143	0.4110	137.9252	36.6276	0.3837	37.0112		98,754.7344	98,754.7344	5.5937	4.4708	100,226.8811
Total	**172.1729**	**47.4029**	**679.5218**	**0.8944**	**137.5143**	**1.6818**	**139.1961**	**36.6276**	**1.6546**	**38.2821**	**0.0000**	**99,167.4731**	**99,167.4731**	**5.9869**	**4.4708**	**100,649.4498**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	39.3088	44.7692	451.3254	0.8823	137.5143	0.4110	137.9252	36.6276	0.3837	37.0112		98,754.7344	98,754.7344	5.5937	4.4708	100,226.8811
Unmitigated	39.3088	44.7692	451.3254	0.8823	137.5143	0.4110	137.9252	36.6276	0.3837	37.0112		98,754.7344	98,754.7344	5.5937	4.4708	100,226.8811

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	941.22	1,046.52	806.76	2,616,143	2,616,143
City Park	397.52	998.80	1116.00	987,694	987,694
Elementary School	750.00	0.00	0.00	1,236,300	1,236,300
General Office Building	1,770.72	394.40	168.64	3,300,344	3,300,344
Medical Office Building	3,763.12	926.16	153.68	6,941,917	6,941,917
Regional Shopping Center	2,519.40	3,077.88	1408.29	7,612,944	7,612,944
Retirement Community	4,695.15	3,974.95	3822.60	11,849,391	11,849,391
Single Family Housing	8,314.80	8,400.90	7527.60	22,724,988	22,724,988
Total	23,151.93	18,819.61	15,003.57	57,269,721	57,269,721

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	7.67	7.67	7.67	35.00	17.00	48.00	100	0	0
City Park	4.63	4.63	4.63	33.00	48.00	19.00	100	0	0
Elementary School	6.34	6.34	6.34	65.00	30.00	5.00	100	0	0
General Office Building	6.74	6.74	6.74	33.00	48.00	19.00	100	0	0
Medical Office Building	6.71	6.71	6.71	29.60	51.40	19.00	100	0	0
Regional Shopping Center	8.57	8.57	8.57	16.30	64.70	19.00	100	0	0
Retirement Community	7.28	7.29	7.29	35.00	17.00	48.00	100	0	0
Single Family Housing	7.60	7.60	7.60	35.00	17.00	48.00	100	0	0

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
City Park	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Elementary School	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
General Office Building	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Medical Office Building	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Regional Shopping Center	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Retirement Community	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108
Single Family Housing	0.595494	0.055578	0.170571	0.110317	0.017990	0.005255	0.014564	0.001200	0.000500	0.000369	0.025107	0.000949	0.002108

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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					
Apartments Low Rise	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Medical Office Building	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Retirement Community	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	132.8641	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709	0.0000	412.7387	412.7387	0.3932	0.0000	422.5687
Unmitigated	132.8641	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709	0.0000	412.7387	412.7387	0.3932	0.0000	422.5687

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	10.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.3835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.8311	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709		412.7387	412.7387	0.3932		422.5687
Total	**132.8641**	**2.6337**	**228.1965**	**0.0121**		**1.2709**	**1.2709**		**1.2709**	**1.2709**	**0.0000**	**412.7387**	**412.7387**	**0.3932**	**0.0000**	**422.5687**

CalEEMod Version: CalEEMod.2020.4.0

Date: 10/13/2021 10:12 AM

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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	10.6494					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	115.3835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.8311	2.6337	228.1965	0.0121		1.2709	1.2709		1.2709	1.2709		412.7387	412.7387	0.3932		422.5687
Total	**132.8641**	**2.6337**	**228.1965**	**0.0121**		**1.2709**	**1.2709**		**1.2709**	**1.2709**	**0.0000**	**412.7387**	**412.7387**	**0.3932**	**0.0000**	**422.5687**