

Appendix D

Air Quality/GHG/Energy Modeling Data

CalEEMod Inputs (Construction Run)

Name: Capitol Annex EIR
Project Number: 18010059.01
Project Location: Sacramento
County/Air Basin: Sacramento
Climate Zone: 6
Land Use Setting: Urban
Operational Year: 2026
Utility Company: Sacramento Municipal Utility District
Air Basin: Sacramento Valley Air Basin
Air District: SMAQMD

Project Site Acreage	
Disturbed Site Acreage	4.82

Land Use	SQFT	Acres	
Capitol Annex*	556,000	2.07	
Visitors Center	40,000	0.92	
Underground Parking	80,000	1.84	200 parking spaces
	676,000	4.82	

CalEEMod Land Use Inputs -- Construction

Land Use	Land Use Type	Land Use Subtype	Unit Amount	Size Metric	Lot Acreage	Square Feet
Capitol Annex*	Commercial	Government Office Building	556.0	1000 Sq. Feet	2.07	556,000
Visitors Center	Commercial	Government (Civic Center)	40.0	1000 Sq. Feet	0.92	40,000
Underground Parking	Commercial	Enclosed Parking with Elevator	80.0	1000 Sq. Feet	1.84	80,000
					4.82	

* Capitol Annex acreage based on 90,000 sqft of disturbed area

Haul Trip Calculation

Total Haul Trips	15,000
Total Waste Volume	300,000 CY

Component

	325,000	Demo sf
	3,250,000	Demo cf
Annex	812,500	cf waste volume
	270,833	cy waste volume
	13,542	haul trips
	729	haul trips
Visitor Center	14,583	cy waste volume
	7,292	cy waste volume
	729	haul trips
Underground Parking	14,583	cy waste volume
	7,292	tons waste

Construction Phasing

<u>Component</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Work Days</u>
Visitor Center	1/1/2020	12/31/2021	523
Annex Demo	1/1/2022	12/1/2022	239
Annex Construction	12/2/2022	12/31/2025	804
Underground Parking	1/1/2024	9/30/2025	457

Annex

<u>Phase</u>	<u>CalEEMod Default</u>	<u>Adjusted Days</u>
Site Prep	10	21
Grading	30	63
Building	300	635
Paving	20	42
Arch Coating	20	42

Visitor Center

<u>Phase</u>	<u>CalEEMod Default</u>	<u>Adjusted Days</u>
Demo	10	43
Site Prep	1	4
Grading	2	9
Building	100	425
Paving	5	21
Arch Coating	5	21

Underground Parking

<u>Phase</u>	<u>CalEEMod Default</u>	<u>Adjusted Days</u>
Demo	20	37
Site Prep	2	4
Grading	4	7
Building	200	372
Paving	10	19
Arch Coating	10	19

Construction-Related Fuel Consumption

Total Gasoline Gallons 102,367
Total Diesel Gallons 601,910

Construction Offroad Equipment - Annex

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Saws	1	8	81	0.73	239	0.6	3,392
Demolition	Excavators	2	8	158	0.38	239	0.6	6,888
Demolition	Rubber Tired Dozers	1	8	247	0.4	239	0.6	5,667
Demolition	Tractors/Loaders/Backhoes	3	8	97	0.37	239	0.6	6,176
Demolition	Off-Highway Trucks	3	8	402	0.38	239	0.6	26,287
Site Preparation	Rubber Tired Dozers	1	8	247	0.4	21	0.6	498
Site Preparation	Tractors/Loaders/Backhoes	1	8	97	0.37	21	0.6	181
Site Preparation	Graders	1	8	187	0.41	21	0.6	386
Architectural Coaling	Air Compressors	3	6.00	78	0.48	42	0.6	849
Grading	Excavators	2	8.00	158	0.38	63	0.6	1,816
Grading	Scrapers	2	8.00	367	0.48	63	0.6	5,327
Grading	Graders	1	8.00	187	0.41	63	0.6	1,159
Building Construction	Off-Highway Trucks	3	8.00	402	0.38	635	0.6	69,842
Building Construction	Cranes	1	7.00	231	0.29	635	0.6	8,933
Building Construction	Forklifts	3	8.00	89	0.20	635	0.6	8,138
Building Construction	Generator Sets	2	8.00	84	0.74	635	0.6	18,946
Paving	Cement and Mortar Mixes	1	8.00	9	0.56	42	0.6	
Paving	Pavers	1	8.00	130	0.42	42	0.6	550
Paving	Rollers	1	8.00	80	0.38	42	0.6	306
Grading	Rubber Tired Dozers	1	6.00	247	0.40	63	0.6	1,120
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	635	0.6	14,358
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37	63	0.6	475
Paving	Paving Equipment	1	8.00	132	0.36	42	0.6	479
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37	42	0.6	362
Building Construction	Off-Highway Trucks	3	8.00	402	0.38	635	0.6	69,842
Building Construction	Welders	3	8.00	46	0.45	635	0.6	9,464
TOTAL								261,442

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	300	0	239	71,700	0	13,542	10.00	6.50	20.00	717,000	0	270,840	0.6	15,890	31,221
Site Preparation	18	0	21	378	0	0	10.00	6.50	20.00	3,780	0	0	0.6	84	0
Architectural Coaling	36	0	42	1,512	0	0	10.00	6.50	20.00	15,120	0.00	0	0.6	335	0
Building Construction	300	91	635	190,500	57,785	0	10.00	6.50	20.00	1,905,000	375,603	0	0.6	42,219	43,298
Grading	20	0	63	1,260	0	0	10.00	6.50	20.00	12,600	0.00	0	0.6	279	0
Paving	15	0	42	630	0	0	10.00	6.50	20.00	6,300	0.00	0	0.6	140	0
TOTAL														58,947	74,520

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Construction Offroad Equipment - Underground Parking

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Saws	1	8	81	0.73	37	0.6	525
Demolition	Rubber Tired Dozers	1	8	247	0.4	37	0.6	877
Demolition	Tractors/Loaders/Backhoes	3	8	97	0.37	37	0.6	956
Site Preparation	Rubber Tired Dozers	1	7	247	0.4	4	0.6	83
Site Preparation	Tractors/Loaders/Backhoes	1	8	97	0.37	4	0.6	34
Site Preparation	Graders	1	8	187	0.41	4	0.6	74
Architectural Coating	Air Compressors	1	6.00	78	0.48	19	0.6	128
Grading	Graders	1	6.00	187	0.41	7	0.6	97
Building Construction	Off-Highway Trucks	3	8.00	372	0.38	635	0.6	64,630
Building Construction	Cranes	1	6.00	372	0.29	635	0.6	12,331
Building Construction	Forklifts	1	6.00	372	0.20	635	0.6	8,504
Building Construction	Generator Sets	1	8.00	372	0.74	635	0.6	41,953
Paving	Cement and Mortar Mixes	1	6.00	9	0.56	19	0.6	17
Paving	Pavers	1	6.00	130	0.42	19	0.6	187
Paving	Rollers	1	7.00	80	0.38	19	0.6	121
Grading	Rubber Tired Dozers	1	6.00	247	0.40	7	0.6	124
Building Construction	Tractors/Loaders/Backhoes	1	6.00	372	0.37	635	0.6	15,732
Paving	Paving Equipment	1	8.00	132	0.36	19	0.6	217
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37	19	0.6	164
Building Construction	Welders	3	8.00	372	0.45	635	0.6	76,535
TOTAL								223,289

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	13	0	37	481	0	729	10.00	6.50	20.00	4,810	0	14,580	0.6	107	1,681
Site Preparation	8	0	4	32	0	0	10.00	6.50	20.00	320	0	0	0.6	7	0
Architectural Coating	7	0	19	133	0	0	10.00	6.50	20.00	1,330	0.00	0	0.6	29	0
Building Construction	34	13	372	12,648	4,836	0	10.00	6.50	20.00	126,480	31,434	0	0.6	2,803	3,624
Grading	8	0	7	56	0	0	10.00	6.50	20.00	560	0.00	0	0.6	12	0
Paving	13	0	19	247	0	0	10.00	6.50	20.00	2,470	0.00	0	0.6	40,123	0
TOTAL														43,081	5,304

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Construction Offroad Equipment - Visitor Center

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Average Daily Factor	Diesel Fuel Usage
Demolition	Concrete/Industrial Saws	1	8	81	0.73	10	0.6	142
Demolition	Rubber Tired Dozers	1	1	247	0.4	10	0.6	30
Demolition	Tractors/Loaders/Backhoes	2	6	97	0.37	10	0.6	129
Site Preparation	Tractors/Loaders/Backhoes	1	8	97	0.37	1	0.6	9
Site Preparation	Graders	1	8	187	0.41	1	0.6	18
Architectural Coating	Air Compressors	1	6.00	78	0.48	5	0.6	34
Building Construction	Off-Highway Trucks	3	8.00	372	0.38	100	0.6	10,178
Building Construction	Cranes	1	6.00	372	0.29	100	0.6	1,942
Building Construction	Forklifts	1	6.00	372	0.20	100	0.6	1,339
Building Construction	Generator Sets	1	8.00	372	0.74	100	0.6	6,607
Paving	Cement and Mortar Mixes	4	6.00	9	0.56	5	0.6	18
Paving	Pavers	1	7.00	130	0.42	5	0.6	57
Paving	Rollers	1	7.00	80	0.38	5	0.6	32
Grading	Rubber Tired Dozers	1	1.00	247	0.40	2	0.6	6
Grading	Concrete/Industrial Saws	1	8.00	81	0.73	2	0.6	28
Grading	Tractors/Loaders/Backhoes	2	6.00	89	0.20	2	0.6	13
Building Construction	Tractors/Loaders/Backhoes	1	6.00	372	0.37	100	0.6	2,478
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37	5	0.6	38
Building Construction	Welders	3	8.00	372	0.45	100	0.6	12,053
TOTAL								35,150

Notes: Equipment assumptions are consistent with CalEEMod. Fuel usage average of 0.05 gallons of diesel fuel per horsepower-hour is from the SCAQMD CEQA Air Quality Handbook, Table A9-3E.

Trips and VMT

Phase Name	Daily Worker Trip	Daily Vendor Trip	Days per Year	Total Worker Trips	Total Vendor Trips	Total Haul Trips	Worker Trip Length (miles)	Vendor Trip Length (miles)	Haul Trip Length (miles)	Total Worker Trip Length (miles)	Total Vendor Trip Length (miles)	Total Haul Trip Length (miles)	Average Daily Factor (worker and vendor)	Total gallons of gasoline	Total gallons of diesel
Demolition	10	0	10	100	0	729	10.00	6.50	20.00	1,000	0	14,580	0.6	22	1,681
Site Preparation	5	0	1	5	0	0	10.00	6.50	20.00	50	0	0	0.6	1	0
Architectural Coating	3	0	5	15	0	0	10.00	6.50	20.00	150	0.00	0	0.6	3	0
Building Construction	13	7	100	1,300	700	0	10.00	6.50	20.00	13,000	4,550	0	0.6	288	525
Grading	10	0	2	20	0	0	10.00	6.50	20.00	200	0.00	0	0.6	4	0
Paving	18	0	5	90	0	0	10.00	6.50	20.00	900	0.00	0	0.6	20	0
TOTAL														339	2,205

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

EMFAC2017 (v1.0.2) Emissions Inventory

Region Type: County

Region: SACRAMENTO

Calendar Year: 2020

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	MdYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1000 gallons/day	Diesel gas 1000 gallons/day	Miles per gallon	Gasoline miles per	Diesel miles per
Sacramento	2020	LDA	Aggregated	Aggregated	GAS	562308.4	20379238	2622438	684.8957	0.00	29.76	27.07	5.20
Sacramento	2020	LDT1	Aggregated	Aggregated	GAS	62565.85	2093110	283205.1	81.82021	0.00	25.58		
Sacramento	2020	LDT2	Aggregated	Aggregated	GAS	200449	7002680	925793.4	301.8262	0.00	23.20		
Sacramento	2020	T7 tractor	Aggregated	Aggregated	DSL	245.8322	17275.96	1111.398	0.00	3.319187	5.20		

Notes: Consistent with CalEEMod, worker vehicles assumed to be gasoline and 50% LDA, 25% LDT1, and 25% LDT2. Vendor trips are assumed to be 100% diesel Heavy-Duty Trucks (T7).

Annex Construction - Sacramento County, Annual

Annex Construction

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	556.00	1000sqft	12.76	556,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	529.47	CH4 Intensity (lb/MWhr)	0.022	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Annex Construction - Sacramento County, Annual

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use -

Construction Phase - Construction schedule adjusted proportionally based on default values to match schedule provided in project description

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Trips and VMT - See appendix detail for haul trip calculation. 300 workers assumed during peak construction periods (assumed to be demo and building)

Demolition -

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	278000	0

Annex Construction - Sacramento County, Annual

tblAreaCoating	Area_Nonresidential_Interior	834000	0
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	300.00	635.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	30.00	63.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	10.00	21.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24NG	12.42	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.57	0.56
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.02
tblFleetMix	LHD2	4.7320e-003	5.0920e-003
tblFleetMix	MCY	5.6540e-003	5.8190e-003
tblFleetMix	MDV	0.11	0.12
tblFleetMix	MH	7.1000e-004	8.1700e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	1.9340e-003	2.0090e-003
tblFleetMix	SBUS	6.1700e-004	6.1800e-004
tblFleetMix	UBUS	1.7390e-003	1.9690e-003
tblGrading	AcresOfGrading	157.50	75.00
tblGrading	AcresOfGrading	10.50	0.00

Annex Construction - Sacramento County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblSolidWaste	SolidWasteGenerationRate	517.08	0.00
tblTripsAndVMT	HaulingTripNumber	1,478.00	13,542.00
tblTripsAndVMT	WorkerTripNumber	25.00	300.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblTripsAndVMT	WorkerTripNumber	178.00	300.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblVehicleTrips	WD_TR	68.93	0.00
tblWater	IndoorWaterUseRate	110,454,785.34	0.00
tblWater	OutdoorWaterUseRate	67,698,094.24	0.00

2.0 Emissions Summary

Annex Construction - Sacramento County, Annual

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	0.6164	5.7254	4.9589	0.0167	0.6486	0.1871	0.8358	0.1660	0.1738	0.3398	0.0000	1,517.381 7	1,517.381 7	0.2736	0.0000	1,524.221 6
2023	0.5960	4.8485	4.9216	0.0136	0.5035	0.1756	0.6791	0.1827	0.1649	0.3475	0.0000	1,208.014 9	1,208.014 9	0.2390	0.0000	1,213.990 9
2024	0.6254	4.7890	5.3370	0.0155	0.3583	0.1576	0.5159	0.0969	0.1488	0.2457	0.0000	1,374.437 8	1,374.437 8	0.2460	0.0000	1,380.586 9
2025	3.0008	3.1732	3.8509	0.0109	0.2486	0.1003	0.3488	0.0672	0.0948	0.1620	0.0000	965.8216	965.8216	0.1738	0.0000	970.1677
Maximum	3.0008	5.7254	5.3370	0.0167	0.6486	0.1871	0.8358	0.1827	0.1738	0.3475	0.0000	1,517.381 7	1,517.381 7	0.2736	0.0000	1,524.221 6

Annex Construction - Sacramento County, Annual

2.1 Overall Construction**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.6164	5.7254	4.9589	0.0167	0.6486	0.1871	0.8358	0.1660	0.1738	0.3398	0.0000	1,517.3808	1,517.3808	0.2736	0.0000	1,524.2206
2023	0.5960	4.8485	4.9216	0.0136	0.5035	0.1756	0.6791	0.1827	0.1649	0.3475	0.0000	1,208.0139	1,208.0139	0.2390	0.0000	1,213.9899
2024	0.6254	4.7890	5.3370	0.0155	0.3583	0.1576	0.5159	0.0969	0.1488	0.2457	0.0000	1,374.4367	1,374.4367	0.2460	0.0000	1,380.5859
2025	3.0008	3.1732	3.8509	0.0109	0.2486	0.1003	0.3488	0.0672	0.0948	0.1620	0.0000	965.8208	965.8208	0.1738	0.0000	970.1670
Maximum	3.0008	5.7254	5.3370	0.0167	0.6486	0.1871	0.8358	0.1827	0.1738	0.3475	0.0000	1,517.3808	1,517.3808	0.2736	0.0000	1,524.2206

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	1.6634	1.6634
2	4-1-2022	6-30-2022	1.6645	1.6645
3	7-1-2022	9-30-2022	1.6828	1.6828
4	10-1-2022	12-31-2022	1.3391	1.3391
5	1-1-2023	3-31-2023	1.1708	1.1708
6	4-1-2023	6-30-2023	1.4192	1.4192
7	7-1-2023	9-30-2023	1.4348	1.4348
8	10-1-2023	12-31-2023	1.4389	1.4389

Annex Construction - Sacramento County, Annual

9	1-1-2024	3-31-2024	1.3466	1.3466
10	4-1-2024	6-30-2024	1.3428	1.3428
11	7-1-2024	9-30-2024	1.3576	1.3576
12	10-1-2024	12-31-2024	1.3614	1.3614
13	1-1-2025	3-31-2025	1.2339	1.2339
14	4-1-2025	6-30-2025	1.2441	1.2441
15	7-1-2025	9-30-2025	0.9534	0.9534
		Highest	1.6828	1.6828

2.2 Overall Operational

Unmitigated Operational

[illegible]

Annex Construction - Sacramento County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						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	0.0000	0.0000

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

3.0 Construction Detail**Construction Phase**

Annex Construction - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	12/1/2022	5	239	
2	Site Preparation	Site Preparation	12/2/2022	12/30/2022	5	21	
3	Grading	Grading	12/31/2022	3/29/2023	5	63	
4	Building Construction	Building Construction	3/30/2023	9/3/2025	5	635	
5	Paving	Paving	9/4/2025	10/31/2025	5	42	
6	Architectural Coating	Architectural Coating	11/1/2025	12/30/2025	5	42	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 834,000; Non-Residential Outdoor: 278,000; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Annex Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Off-Highway Trucks	3	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Off-Highway Trucks	3	8.00	402	0.38
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	3	6.00	78	0.48

Trips and VMT

Annex Construction - Sacramento County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	300.00	0.00	13,542.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	300.00	91.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	36.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					0.1668	0.0000	0.1668	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4396	3.8499	3.6504	8.8500e-003		0.1730	0.1730		0.1606	0.1606	0.0000	776.2491	776.2491	0.2338	0.0000	782.0936
Total	0.4396	3.8499	3.6504	8.8500e-003	0.1668	0.1730	0.3398	0.0253	0.1606	0.1858	0.0000	776.2491	776.2491	0.2338	0.0000	782.0936

Annex Construction - Sacramento County, Annual

3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0452	1.6370	0.3911	5.2000e-003	0.1142	5.2600e-003	0.1194	0.0313	5.0300e-003	0.0364	0.0000	505.8573	505.8573	0.0290	0.0000	506.5828
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1160	0.0729	0.8338	2.4000e-003	0.2633	1.7900e-003	0.2651	0.0700	1.6500e-003	0.0717	0.0000	217.2740	217.2740	5.3200e-003	0.0000	217.4069
Total	0.1612	1.7100	1.2249	7.6000e-003	0.3775	7.0500e-003	0.3845	0.1014	6.6800e-003	0.1081	0.0000	723.1313	723.1313	0.0343	0.0000	723.9897

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1668	0.0000	0.1668	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.4396	3.8499	3.6504	8.8500e-003		0.1730	0.1730		0.1606	0.1606	0.0000	776.2482	776.2482	0.2338	0.0000	782.0927
Total	0.4396	3.8499	3.6504	8.8500e-003	0.1668	0.1730	0.3398	0.0253	0.1606	0.1858	0.0000	776.2482	776.2482	0.2338	0.0000	782.0927

Annex Construction - Sacramento County, Annual

3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0452	1.6370	0.3911	5.2000e-003	0.1142	5.2600e-003	0.1194	0.0313	5.0300e-003	0.0364	0.0000	505.8573	505.8573	0.0290	0.0000	506.5828
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1160	0.0729	0.8338	2.4000e-003	0.2633	1.7900e-003	0.2651	0.0700	1.6500e-003	0.0717	0.0000	217.2740	217.2740	5.3200e-003	0.0000	217.4069
Total	0.1612	1.7100	1.2249	7.6000e-003	0.3775	7.0500e-003	0.3845	0.1014	6.6800e-003	0.1081	0.0000	723.1313	723.1313	0.0343	0.0000	723.9897

3.3 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					0.0632	0.0000	0.0632	0.0348	0.0000	0.0348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1651	0.0792	1.9000e-004		7.0800e-003	7.0800e-003		6.5200e-003	6.5200e-003	0.0000	16.8558	16.8558	5.4500e-003	0.0000	16.9921
Total	0.0149	0.1651	0.0792	1.9000e-004	0.0632	7.0800e-003	0.0703	0.0348	6.5200e-003	0.0413	0.0000	16.8558	16.8558	5.4500e-003	0.0000	16.9921

Annex Construction - Sacramento County, Annual

3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	3.8000e-004	4.4000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1455	1.1455	3.0000e-005	0.0000	1.1462
Total	6.1000e-004	3.8000e-004	4.4000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1455	1.1455	3.0000e-005	0.0000	1.1462

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0632	0.0000	0.0632	0.0348	0.0000	0.0348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0149	0.1651	0.0792	1.9000e-004		7.0800e-003	7.0800e-003		6.5200e-003	6.5200e-003	0.0000	16.8558	16.8558	5.4500e-003	0.0000	16.9920
Total	0.0149	0.1651	0.0792	1.9000e-004	0.0632	7.0800e-003	0.0703	0.0348	6.5200e-003	0.0413	0.0000	16.8558	16.8558	5.4500e-003	0.0000	16.9920

Annex Construction - Sacramento County, Annual

3.3 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.1000e-004	3.8000e-004	4.4000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1455	1.1455	3.0000e-005	0.0000	1.1462
Total	6.1000e-004	3.8000e-004	4.4000e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.1455	1.1455	3.0000e-005	0.0000	1.1462

3.4 Grading - 2022

Unmitigated Construction On-Site

[illegible]

Annex Construction - Sacramento County, Annual

3.4 Grading - 2022

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Construction - Sacramento County, Annual

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

3.4 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					0.2295	0.0000	0.2295	0.1086	0.0000	0.1086	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0999	1.0389	0.8133	1.8600e-003		0.0425	0.0425		0.0391	0.0391	0.0000	163.1680	163.1680	0.0528	0.0000	164.4873
Total	0.0999	1.0389	0.8133	1.8600e-003	0.2295	0.0425	0.2719	0.1086	0.0391	0.1477	0.0000	163.1680	163.1680	0.0528	0.0000	164.4873

Annex Construction - Sacramento County, Annual

3.4 Grading - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.9100e-003	1.1500e-003	0.0135	4.0000e-005	4.6300e-003	3.0000e-005	4.6600e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.6748	3.6748	8.0000e-005	0.0000	3.6769
Total	1.9100e-003	1.1500e-003	0.0135	4.0000e-005	4.6300e-003	3.0000e-005	4.6600e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.6748	3.6748	8.0000e-005	0.0000	3.6769

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2295	0.0000	0.2295	0.1086	0.0000	0.1086	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0999	1.0389	0.8133	1.8600e-003		0.0425	0.0425		0.0391	0.0391	0.0000	163.1678	163.1678	0.0528	0.0000	164.4871
Total	0.0999	1.0389	0.8133	1.8600e-003	0.2295	0.0425	0.2719	0.1086	0.0391	0.1477	0.0000	163.1678	163.1678	0.0528	0.0000	164.4871

Annex Construction - Sacramento County, Annual

3.4 Grading - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.9100e-003	1.1500e-003	0.0135	4.0000e-005	4.6300e-003	3.0000e-005	4.6600e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.6748	3.6748	8.0000e-005	0.0000	3.6769
Total	1.9100e-003	1.1500e-003	0.0135	4.0000e-005	4.6300e-003	3.0000e-005	4.6600e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.6748	3.6748	8.0000e-005	0.0000	3.6769

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3841	3.0186	3.2638	7.7100e-003		0.1305	0.1305		0.1234	0.1234	0.0000	664.1837	664.1837	0.1718	0.0000	668.4782
Total	0.3841	3.0186	3.2638	7.7100e-003		0.1305	0.1305		0.1234	0.1234	0.0000	664.1837	664.1837	0.1718	0.0000	668.4782

Annex Construction - Sacramento County, Annual

3.5 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0207	0.7358	0.1999	2.1300e-003	0.0524	1.0600e-003	0.0535	0.0151	1.0100e-003	0.0162	0.0000	204.6216	204.6216	0.0105	0.0000	204.8836
Worker	0.0895	0.0541	0.6312	1.9100e-003	0.2170	1.4400e-003	0.2185	0.0577	1.3300e-003	0.0591	0.0000	172.3668	172.3668	3.9300e-003	0.0000	172.4650
Total	0.1102	0.7899	0.8311	4.0400e-003	0.2694	2.5000e-003	0.2719	0.0729	2.3400e-003	0.0752	0.0000	376.9884	376.9884	0.0144	0.0000	377.3486

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3841	3.0186	3.2638	7.7100e-003		0.1305	0.1305		0.1234	0.1234	0.0000	664.1830	664.1830	0.1718	0.0000	668.4774
Total	0.3841	3.0186	3.2638	7.7100e-003		0.1305	0.1305		0.1234	0.1234	0.0000	664.1830	664.1830	0.1718	0.0000	668.4774

Annex Construction - Sacramento County, Annual

3.5 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0207	0.7358	0.1999	2.1300e-003	0.0524	1.0600e-003	0.0535	0.0151	1.0100e-003	0.0162	0.0000	204.6216	204.6216	0.0105	0.0000	204.8836
Worker	0.0895	0.0541	0.6312	1.9100e-003	0.2170	1.4400e-003	0.2185	0.0577	1.3300e-003	0.0591	0.0000	172.3668	172.3668	3.9300e-003	0.0000	172.4650
Total	0.1102	0.7899	0.8311	4.0400e-003	0.2694	2.5000e-003	0.2719	0.0729	2.3400e-003	0.0752	0.0000	376.9884	376.9884	0.0144	0.0000	377.3486

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4872	3.7641	4.3111	0.0103		0.1544	0.1544		0.1458	0.1458	0.0000	883.5535	883.5535	0.2275	0.0000	889.2406
Total	0.4872	3.7641	4.3111	0.0103		0.1544	0.1544		0.1458	0.1458	0.0000	883.5535	883.5535	0.2275	0.0000	889.2406

Annex Construction - Sacramento County, Annual

3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0262	0.9599	0.2486	2.8100e-003	0.0697	1.3400e-003	0.0710	0.0201	1.2800e-003	0.0214	0.0000	270.5565	270.5565	0.0138	0.0000	270.9007
Worker	0.1119	0.0650	0.7774	2.4400e-003	0.2886	1.8800e-003	0.2905	0.0768	1.7300e-003	0.0785	0.0000	220.3279	220.3279	4.7100e-003	0.0000	220.4457
Total	0.1381	1.0250	1.0259	5.2500e-003	0.3583	3.2200e-003	0.3615	0.0969	3.0100e-003	0.0999	0.0000	490.8843	490.8843	0.0185	0.0000	491.3463

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.4872	3.7641	4.3110	0.0103		0.1544	0.1544		0.1458	0.1458	0.0000	883.5524	883.5524	0.2275	0.0000	889.2395
Total	0.4872	3.7641	4.3110	0.0103		0.1544	0.1544		0.1458	0.1458	0.0000	883.5524	883.5524	0.2275	0.0000	889.2395

Annex Construction - Sacramento County, Annual

3.5 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0262	0.9599	0.2486	2.8100e-003	0.0697	1.3400e-003	0.0710	0.0201	1.2800e-003	0.0214	0.0000	270.5565	270.5565	0.0138	0.0000	270.9007
Worker	0.1119	0.0650	0.7774	2.4400e-003	0.2886	1.8800e-003	0.2905	0.0768	1.7300e-003	0.0785	0.0000	220.3279	220.3279	4.7100e-003	0.0000	220.4457
Total	0.1381	1.0250	1.0259	5.2500e-003	0.3583	3.2200e-003	0.3615	0.0969	3.0100e-003	0.0999	0.0000	490.8843	490.8843	0.0185	0.0000	491.3463

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3085	2.3010	2.8691	6.8900e-003		0.0891	0.0891		0.0841	0.0841	0.0000	593.4323	593.4323	0.1521	0.0000	597.2344
Total	0.3085	2.3010	2.8691	6.8900e-003		0.0891	0.0891		0.0841	0.0841	0.0000	593.4323	593.4323	0.1521	0.0000	597.2344

Annex Construction - Sacramento County, Annual

3.5 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0169	0.6329	0.1581	1.8800e-003	0.0468	8.5000e-004	0.0477	0.0135	8.1000e-004	0.0143	0.0000	180.7220	180.7220	9.1400e-003	0.0000	180.9505
Worker	0.0710	0.0397	0.4837	1.5700e-003	0.1939	1.2400e-003	0.1951	0.0516	1.1400e-003	0.0527	0.0000	142.0808	142.0808	2.8700e-003	0.0000	142.1526
Total	0.0879	0.6726	0.6418	3.4500e-003	0.2407	2.0900e-003	0.2428	0.0651	1.9500e-003	0.0671	0.0000	322.8028	322.8028	0.0120	0.0000	323.1030

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3085	2.3010	2.8691	6.8900e-003		0.0891	0.0891		0.0841	0.0841	0.0000	593.4316	593.4316	0.1521	0.0000	597.2337
Total	0.3085	2.3010	2.8691	6.8900e-003		0.0891	0.0891		0.0841	0.0841	0.0000	593.4316	593.4316	0.1521	0.0000	597.2337

Annex Construction - Sacramento County, Annual

3.5 Building Construction - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0169	0.6329	0.1581	1.8800e-003	0.0468	8.5000e-004	0.0477	0.0135	8.1000e-004	0.0143	0.0000	180.7220	180.7220	9.1400e-003	0.0000	180.9505
Worker	0.0710	0.0397	0.4837	1.5700e-003	0.1939	1.2400e-003	0.1951	0.0516	1.1400e-003	0.0527	0.0000	142.0808	142.0808	2.8700e-003	0.0000	142.1526
Total	0.0879	0.6726	0.6418	3.4500e-003	0.2407	2.0900e-003	0.2428	0.0651	1.9500e-003	0.0671	0.0000	322.8028	322.8028	0.0120	0.0000	323.1030

3.6 Paving - 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	0.0136	0.1259	0.2064	3.2000e-004		5.8300e-003	5.8300e-003		5.3900e-003	5.3900e-003	0.0000	27.7370	27.7370	8.7600e-003	0.0000	27.9560
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0136	0.1259	0.2064	3.2000e-004		5.8300e-003	5.8300e-003		5.3900e-003	5.3900e-003	0.0000	27.7370	27.7370	8.7600e-003	0.0000	27.9560

Annex Construction - Sacramento County, Annual

3.6 Paving - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	8.5000e-004	4.7000e-004	5.7700e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.6953	1.6953	3.0000e-005	0.0000	1.6961
Total	8.5000e-004	4.7000e-004	5.7700e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.6953	1.6953	3.0000e-005	0.0000	1.6961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0136	0.1259	0.2064	3.2000e-004		5.8300e-003	5.8300e-003		5.3900e-003	5.3900e-003	0.0000	27.7370	27.7370	8.7600e-003	0.0000	27.9560
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0136	0.1259	0.2064	3.2000e-004		5.8300e-003	5.8300e-003		5.3900e-003	5.3900e-003	0.0000	27.7370	27.7370	8.7600e-003	0.0000	27.9560

Annex Construction - Sacramento County, Annual

3.6 Paving - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	8.5000e-004	4.7000e-004	5.7700e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.6953	1.6953	3.0000e-005	0.0000	1.6961
Total	8.5000e-004	4.7000e-004	5.7700e-003	2.0000e-005	2.3100e-003	1.0000e-005	2.3300e-003	6.2000e-004	1.0000e-005	6.3000e-004	0.0000	1.6953	1.6953	3.0000e-005	0.0000	1.6961

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	2.5771					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0722	0.1140	1.9000e-004		3.2400e-003	3.2400e-003		3.2400e-003	3.2400e-003	0.0000	16.0855	16.0855	8.8000e-004	0.0000	16.1074
Total	2.5878	0.0722	0.1140	1.9000e-004		3.2400e-003	3.2400e-003		3.2400e-003	3.2400e-003	0.0000	16.0855	16.0855	8.8000e-004	0.0000	16.1074

Annex Construction - Sacramento County, Annual

3.7 Architectural Coating - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.0300e-003	1.1400e-003	0.0139	4.0000e-005	5.5500e-003	4.0000e-005	5.5900e-003	1.4800e-003	3.0000e-005	1.5100e-003	0.0000	4.0687	4.0687	8.0000e-005	0.0000	4.0707
Total	2.0300e-003	1.1400e-003	0.0139	4.0000e-005	5.5500e-003	4.0000e-005	5.5900e-003	1.4800e-003	3.0000e-005	1.5100e-003	0.0000	4.0687	4.0687	8.0000e-005	0.0000	4.0707

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.5771					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.0722	0.1140	1.9000e-004		3.2400e-003	3.2400e-003		3.2400e-003	3.2400e-003	0.0000	16.0855	16.0855	8.8000e-004	0.0000	16.1074
Total	2.5878	0.0722	0.1140	1.9000e-004		3.2400e-003	3.2400e-003		3.2400e-003	3.2400e-003	0.0000	16.0855	16.0855	8.8000e-004	0.0000	16.1074

Annex Construction - Sacramento County, Annual

3.7 Architectural Coating - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.0300e-003	1.1400e-003	0.0139	4.0000e-005	5.5500e-003	4.0000e-005	5.5900e-003	1.4800e-003	3.0000e-005	1.5100e-003	0.0000	4.0687	4.0687	8.0000e-005	0.0000	4.0707
Total	2.0300e-003	1.1400e-003	0.0139	4.0000e-005	5.5500e-003	4.0000e-005	5.5900e-003	1.4800e-003	3.0000e-005	1.5100e-003	0.0000	4.0687	4.0687	8.0000e-005	0.0000	4.0707

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Annex Construction - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	10.00	5.00	6.50	33.00	62.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.562895	0.037862	0.207220	0.115570	0.017815	0.005092	0.018559	0.023754	0.002009	0.001969	0.005819	0.000618	0.000817

5.0 Energy Detail

Historical Energy Use: N

Annex Construction - Sacramento County, Annual

5.1 Mitigation Measures Energy

[illegible]

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Annex Construction - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Government 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
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

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Annex Construction - Sacramento County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

[illegible]

Annex Construction - Sacramento County, Annual

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	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

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	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

7.0 Water Detail**7.1 Mitigation Measures Water**

Annex Construction - Sacramento County, Annual

Install Low Flow Bathroom Faucet

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Annex Construction - Sacramento County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Annex Construction - Sacramento County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Annex Construction - Sacramento County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Annex Construction - Sacramento County, Summer

Annex Construction

Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	556.00	1000sqft	12.76	556,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	529.47	CH4 Intensity (lb/MWhr)	0.022	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Annex Construction - Sacramento County, Summer

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use -

Construction Phase - Construction schedule adjusted proportionally based on default values to match schedule provided in project description

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Off-road Equipment - Construction equipment list from 1215 O Street construction

Trips and VMT - See appendix detail for haul trip calculation. 300 workers assumed during peak construction periods (assumed to be demo and building)

Demolition -

Vehicle Trips - Construction only

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Consumer Products - Construction only

Area Coating - Construction only

Landscape Equipment - Construction only

Energy Use - Construction only

Water And Wastewater - Construction only

Solid Waste - Construction only

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Nonresidential_Exterior	278000	0

Annex Construction - Sacramento County, Summer

tblAreaCoating	Area_Nonresidential_Interior	834000	0
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	300.00	635.00
tblConstructionPhase	NumDays	20.00	239.00
tblConstructionPhase	NumDays	30.00	63.00
tblConstructionPhase	NumDays	20.00	42.00
tblConstructionPhase	NumDays	10.00	21.00
tblEnergyUse	LightingElect	3.71	0.00
tblEnergyUse	NT24E	5.75	0.00
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	4.98	0.00
tblEnergyUse	T24NG	12.42	0.00
tblFleetMix	HHD	0.02	0.02
tblFleetMix	LDA	0.57	0.56
tblFleetMix	LDT1	0.04	0.04
tblFleetMix	LDT2	0.21	0.21
tblFleetMix	LHD1	0.01	0.02
tblFleetMix	LHD2	4.7320e-003	5.0920e-003
tblFleetMix	MCY	5.6540e-003	5.8190e-003
tblFleetMix	MDV	0.11	0.12
tblFleetMix	MH	7.1000e-004	8.1700e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	1.9340e-003	2.0090e-003
tblFleetMix	SBUS	6.1700e-004	6.1800e-004
tblFleetMix	UBUS	1.7390e-003	1.9690e-003
tblGrading	AcresOfGrading	157.50	75.00
tblGrading	AcresOfGrading	10.50	0.00

Annex Construction - Sacramento County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblSolidWaste	SolidWasteGenerationRate	517.08	0.00
tblTripsAndVMT	HaulingTripNumber	1,478.00	13,542.00
tblTripsAndVMT	WorkerTripNumber	25.00	300.00
tblTripsAndVMT	WorkerTripNumber	8.00	18.00
tblTripsAndVMT	WorkerTripNumber	18.00	20.00
tblTripsAndVMT	WorkerTripNumber	178.00	300.00
tblTripsAndVMT	WorkerTripNumber	13.00	15.00
tblVehicleTrips	WD_TR	68.93	0.00
tblWater	IndoorWaterUseRate	110,454,785.34	0.00
tblWater	OutdoorWaterUseRate	67,698,094.24	0.00

2.0 Emissions Summary

Annex Construction - Sacramento County, Summer

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	5.1751	46.0391	41.9991	0.1401	7.4367	1.5458	8.9825	3.4869	1.4221	4.9090	0.0000	14,074.42 60	14,074.42 60	2.4742	0.0000	14,136.28 08
2023	5.1544	38.5145	42.6498	0.1215	7.4367	1.3503	8.7864	3.4869	1.2764	4.7286	0.0000	11,881.519 5	11,881.519 5	2.0851	0.0000	11,933.646 5
2024	4.9009	36.4167	41.7490	0.1206	2.8295	1.2026	4.0321	0.7629	1.1359	1.8987	0.0000	11,786.809 9	11,786.809 9	2.0707	0.0000	11,838.577 5
2025	123.3412	33.6576	40.8379	0.1196	2.8294	1.0354	3.8649	0.7628	0.9780	1.7408	0.0000	11,690.253 4	11,690.253 4	2.0561	0.0000	11,741.655 0
Maximum	123.3412	46.0391	42.6498	0.1401	7.4367	1.5458	8.9825	3.4869	1.4221	4.9090	0.0000	14,074.42 60	14,074.42 60	2.4742	0.0000	14,136.28 08

Annex Construction - Sacramento County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	5.1751	46.0391	41.9991	0.1401	7.4367	1.5458	8.9825	3.4869	1.4221	4.9090	0.0000	14,074.4260	14,074.4260	2.4742	0.0000	14,136.2807
2023	5.1544	38.5145	42.6498	0.1215	7.4367	1.3503	8.7864	3.4869	1.2764	4.7286	0.0000	11,881.5195	11,881.5195	2.0851	0.0000	11,933.6465
2024	4.9009	36.4167	41.7490	0.1206	2.8295	1.2026	4.0321	0.7629	1.1359	1.8987	0.0000	11,786.8099	11,786.8099	2.0707	0.0000	11,838.5775
2025	123.3412	33.6576	40.8379	0.1196	2.8294	1.0354	3.8649	0.7628	0.9780	1.7408	0.0000	11,690.2534	11,690.2534	2.0561	0.0000	11,741.6550
Maximum	123.3412	46.0391	42.6498	0.1401	7.4367	1.5458	8.9825	3.4869	1.4221	4.9090	0.0000	14,074.4260	14,074.4260	2.4742	0.0000	14,136.2807

[illegible]

Annex Construction - Sacramento County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.2100e-003	5.1000e-004	0.0566	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004		0.1296
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	0.0000	0.0000	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	5.2100e-003	5.1000e-004	0.0566	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004	0.0000	0.1296

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	5.2100e-003	5.1000e-004	0.0566	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004		0.1296
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	0.0000	0.0000	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	5.2100e-003	5.1000e-004	0.0566	0.0000	0.0000	2.0000e-004	2.0000e-004	0.0000	2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004	0.0000	0.1296

Annex Construction - Sacramento County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2022	12/1/2022	5	239	
2	Site Preparation	Site Preparation	12/2/2022	12/30/2022	5	21	
3	Grading	Grading	12/31/2022	3/29/2023	5	63	
4	Building Construction	Building Construction	3/30/2023	9/3/2025	5	635	
5	Paving	Paving	9/4/2025	10/31/2025	5	42	
6	Architectural Coating	Architectural Coating	11/1/2025	12/30/2025	5	42	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 75

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 834,000; Non-Residential Outdoor: 278,000; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Annex Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	2	8.00	158	0.38
Demolition	Off-Highway Trucks	3	8.00	402	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	2	8.00	84	0.74
Building Construction	Off-Highway Trucks	3	8.00	402	0.38
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	3	6.00	78	0.48

Trips and VMT

Annex Construction - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	10	300.00	0.00	13,542.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	7	20.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	15	300.00	91.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	3	36.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					1.3955	0.0000	1.3955	0.2113	0.0000	0.2113			0.0000			0.0000
Off-Road	3.6790	32.2168	30.5470	0.0741		1.4476	1.4476		1.3438	1.3438		7,160.403 3	7,160.403 3	2.1565		7,214.315 0
Total	3.6790	32.2168	30.5470	0.0741	1.3955	1.4476	2.8431	0.2113	1.3438	1.5551		7,160.403 3	7,160.403 3	2.1565		7,214.315 0

Annex Construction - Sacramento County, Summer

3.2 Demolition - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3738	13.2687	3.1872	0.0438	0.9852	0.0434	1.0286	0.2696	0.0415	0.3111		4,697.049 0	4,697.049 0	0.2627		4,703.617 1
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.1223	0.5536	8.2650	0.0223	2.2821	0.0150	2.2971	0.6054	0.0138	0.6192		2,216.973 7	2,216.973 7	0.0550		2,218.348 7
Total	1.4961	13.8223	11.4522	0.0660	3.2673	0.0584	3.3257	0.8749	0.0553	0.9302		6,914.022 7	6,914.022 7	0.3177		6,921.965 8

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.3955	0.0000	1.3955	0.2113	0.0000	0.2113			0.0000			0.0000
Off-Road	3.6790	32.2168	30.5470	0.0741		1.4476	1.4476		1.3438	1.3438	0.0000	7,160.403 3	7,160.403 3	2.1565		7,214.315 0
Total	3.6790	32.2168	30.5470	0.0741	1.3955	1.4476	2.8431	0.2113	1.3438	1.5551	0.0000	7,160.403 3	7,160.403 3	2.1565		7,214.315 0

Annex Construction - Sacramento County, Summer

3.2 Demolition - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.3738	13.2687	3.1872	0.0438	0.9852	0.0434	1.0286	0.2696	0.0415	0.3111		4,697.049 0	4,697.049 0	0.2627		4,703.617 1
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	1.1223	0.5536	8.2650	0.0223	2.2821	0.0150	2.2971	0.6054	0.0138	0.6192		2,216.973 7	2,216.973 7	0.0550		2,218.348 7
Total	1.4961	13.8223	11.4522	0.0660	3.2673	0.0584	3.3257	0.8749	0.0553	0.9302		6,914.022 7	6,914.022 7	0.3177		6,921.965 8

3.3 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.4168	15.7269	7.5417	0.0183		0.6747	0.6747		0.6207	0.6207		1,769.553 2	1,769.553 2	0.5723		1,783.861 0
Total	1.4168	15.7269	7.5417	0.0183	6.0221	0.6747	6.6968	3.3102	0.6207	3.9310		1,769.553 2	1,769.553 2	0.5723		1,783.861 0

Annex Construction - Sacramento County, Summer

3.3 Site Preparation - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0673	0.0332	0.4959	1.3400e-003	0.1369	9.0000e-004	0.1378	0.0363	8.3000e-004	0.0372		133.0184	133.0184	3.3000e-003		133.1009
Total	0.0673	0.0332	0.4959	1.3400e-003	0.1369	9.0000e-004	0.1378	0.0363	8.3000e-004	0.0372		133.0184	133.0184	3.3000e-003		133.1009

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					6.0221	0.0000	6.0221	3.3102	0.0000	3.3102			0.0000			0.0000
Off-Road	1.4168	15.7269	7.5417	0.0183		0.6747	0.6747		0.6207	0.6207	0.0000	1,769.5532	1,769.5532	0.5723		1,783.8610
Total	1.4168	15.7269	7.5417	0.0183	6.0221	0.6747	6.6968	3.3102	0.6207	3.9310	0.0000	1,769.5532	1,769.5532	0.5723		1,783.8610

Annex Construction - Sacramento County, Summer

3.3 Site Preparation - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0673	0.0332	0.4959	1.3400e-003	0.1369	9.0000e-004	0.1378	0.0363	8.3000e-004	0.0372		133.0184	133.0184	3.3000e-003		133.1009
Total	0.0673	0.0332	0.4959	1.3400e-003	0.1369	9.0000e-004	0.1378	0.0363	8.3000e-004	0.0372		133.0184	133.0184	3.3000e-003		133.1009

3.4 Grading - 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					7.2846	0.0000	7.2846	3.4466	0.0000	3.4466			0.0000			0.0000
Off-Road	3.4601	37.1678	26.8036	0.0590		1.5448	1.5448		1.4212	1.4212		5,710.1716	5,710.1716	1.8468		5,756.3412
Total	3.4601	37.1678	26.8036	0.0590	7.2846	1.5448	8.8294	3.4466	1.4212	4.8677		5,710.1716	5,710.1716	1.8468		5,756.3412

Annex Construction - Sacramento County, Summer

3.4 Grading - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0748	0.0369	0.5510	1.4800e-003	0.1521	1.0000e-003	0.1531	0.0404	9.2000e-004	0.0413		147.7983	147.7983	3.6700e-003		147.8899
Total	0.0748	0.0369	0.5510	1.4800e-003	0.1521	1.0000e-003	0.1531	0.0404	9.2000e-004	0.0413		147.7983	147.7983	3.6700e-003		147.8899

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.2846	0.0000	7.2846	3.4466	0.0000	3.4466			0.0000			0.0000
Off-Road	3.4601	37.1678	26.8036	0.0590		1.5448	1.5448		1.4212	1.4212	0.0000	5,710.1716	5,710.1716	1.8468		5,756.3412
Total	3.4601	37.1678	26.8036	0.0590	7.2846	1.5448	8.8294	3.4466	1.4212	4.8677	0.0000	5,710.1716	5,710.1716	1.8468		5,756.3412

Annex Construction - Sacramento County, Summer

3.4 Grading - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0748	0.0369	0.5510	1.4800e-003	0.1521	1.0000e-003	0.1531	0.0404	9.2000e-004	0.0413		147.7983	147.7983	3.6700e-003		147.8899
Total	0.0748	0.0369	0.5510	1.4800e-003	0.1521	1.0000e-003	0.1531	0.0404	9.2000e-004	0.0413		147.7983	147.7983	3.6700e-003		147.8899

3.4 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					7.2846	0.0000	7.2846	3.4466	0.0000	3.4466			0.0000			0.0000
Off-Road	3.1704	32.9799	25.8199	0.0590		1.3487	1.3487		1.2408	1.2408		5,709.9012	5,709.9012	1.8467		5,756.0687
Total	3.1704	32.9799	25.8199	0.0590	7.2846	1.3487	8.6333	3.4466	1.2408	4.6873		5,709.9012	5,709.9012	1.8467		5,756.0687

Annex Construction - Sacramento County, Summer

3.4 Grading - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0332	0.5072	1.4300e-003	0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413		142.2416	142.2416	3.2900e-003		142.3238
Total	0.0699	0.0332	0.5072	1.4300e-003	0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413		142.2416	142.2416	3.2900e-003		142.3238

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.2846	0.0000	7.2846	3.4466	0.0000	3.4466			0.0000			0.0000
Off-Road	3.1704	32.9799	25.8199	0.0590		1.3487	1.3487		1.2408	1.2408	0.0000	5,709.9012	5,709.9012	1.8467		5,756.0687
Total	3.1704	32.9799	25.8199	0.0590	7.2846	1.3487	8.6333	3.4466	1.2408	4.6873	0.0000	5,709.9012	5,709.9012	1.8467		5,756.0687

Annex Construction - Sacramento County, Summer

3.4 Grading - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0332	0.5072	1.4300e-003	0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413		142.2416	142.2416	3.2900e-003		142.3238
Total	0.0699	0.0332	0.5072	1.4300e-003	0.1521	9.8000e-004	0.1531	0.0404	9.0000e-004	0.0413		142.2416	142.2416	3.2900e-003		142.3238

3.5 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8992	30.6453	33.1347	0.0783		1.3253	1.3253		1.2530	1.2530		7,432.8655	7,432.8655	1.9224		7,480.9242
Total	3.8992	30.6453	33.1347	0.0783		1.3253	1.3253		1.2530	1.2530		7,432.8655	7,432.8655	1.9224		7,480.9242

Annex Construction - Sacramento County, Summer

3.5 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2062	7.3709	1.9076	0.0218	0.5474	0.0104	0.5578	0.1575	9.9000e-003	0.1674		2,315.0294	2,315.0294	0.1134		2,317.8652
Worker	1.0490	0.4983	7.6075	0.0214	2.2821	0.0146	2.2967	0.6054	0.0135	0.6188		2,133.6247	2,133.6247	0.0493		2,134.8572
Total	1.2552	7.8692	9.5151	0.0432	2.8295	0.0250	2.8545	0.7629	0.0234	0.7863		4,448.6540	4,448.6540	0.1627		4,452.7224

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.8992	30.6453	33.1347	0.0783		1.3253	1.3253		1.2530	1.2530	0.0000	7,432.8655	7,432.8655	1.9224		7,480.9242
Total	3.8992	30.6453	33.1347	0.0783		1.3253	1.3253		1.2530	1.2530	0.0000	7,432.8655	7,432.8655	1.9224		7,480.9242

Annex Construction - Sacramento County, Summer

3.5 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2062	7.3709	1.9076	0.0218	0.5474	0.0104	0.5578	0.1575	9.9000e-003	0.1674		2,315.0294	2,315.0294	0.1134		2,317.8652
Worker	1.0490	0.4983	7.6075	0.0214	2.2821	0.0146	2.2967	0.6054	0.0135	0.6188		2,133.6247	2,133.6247	0.0493		2,134.8572
Total	1.2552	7.8692	9.5151	0.0432	2.8295	0.0250	2.8545	0.7629	0.0234	0.7863		4,448.6540	4,448.6540	0.1627		4,452.7224

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7194	28.7334	32.9088	0.0783		1.1784	1.1784		1.1133	1.1133		7,434.7402	7,434.7402	1.9142		7,482.5950
Total	3.7194	28.7334	32.9088	0.0783		1.1784	1.1784		1.1133	1.1133		7,434.7402	7,434.7402	1.9142		7,482.5950

Annex Construction - Sacramento County, Summer

3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1965	7.2328	1.7830	0.0217	0.5474	9.8500e-003	0.5572	0.1575	9.4200e-003	0.1669		2,301.4946	2,301.4946	0.1120		2,304.2956
Worker	0.9851	0.4505	7.0572	0.0206	2.2821	0.0143	2.2964	0.6054	0.0132	0.6185		2,050.5751	2,050.5751	0.0445		2,051.6870
Total	1.1815	7.6833	8.8402	0.0423	2.8295	0.0242	2.8537	0.7629	0.0226	0.7855		4,352.0697	4,352.0697	0.1565		4,355.9826

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.7194	28.7334	32.9088	0.0783		1.1784	1.1784		1.1133	1.1133	0.0000	7,434.7402	7,434.7402	1.9142		7,482.5949
Total	3.7194	28.7334	32.9088	0.0783		1.1784	1.1784		1.1133	1.1133	0.0000	7,434.7402	7,434.7402	1.9142		7,482.5949

Annex Construction - Sacramento County, Summer

3.5 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1965	7.2328	1.7830	0.0217	0.5474	9.8500e-003	0.5572	0.1575	9.4200e-003	0.1669		2,301.4946	2,301.4946	0.1120		2,304.2956
Worker	0.9851	0.4505	7.0572	0.0206	2.2821	0.0143	2.2964	0.6054	0.0132	0.6185		2,050.5751	2,050.5751	0.0445		2,051.6870
Total	1.1815	7.6833	8.8402	0.0423	2.8295	0.0242	2.8537	0.7629	0.0226	0.7855		4,352.0697	4,352.0697	0.1565		4,355.9826

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5061	26.1475	32.6039	0.0783		1.0120	1.0120		0.9561	0.9561		7,433.4907	7,433.4907	1.9050		7,481.1162
Total	3.5061	26.1475	32.6039	0.0783		1.0120	1.0120		0.9561	0.9561		7,433.4907	7,433.4907	1.9050		7,481.1162

Annex Construction - Sacramento County, Summer

3.5 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1884	7.1009	1.6883	0.0216	0.5473	9.3600e-003	0.5567	0.1575	8.9500e-003	0.1664		2,288.3933	2,288.3933	0.1107		2,291.1614
Worker	0.9293	0.4092	6.5458	0.0198	2.2821	0.0141	2.2962	0.6054	0.0129	0.6183		1,968.3695	1,968.3695	0.0403		1,969.3775
Total	1.1177	7.5101	8.2341	0.0413	2.8294	0.0234	2.8529	0.7628	0.0219	0.7847		4,256.7628	4,256.7628	0.1510		4,260.5389

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.5061	26.1475	32.6039	0.0783		1.0120	1.0120		0.9561	0.9561	0.0000	7,433.4907	7,433.4907	1.9050		7,481.1161
Total	3.5061	26.1475	32.6039	0.0783		1.0120	1.0120		0.9561	0.9561	0.0000	7,433.4907	7,433.4907	1.9050		7,481.1161

Annex Construction - Sacramento County, Summer

3.5 Building Construction - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1884	7.1009	1.6883	0.0216	0.5473	9.3600e-003	0.5567	0.1575	8.9500e-003	0.1664		2,288.3933	2,288.3933	0.1107		2,291.1614
Worker	0.9293	0.4092	6.5458	0.0198	2.2821	0.0141	2.2962	0.6054	0.0129	0.6183		1,968.3695	1,968.3695	0.0403		1,969.3775
Total	1.1177	7.5101	8.2341	0.0413	2.8294	0.0234	2.8529	0.7628	0.0219	0.7847		4,256.7628	4,256.7628	0.1510		4,260.5389

3.6 Paving - 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	0.6485	5.9941	9.8270	0.0152		0.2777	0.2777		0.2566	0.2566		1,455.9447	1,455.9447	0.4598		1,467.4395
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6485	5.9941	9.8270	0.0152		0.2777	0.2777		0.2566	0.2566		1,455.9447	1,455.9447	0.4598		1,467.4395

Annex Construction - Sacramento County, Summer

3.6 Paving - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0205	0.3273	9.9000e-004	0.1141	7.0000e-004	0.1148	0.0303	6.5000e-004	0.0309		98.4185	98.4185	2.0200e-003		98.4689
Total	0.0465	0.0205	0.3273	9.9000e-004	0.1141	7.0000e-004	0.1148	0.0303	6.5000e-004	0.0309		98.4185	98.4185	2.0200e-003		98.4689

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6485	5.9941	9.8270	0.0152		0.2777	0.2777		0.2566	0.2566	0.0000	1,455.9447	1,455.9447	0.4598		1,467.4395
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6485	5.9941	9.8270	0.0152		0.2777	0.2777		0.2566	0.2566	0.0000	1,455.9447	1,455.9447	0.4598		1,467.4395

Annex Construction - Sacramento County, Summer

3.6 Paving - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0465	0.0205	0.3273	9.9000e-004	0.1141	7.0000e-004	0.1148	0.0303	6.5000e-004	0.0309		98.4185	98.4185	2.0200e-003		98.4689
Total	0.0465	0.0205	0.3273	9.9000e-004	0.1141	7.0000e-004	0.1148	0.0303	6.5000e-004	0.0309		98.4185	98.4185	2.0200e-003		98.4689

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	122.7171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5126	3.4365	5.4274	8.9100e-003		0.1545	0.1545		0.1545	0.1545		844.3442	844.3442	0.0461		845.4956
Total	123.2297	3.4365	5.4274	8.9100e-003		0.1545	0.1545		0.1545	0.1545		844.3442	844.3442	0.0461		845.4956

Annex Construction - Sacramento County, Summer

3.7 Architectural Coating - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1115	0.0491	0.7855	2.3700e-003	0.2739	1.6900e-003	0.2755	0.0726	1.5500e-003	0.0742		236.2043	236.2043	4.8400e-003		236.3253
Total	0.1115	0.0491	0.7855	2.3700e-003	0.2739	1.6900e-003	0.2755	0.0726	1.5500e-003	0.0742		236.2043	236.2043	4.8400e-003		236.3253

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	122.7171					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.5126	3.4365	5.4274	8.9100e-003		0.1545	0.1545		0.1545	0.1545	0.0000	844.3441	844.3441	0.0461		845.4956
Total	123.2297	3.4365	5.4274	8.9100e-003		0.1545	0.1545		0.1545	0.1545	0.0000	844.3441	844.3441	0.0461		845.4956

Annex Construction - Sacramento County, Summer

3.7 Architectural Coating - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1115	0.0491	0.7855	2.3700e-003	0.2739	1.6900e-003	0.2755	0.0726	1.5500e-003	0.0742		236.2043	236.2043	4.8400e-003		236.3253
Total	0.1115	0.0491	0.7855	2.3700e-003	0.2739	1.6900e-003	0.2755	0.0726	1.5500e-003	0.0742		236.2043	236.2043	4.8400e-003		236.3253

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Annex Construction - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Government Office Building	10.00	5.00	6.50	33.00	62.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.562895	0.037862	0.207220	0.115570	0.017815	0.005092	0.018559	0.023754	0.002009	0.001969	0.005819	0.000618	0.000817

5.0 Energy Detail

 Historical Energy Use: N

Annex Construction - Sacramento County, Summer

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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					
Government 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
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

Annex Construction - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government 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
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

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	5.2100e-003	5.1000e-004	0.0566	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004		0.1296
Unmitigated	5.2100e-003	5.1000e-004	0.0566	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004		0.1296

Annex Construction - Sacramento County, Summer

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2100e-003	5.1000e-004	0.0566	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004		0.1296
Total	5.2100e-003	5.1000e-004	0.0566	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004		0.1296

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.2100e-003	5.1000e-004	0.0566	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004		0.1296
Total	5.2100e-003	5.1000e-004	0.0566	0.0000		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		0.1217	0.1217	3.2000e-004		0.1296

7.0 Water Detail**7.1 Mitigation Measures Water**

Annex Construction - Sacramento County, Summer

Install Low Flow Bathroom Faucet

8.0 Waste Detail

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Annex Operation - Sacramento County, Annual

Annex Operation

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	231.00	1000sqft	5.30	231,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	529.47	CH4 Intensity (lb/MWhr)	0.022	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Annex Operation - Sacramento County, Annual

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use - Net change in building size from existing Annex to new Annex

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Grading -

Trips and VMT - Operation only

Architectural Coating - Operation only

Vehicle Trips - No increase in VMT associated with project

Consumer Products - Parking modeled separately - no landscaping change

Landscape Equipment - No change in landscaping

Energy Use - Electricity consumption reduced by 30% for compliance with 2019 California Energy Code. No natural gas usage on-site.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	115,500.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	346,500.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00

Annex Operation - Sacramento County, Annual

tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2020	8/20/2020
tblConstructionPhase	PhaseEndDate	7/23/2020	9/5/2019
tblConstructionPhase	PhaseEndDate	7/25/2019	6/27/2019
tblConstructionPhase	PhaseEndDate	9/5/2019	8/8/2019
tblConstructionPhase	PhaseEndDate	8/20/2020	7/23/2020
tblConstructionPhase	PhaseEndDate	8/8/2019	7/25/2019
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	4.98	3.49
tblEnergyUse	T24NG	12.42	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Annex Operation - Sacramento County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	VendorTripNumber	38.00	0.00
tblTripsAndVMT	WorkerTripNumber	74.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblVehicleTrips	WD_TR	68.93	0.00

2.0 Emissions Summary

Annex Operation - Sacramento County, Annual

2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Annex Operation - Sacramento County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	718.2154	718.2154	0.0298	5.4300e-003	720.5783
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	43.6086	0.0000	43.6086	2.5772	0.0000	108.0383
Water						0.0000	0.0000		0.0000	0.0000	16.2361	78.5565	94.7926	0.0592	0.0359	106.9699
Total	1.0095	3.0000e-005	2.9400e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	59.8446	796.7776	856.6222	2.6662	0.0413	935.5927

Annex Operation - Sacramento County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	689.2060	689.2060	0.0286	5.2100e-003	691.4736
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	21.8043	0.0000	21.8043	1.2886	0.0000	54.0192
Water						0.0000	0.0000		0.0000	0.0000	12.9889	67.5736	80.5625	0.0475	0.0288	90.3200
Total	1.0095	3.0000e-005	2.9400e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	34.7931	756.7854	791.5785	1.3648	0.0340	835.8188

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.86	5.02	7.59	48.81	17.81	10.66

3.0 Construction Detail**Construction Phase**

Annex Operation - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/28/2019	6/27/2019	5	0	
2	Site Preparation	Site Preparation	7/26/2019	7/25/2019	5	0	
3	Grading	Grading	8/9/2019	8/8/2019	5	0	
4	Building Construction	Building Construction	9/6/2019	9/5/2019	5	0	
5	Paving	Paving	7/24/2020	7/23/2020	5	0	
6	Architectural Coating	Architectural Coating	8/21/2020	8/20/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Annex Operation - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Annex Operation - Sacramento County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.2 Demolition - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.2 Demolition - 2019

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.4 Grading - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.4 Grading - 2019

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.5 Building Construction - 2019

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2020

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.6 Paving - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.6 Paving - 2020

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Annex Operation - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	10.00	5.00	6.50	33.00	62.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

Annex Operation - Sacramento County, Annual

5.1 Mitigation Measures Energy

Exceed Title 24

[illegible]

Annex Operation - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Annex Operation - Sacramento County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	2.99053e+006	718.2154	0.0298	5.4300e-003	720.5783
Total		718.2154	0.0298	5.4300e-003	720.5783

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	2.86974e+006	689.2060	0.0286	5.2100e-003	691.4736
Total		689.2060	0.0286	5.2100e-003	691.4736

6.0 Area Detail**6.1 Mitigation Measures Area**

Annex Operation - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Unmitigated	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1071					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Total	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003

Annex Operation - Sacramento County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1071					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Total	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Annex Operation - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	80.5625	0.0475	0.0288	90.3200
Unmitigated	94.7926	0.0592	0.0359	106.9699

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	45.8904 / 28.1264	94.7926	0.0592	0.0359	106.9699
Total		94.7926	0.0592	0.0359	106.9699

Annex Operation - Sacramento County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	36.7123 / 28.1264	80.5625	0.0475	0.0288	90.3200
Total		80.5625	0.0475	0.0288	90.3200

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Annex Operation - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	21.8043	1.2886	0.0000	54.0192
Unmitigated	43.6086	2.5772	0.0000	108.0383

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	214.83	43.6086	2.5772	0.0000	108.0383
Total		43.6086	2.5772	0.0000	108.0383

Annex Operation - Sacramento County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	107.415	21.8043	1.2886	0.0000	54.0192
Total		21.8043	1.2886	0.0000	54.0192

9.0 Operational Offroad

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Annex Operation - Sacramento County, Annual

Annex Operation - Sacramento County, Annual

Annex Operation

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	231.00	1000sqft	5.30	231,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	529.47	CH4 Intensity (lb/MWhr)	0.022	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Annex Operation - Sacramento County, Annual

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use - Net change in building size from existing Annex to new Annex

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Grading -

Trips and VMT - Operation only

Architectural Coating - Operation only

Vehicle Trips - No increase in VMT associated with project

Consumer Products - Parking modeled separately - no landscaping change

Landscape Equipment - No change in landscaping

Energy Use - Electricity consumption reduced by 30% for compliance with 2019 California Energy Code. No natural gas usage on-site.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	115,500.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	346,500.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00

Annex Operation - Sacramento County, Annual

tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2020	8/20/2020
tblConstructionPhase	PhaseEndDate	7/23/2020	9/5/2019
tblConstructionPhase	PhaseEndDate	7/25/2019	6/27/2019
tblConstructionPhase	PhaseEndDate	9/5/2019	8/8/2019
tblConstructionPhase	PhaseEndDate	8/20/2020	7/23/2020
tblConstructionPhase	PhaseEndDate	8/8/2019	7/25/2019
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	4.98	3.49
tblEnergyUse	T24NG	12.42	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Annex Operation - Sacramento County, Annual

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	VendorTripNumber	38.00	0.00
tblTripsAndVMT	WorkerTripNumber	74.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblVehicleTrips	WD_TR	68.93	0.00

2.0 Emissions Summary

Annex Operation - Sacramento County, Annual

2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Annex Operation - Sacramento County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	718.2154	718.2154	0.0298	5.4300e-003	720.5783
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	43.6086	0.0000	43.6086	2.5772	0.0000	108.0383
Water						0.0000	0.0000		0.0000	0.0000	16.2361	78.5565	94.7926	0.0592	0.0359	106.9699
Total	1.0095	3.0000e-005	2.9400e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	59.8446	796.7776	856.6222	2.6662	0.0413	935.5927

Annex Operation - Sacramento County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
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	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	21.8043	0.0000	21.8043	1.2886	0.0000	54.0192
Water						0.0000	0.0000		0.0000	0.0000	12.9889	67.5736	80.5625	0.0475	0.0288	90.3200
Total	1.0095	3.0000e-005	2.9400e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	34.7931	67.5794	102.3725	1.3361	0.0288	144.3452

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41.86	91.52	88.05	49.89	30.41	84.57

3.0 Construction Detail**Construction Phase**

Annex Operation - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/28/2019	6/27/2019	5	0	
2	Site Preparation	Site Preparation	7/26/2019	7/25/2019	5	0	
3	Grading	Grading	8/9/2019	8/8/2019	5	0	
4	Building Construction	Building Construction	9/6/2019	9/5/2019	5	0	
5	Paving	Paving	7/24/2020	7/23/2020	5	0	
6	Architectural Coating	Architectural Coating	8/21/2020	8/20/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Annex Operation - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Annex Operation - Sacramento County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.2 Demolition - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.2 Demolition - 2019

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.4 Grading - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.4 Grading - 2019

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.5 Building Construction - 2019

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2020

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.6 Paving - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.6 Paving - 2020

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Annual

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Annex Operation - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	10.00	5.00	6.50	33.00	62.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

Annex Operation - Sacramento County, Annual

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

[illegible]

Annex Operation - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Annex Operation - Sacramento County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	2.99053e+006	718.2154	0.0298	5.4300e-003	720.5783
Total		718.2154	0.0298	5.4300e-003	720.5783

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government Office Building	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

Annex Operation - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Unmitigated	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1071					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Total	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003

Annex Operation - Sacramento County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1071					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.9022					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.7000e-004	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003
Total	1.0095	3.0000e-005	2.9400e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	5.7300e-003	5.7300e-003	1.0000e-005	0.0000	6.1100e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Annex Operation - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	80.5625	0.0475	0.0288	90.3200
Unmitigated	94.7926	0.0592	0.0359	106.9699

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government Office Building	45.8904 / 28.1264	94.7926	0.0592	0.0359	106.9699
Total		94.7926	0.0592	0.0359	106.9699

Annex Operation - Sacramento County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO ₂	CH ₄	N ₂ O	CO ₂ e
Land Use	Mgal	MT/yr			
Government Office Building	36.7123 / 28.1264	80.5625	0.0475	0.0288	90.3200
Total		80.5625	0.0475	0.0288	90.3200

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Annex Operation - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	21.8043	1.2886	0.0000	54.0192
Unmitigated	43.6086	2.5772	0.0000	108.0383

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	214.83	43.6086	2.5772	0.0000	108.0383
Total		43.6086	2.5772	0.0000	108.0383

Annex Operation - Sacramento County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government Office Building	107.415	21.8043	1.2886	0.0000	54.0192
Total		21.8043	1.2886	0.0000	54.0192

9.0 Operational Offroad

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Annex Operation - Sacramento County, Annual

Annex Operation - Sacramento County, Summer

Annex Operation
Sacramento County, Summer**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government Office Building	231.00	1000sqft	5.30	231,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	529.47	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Annex Operation - Sacramento County, Summer

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use - Net change in building size from existing Annex to new Annex

Construction Phase - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Off-road Equipment - Operation only

Grading -

Trips and VMT - Operation only

Architectural Coating - Operation only

Vehicle Trips - No increase in VMT associated with project

Consumer Products - Parking modeled separately - no landscaping change

Landscape Equipment - No change in landscaping

Energy Use - Electricity consumption reduced by 30% for compliance with 2019 California Energy Code. No natural gas usage on-site.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	115,500.00	0.00
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	346,500.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	20.00	0.00

Annex Operation - Sacramento County, Summer

tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	9/17/2020	8/20/2020
tblConstructionPhase	PhaseEndDate	7/23/2020	9/5/2019
tblConstructionPhase	PhaseEndDate	7/25/2019	6/27/2019
tblConstructionPhase	PhaseEndDate	9/5/2019	8/8/2019
tblConstructionPhase	PhaseEndDate	8/20/2020	7/23/2020
tblConstructionPhase	PhaseEndDate	8/8/2019	7/25/2019
tblConsumerProducts	ROG_EF_Degreaser	3.542E-07	0
tblConsumerProducts	ROG_EF_PesticidesFertilizers	5.152E-08	0
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	4.98	3.49
tblEnergyUse	T24NG	12.42	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00

Annex Operation - Sacramento County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	VendorTripNumber	38.00	0.00
tblTripsAndVMT	WorkerTripNumber	74.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblVehicleTrips	WD_TR	68.93	0.00

2.0 Emissions Summary

Annex Operation - Sacramento County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Annex Operation - Sacramento County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.5322	2.1000e-004	0.0235	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004		0.0538
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	0.0000	0.0000	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	5.5322	2.1000e-004	0.0235	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004	0.0000	0.0538

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	5.5322	2.1000e-004	0.0235	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004		0.0538
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	0.0000	0.0000	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	5.5322	2.1000e-004	0.0235	0.0000	0.0000	8.0000e-005	8.0000e-005	0.0000	8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004	0.0000	0.0538

Annex Operation - Sacramento County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/28/2019	6/27/2019	5	0	
2	Site Preparation	Site Preparation	7/26/2019	7/25/2019	5	0	
3	Grading	Grading	8/9/2019	8/8/2019	5	0	
4	Building Construction	Building Construction	9/6/2019	9/5/2019	5	0	
5	Paving	Paving	7/24/2020	7/23/2020	5	0	
6	Architectural Coating	Architectural Coating	8/21/2020	8/20/2020	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Annex Operation - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Demolition	Excavators	0	8.00	158	0.38
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Grading	Excavators	0	8.00	158	0.38
Building Construction	Cranes	0	7.00	231	0.29
Building Construction	Forklifts	0	8.00	89	0.20
Building Construction	Generator Sets	0	8.00	84	0.74
Paving	Pavers	0	8.00	130	0.42
Paving	Rollers	0	8.00	80	0.38
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Grading	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Grading	Graders	0	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Paving	Paving Equipment	0	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Building Construction	Welders	0	8.00	46	0.45

Trips and VMT

Annex Operation - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.2 Demolition - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.2 Demolition - 2019

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.3 Site Preparation - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.3 Site Preparation - 2019

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.4 Grading - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.4 Grading - 2019

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2019

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.5 Building Construction - 2019

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.5 Building Construction - 2019

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2020

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.6 Paving - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.6 Paving - 2020

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2020

Unmitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.7 Architectural Coating - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Annex Operation - Sacramento County, Summer

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	0.0000	0.0000

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Annex Operation - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government Office Building	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government Office Building	10.00	5.00	6.50	33.00	62.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government Office Building	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

Annex Operation - Sacramento County, Summer

5.1 Mitigation Measures Energy

Exceed Title 24

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	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

Annex Operation - Sacramento County, Summer

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					
Government 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
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

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					
Government 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
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

6.0 Area Detail**6.1 Mitigation Measures Area**

Annex Operation - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.5322	2.1000e-004	0.0235	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004		0.0538
Unmitigated	5.5322	2.1000e-004	0.0235	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004		0.0538

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9434					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1700e-003	2.1000e-004	0.0235	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004		0.0538
Total	5.5323	2.1000e-004	0.0235	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004		0.0538

Annex Operation - Sacramento County, Summer

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.5867					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.9434					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.1700e-003	2.1000e-004	0.0235	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004		0.0538
Total	5.5323	2.1000e-004	0.0235	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		0.0506	0.0506	1.3000e-004		0.0538

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

Annex Operation - Sacramento County, Summer

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Underground Parking - Sacramento County, Annual

Underground Parking

Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	200.00	Space	1.80	80,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	529.47	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Underground Parking - Sacramento County, Annual

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use -

Construction Phase - Construction schedule adjusted proportionally based on default values to match schedule provided in project description

Trips and VMT - Truck hauling of excavated material calculated off model

Demolition -

Vehicle Trips -

Energy Use - Electricity consumption adjusted to meet 2019 California Energy Code (30% reduction for nonresidential buildings).

Energy Mitigation - 100% renewable electricity provided through purchase agreement with SMUD; 15% exceedance of 2019 California Energy Code per EO B-18-12

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	NumDays	4.00	7.00
tblConstructionPhase	NumDays	200.00	372.00
tblConstructionPhase	NumDays	10.00	19.00
tblConstructionPhase	NumDays	10.00	19.00
tblEnergyUse	T24E	3.92	2.74
tblGrading	AcresOfGrading	2.63	1.50
tblGrading	AcresOfGrading	2.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	721.00	729.00

2.0 Emissions Summary

Underground Parking - Sacramento County, Annual

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					
2024	0.2000	1.6827	1.7468	3.7300e-003	0.1521	0.0627	0.2148	0.0386	0.0601	0.0987	0.0000	320.6615	320.6615	0.0482	0.0000	321.8651
2025	0.1327	0.9696	1.1564	2.3100e-003	0.0271	0.0341	0.0612	7.3500e-003	0.0328	0.0401	0.0000	195.7551	195.7551	0.0286	0.0000	196.4699
Maximum	0.2000	1.6827	1.7468	3.7300e-003	0.1521	0.0627	0.2148	0.0386	0.0601	0.0987	0.0000	320.6615	320.6615	0.0482	0.0000	321.8651

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					
2024	0.2000	1.6827	1.7468	3.7300e-003	0.1521	0.0627	0.2148	0.0386	0.0601	0.0987	0.0000	320.6612	320.6612	0.0482	0.0000	321.8648
2025	0.1327	0.9696	1.1564	2.3100e-003	0.0271	0.0341	0.0612	7.3500e-003	0.0328	0.0401	0.0000	195.7549	195.7549	0.0286	0.0000	196.4697
Maximum	0.2000	1.6827	1.7468	3.7300e-003	0.1521	0.0627	0.2148	0.0386	0.0601	0.0987	0.0000	320.6612	320.6612	0.0482	0.0000	321.8648

[illegible]

Underground Parking - Sacramento County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.5316	0.5316
2	4-1-2024	6-30-2024	0.4455	0.4455
3	7-1-2024	9-30-2024	0.4504	0.4504
4	10-1-2024	12-31-2024	0.4509	0.4509
5	1-1-2025	3-31-2025	0.4161	0.4161
6	4-1-2025	6-30-2025	0.4202	0.4202
7	7-1-2025	9-30-2025	0.2609	0.2609
		Highest	0.5316	0.5316

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	6.5200e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	89.9172	89.9172	3.7400e-003	6.8000e-004	90.2131
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.5200e-003	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	89.9222	89.9222	3.7500e-003	6.8000e-004	90.2184

Underground Parking - Sacramento County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.5200e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	82.0207	82.0207	3.4100e-003	6.2000e-004	82.2905
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.5200e-003	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	82.0256	82.0256	3.4200e-003	6.2000e-004	82.2958

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.78	8.78	8.80	8.82	8.78

3.0 Construction Detail**Construction Phase**

Underground Parking - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	2/20/2024	5	37	
2	Site Preparation	Site Preparation	2/21/2024	2/26/2024	5	4	
3	Grading	Grading	2/27/2024	3/6/2024	5	7	
4	Building Construction	Building Construction	3/7/2024	8/8/2025	5	372	
5	Paving	Paving	8/9/2025	9/4/2025	5	19	
6	Architectural Coating	Architectural Coating	9/5/2025	10/1/2025	5	19	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 4,800
(Architectural Coating – sqft)

OffRoad Equipment

Underground Parking - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Underground Parking - Sacramento County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	729.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	34.00	13.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					
Fugitive Dust					0.0813	0.0000	0.0813	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2569	0.2495	4.5000e-004		0.0117	0.0117		0.0109	0.0109	0.0000	39.0194	39.0194	9.8800e-003	0.0000	39.2663
Total	0.0266	0.2569	0.2495	4.5000e-004	0.0813	0.0117	0.0930	0.0123	0.0109	0.0232	0.0000	39.0194	39.0194	9.8800e-003	0.0000	39.2663

Underground Parking - Sacramento County, Annual

3.2 Demolition - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8200e-003	0.0657	0.0187	2.7000e-004	6.1400e-003	1.5000e-004	6.2900e-003	1.6900e-003	1.4000e-004	1.8300e-003	0.0000	26.4019	26.4019	1.4500e-003	0.0000	26.4383
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.0000e-004	4.7600e-003	1.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3483	1.3483	3.0000e-005	0.0000	1.3490
Total	2.5000e-003	0.0661	0.0234	2.8000e-004	7.9100e-003	1.6000e-004	8.0700e-003	2.1600e-003	1.5000e-004	2.3100e-003	0.0000	27.7503	27.7503	1.4800e-003	0.0000	27.7873

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0813	0.0000	0.0813	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2569	0.2495	4.5000e-004		0.0117	0.0117		0.0109	0.0109	0.0000	39.0193	39.0193	9.8800e-003	0.0000	39.2662
Total	0.0266	0.2569	0.2495	4.5000e-004	0.0813	0.0117	0.0930	0.0123	0.0109	0.0232	0.0000	39.0193	39.0193	9.8800e-003	0.0000	39.2662

Underground Parking - Sacramento County, Annual

3.2 Demolition - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8200e-003	0.0657	0.0187	2.7000e-004	6.1400e-003	1.5000e-004	6.2900e-003	1.6900e-003	1.4000e-004	1.8300e-003	0.0000	26.4019	26.4019	1.4500e-003	0.0000	26.4383
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.0000e-004	4.7600e-003	1.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3483	1.3483	3.0000e-005	0.0000	1.3490
Total	2.5000e-003	0.0661	0.0234	2.8000e-004	7.9100e-003	1.6000e-004	8.0700e-003	2.1600e-003	1.5000e-004	2.3100e-003	0.0000	27.7503	27.7503	1.4800e-003	0.0000	27.7873

3.3 Site Preparation - 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					
Fugitive Dust					0.0111	0.0000	0.0111	5.8500e-003	0.0000	5.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2100e-003	0.0237	0.0133	3.0000e-005		9.6000e-004	9.6000e-004		8.9000e-004	8.9000e-004	0.0000	3.0225	3.0225	9.8000e-004	0.0000	3.0470
Total	2.2100e-003	0.0237	0.0133	3.0000e-005	0.0111	9.6000e-004	0.0120	5.8500e-003	8.9000e-004	6.7400e-003	0.0000	3.0225	3.0225	9.8000e-004	0.0000	3.0470

Underground Parking - Sacramento County, Annual

3.3 Site Preparation - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0897	0.0897	0.0000	0.0000	0.0898
Total	5.0000e-005	3.0000e-005	3.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0897	0.0897	0.0000	0.0000	0.0898

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0111	0.0000	0.0111	5.8500e-003	0.0000	5.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2100e-003	0.0237	0.0133	3.0000e-005		9.6000e-004	9.6000e-004		8.9000e-004	8.9000e-004	0.0000	3.0225	3.0225	9.8000e-004	0.0000	3.0470
Total	2.2100e-003	0.0237	0.0133	3.0000e-005	0.0111	9.6000e-004	0.0120	5.8500e-003	8.9000e-004	6.7400e-003	0.0000	3.0225	3.0225	9.8000e-004	0.0000	3.0470

Underground Parking - Sacramento County, Annual

3.3 Site Preparation - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0897	0.0897	0.0000	0.0000	0.0898
Total	5.0000e-005	3.0000e-005	3.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0897	0.0897	0.0000	0.0000	0.0898

3.4 Grading - 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					
Fugitive Dust					0.0166	0.0000	0.0166	8.7800e-003	0.0000	8.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-003	0.0341	0.0194	5.0000e-005		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	4.3330	4.3330	1.4000e-003	0.0000	4.3680
Total	3.2000e-003	0.0341	0.0194	5.0000e-005	0.0166	1.4000e-003	0.0180	8.7800e-003	1.2900e-003	0.0101	0.0000	4.3330	4.3330	1.4000e-003	0.0000	4.3680

Underground Parking - Sacramento County, Annual

3.4 Grading - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	5.5000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1570	0.1570	0.0000	0.0000	0.1571
Total	8.0000e-005	5.0000e-005	5.5000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1570	0.1570	0.0000	0.0000	0.1571

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0166	0.0000	0.0166	8.7800e-003	0.0000	8.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-003	0.0341	0.0194	5.0000e-005		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	4.3330	4.3330	1.4000e-003	0.0000	4.3680
Total	3.2000e-003	0.0341	0.0194	5.0000e-005	0.0166	1.4000e-003	0.0180	8.7800e-003	1.2900e-003	0.0101	0.0000	4.3330	4.3330	1.4000e-003	0.0000	4.3680

Underground Parking - Sacramento County, Annual

3.4 Grading - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	5.5000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1570	0.1570	0.0000	0.0000	0.1571
Total	8.0000e-005	5.0000e-005	5.5000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1570	0.1570	0.0000	0.0000	0.1571

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1519	1.1838	1.3393	2.3600e-003		0.0482	0.0482		0.0465	0.0465	0.0000	194.3241	194.3241	0.0324	0.0000	195.1331
Total	0.1519	1.1838	1.3393	2.3600e-003		0.0482	0.0482		0.0465	0.0465	0.0000	194.3241	194.3241	0.0324	0.0000	195.1331

Underground Parking - Sacramento County, Annual

3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0600e-003	0.1120	0.0290	3.3000e-004	8.1300e-003	1.6000e-004	8.2900e-003	2.3500e-003	1.5000e-004	2.5000e-003	0.0000	31.5698	31.5698	1.6100e-003	0.0000	31.6100
Worker	0.0104	6.0200e-003	0.0720	2.3000e-004	0.0267	1.7000e-004	0.0269	7.1100e-003	1.6000e-004	7.2700e-003	0.0000	20.3957	20.3957	4.4000e-004	0.0000	20.4067
Total	0.0134	0.1180	0.1010	5.6000e-004	0.0349	3.3000e-004	0.0352	9.4600e-003	3.1000e-004	9.7700e-003	0.0000	51.9656	51.9656	2.0500e-003	0.0000	52.0167

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1519	1.1838	1.3393	2.3600e-003		0.0482	0.0482		0.0465	0.0465	0.0000	194.3238	194.3238	0.0324	0.0000	195.1329
Total	0.1519	1.1838	1.3393	2.3600e-003		0.0482	0.0482		0.0465	0.0465	0.0000	194.3238	194.3238	0.0324	0.0000	195.1329

Underground Parking - Sacramento County, Annual

3.5 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0600e-003	0.1120	0.0290	3.3000e-004	8.1300e-003	1.6000e-004	8.2900e-003	2.3500e-003	1.5000e-004	2.5000e-003	0.0000	31.5698	31.5698	1.6100e-003	0.0000	31.6100
Worker	0.0104	6.0200e-003	0.0720	2.3000e-004	0.0267	1.7000e-004	0.0269	7.1100e-003	1.6000e-004	7.2700e-003	0.0000	20.3957	20.3957	4.4000e-004	0.0000	20.4067
Total	0.0134	0.1180	0.1010	5.6000e-004	0.0349	3.3000e-004	0.0352	9.4600e-003	3.1000e-004	9.7700e-003	0.0000	51.9656	51.9656	2.0500e-003	0.0000	52.0167

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1046	0.8226	0.9827	1.7400e-003		0.0310	0.0310		0.0299	0.0299	0.0000	143.4895	143.4895	0.0234	0.0000	144.0751
Total	0.1046	0.8226	0.9827	1.7400e-003		0.0310	0.0310		0.0299	0.0299	0.0000	143.4895	143.4895	0.0234	0.0000	144.0751

Underground Parking - Sacramento County, Annual

3.5 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.1700e-003	0.0812	0.0203	2.4000e-004	6.0000e-003	1.1000e-004	6.1100e-003	1.7300e-003	1.0000e-004	1.8400e-003	0.0000	23.1770	23.1770	1.1700e-003	0.0000	23.2063
Worker	7.2200e-003	4.0400e-003	0.0492	1.6000e-004	0.0197	1.3000e-004	0.0199	5.2500e-003	1.2000e-004	5.3600e-003	0.0000	14.4557	14.4557	2.9000e-004	0.0000	14.4629
Total	9.3900e-003	0.0852	0.0695	4.0000e-004	0.0257	2.4000e-004	0.0260	6.9800e-003	2.2000e-004	7.2000e-003	0.0000	37.6327	37.6327	1.4600e-003	0.0000	37.6693

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1046	0.8226	0.9827	1.7400e-003		0.0310	0.0310		0.0299	0.0299	0.0000	143.4893	143.4893	0.0234	0.0000	144.0750
Total	0.1046	0.8226	0.9827	1.7400e-003		0.0310	0.0310		0.0299	0.0299	0.0000	143.4893	143.4893	0.0234	0.0000	144.0750

Underground Parking - Sacramento County, Annual

3.5 Building Construction - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.1700e-003	0.0812	0.0203	2.4000e-004	6.0000e-003	1.1000e-004	6.1100e-003	1.7300e-003	1.0000e-004	1.8400e-003	0.0000	23.1770	23.1770	1.1700e-003	0.0000	23.2063
Worker	7.2200e-003	4.0400e-003	0.0492	1.6000e-004	0.0197	1.3000e-004	0.0199	5.2500e-003	1.2000e-004	5.3600e-003	0.0000	14.4557	14.4557	2.9000e-004	0.0000	14.4629
Total	9.3900e-003	0.0852	0.0695	4.0000e-004	0.0257	2.4000e-004	0.0260	6.9800e-003	2.2000e-004	7.2000e-003	0.0000	37.6327	37.6327	1.4600e-003	0.0000	37.6693

3.6 Paving - 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	5.4500e-003	0.0506	0.0836	1.3000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	11.1849	11.1849	3.5500e-003	0.0000	11.2735
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.4500e-003	0.0506	0.0836	1.3000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	11.1849	11.1849	3.5500e-003	0.0000	11.2735

Underground Parking - Sacramento County, Annual

3.6 Paving - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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-004	1.9000e-004	2.2600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6647	0.6647	1.0000e-005	0.0000	0.6650
Total	3.3000e-004	1.9000e-004	2.2600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6647	0.6647	1.0000e-005	0.0000	0.6650

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4500e-003	0.0506	0.0836	1.3000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	11.1848	11.1848	3.5500e-003	0.0000	11.2735
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.4500e-003	0.0506	0.0836	1.3000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	11.1848	11.1848	3.5500e-003	0.0000	11.2735

Underground Parking - Sacramento County, Annual

3.6 Paving - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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-004	1.9000e-004	2.2600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6647	0.6647	1.0000e-005	0.0000	0.6650
Total	3.3000e-004	1.9000e-004	2.2600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6647	0.6647	1.0000e-005	0.0000	0.6650

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	0.0127	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Underground Parking - Sacramento County, Annual

3.7 Architectural Coating - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.8000e-004	1.0000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3579	0.3579	1.0000e-005	0.0000	0.3581
Total	1.8000e-004	1.0000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3579	0.3579	1.0000e-005	0.0000	0.3581

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	0.0127	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Underground Parking - Sacramento County, Annual

3.7 Architectural Coating - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.8000e-004	1.0000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3579	0.3579	1.0000e-005	0.0000	0.3581
Total	1.8000e-004	1.0000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3579	0.3579	1.0000e-005	0.0000	0.3581

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Underground Parking - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

Underground Parking - Sacramento County, Annual

5.1 Mitigation Measures Energy

Exceed Title 24

[illegible]

Underground Parking - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Underground Parking - Sacramento County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	374400	89.9172	3.7400e-003	6.8000e-004	90.2131
Total		89.9172	3.7400e-003	6.8000e-004	90.2131

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	341520	82.0207	3.4100e-003	6.2000e-004	82.2905
Total		82.0207	3.4100e-003	6.2000e-004	82.2905

6.0 Area Detail**6.1 Mitigation Measures Area**

Underground Parking - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.5200e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Unmitigated	6.5200e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Total	6.5100e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003

Underground Parking - Sacramento County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Total	6.5100e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Underground Parking - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Underground Parking - Sacramento County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail**8.1 Mitigation Measures Waste****Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Underground Parking - Sacramento County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Underground Parking - Sacramento County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Underground Parking - Sacramento County, Annual

Underground Parking
Sacramento County, Annual**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	200.00	Space	1.80	80,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	529.47	CH4 Intensity (lb/MWhr)	0.022	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Underground Parking - Sacramento County, Annual

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use -

Construction Phase - Construction schedule adjusted proportionally based on default values to match schedule provided in project description

Demolition -

Trips and VMT - Truck hauling of excavated material calculated off model

Vehicle Trips -

Energy Use - Electricity consumption adjusted to meet 2019 California Energy Code (30% reduction for nonresidential buildings).

Energy Mitigation - 100% renewable electricity provided through purchase agreement with SMUD

Water Mitigation -

Waste Mitigation -

Underground Parking - Sacramento County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	19.00
tblConstructionPhase	NumDays	200.00	372.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	4.00	7.00
tblConstructionPhase	NumDays	10.00	19.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	PhaseEndDate	12/9/2024	10/1/2025
tblConstructionPhase	PhaseEndDate	11/11/2024	8/8/2025
tblConstructionPhase	PhaseEndDate	1/26/2024	2/20/2024
tblConstructionPhase	PhaseEndDate	2/5/2024	3/6/2024
tblConstructionPhase	PhaseEndDate	11/25/2024	9/4/2025
tblConstructionPhase	PhaseEndDate	1/30/2024	2/26/2024
tblConstructionPhase	PhaseStartDate	11/26/2024	9/5/2025
tblConstructionPhase	PhaseStartDate	2/6/2024	3/7/2024
tblConstructionPhase	PhaseStartDate	1/31/2024	2/27/2024
tblConstructionPhase	PhaseStartDate	11/12/2024	8/9/2025
tblConstructionPhase	PhaseStartDate	1/27/2024	2/21/2024
tblEnergyUse	T24E	3.92	2.74
tblGrading	AcresOfGrading	2.63	1.50
tblGrading	AcresOfGrading	2.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	721.00	729.00

2.0 Emissions Summary

Underground Parking - Sacramento County, Annual

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					
2024	0.2000	1.6827	1.7468	3.7300e-003	0.1521	0.0627	0.2148	0.0386	0.0601	0.0987	0.0000	320.6615	320.6615	0.0482	0.0000	321.8651
2025	0.1327	0.9696	1.1564	2.3100e-003	0.0271	0.0341	0.0612	7.3500e-003	0.0328	0.0401	0.0000	195.7551	195.7551	0.0286	0.0000	196.4699
Maximum	0.2000	1.6827	1.7468	3.7300e-003	0.1521	0.0627	0.2148	0.0386	0.0601	0.0987	0.0000	320.6615	320.6615	0.0482	0.0000	321.8651

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					
2024	0.2000	1.6827	1.7468	3.7300e-003	0.1521	0.0627	0.2148	0.0386	0.0601	0.0987	0.0000	320.6612	320.6612	0.0482	0.0000	321.8648
2025	0.1327	0.9696	1.1564	2.3100e-003	0.0271	0.0341	0.0612	7.3500e-003	0.0328	0.0401	0.0000	195.7549	195.7549	0.0286	0.0000	196.4697
Maximum	0.2000	1.6827	1.7468	3.7300e-003	0.1521	0.0627	0.2148	0.0386	0.0601	0.0987	0.0000	320.6612	320.6612	0.0482	0.0000	321.8648

[illegible]

Underground Parking - Sacramento County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.5316	0.5316
2	4-1-2024	6-30-2024	0.4455	0.4455
3	7-1-2024	9-30-2024	0.4504	0.4504
4	10-1-2024	12-31-2024	0.4509	0.4509
5	1-1-2025	3-31-2025	0.4161	0.4161
6	4-1-2025	6-30-2025	0.4202	0.4202
7	7-1-2025	9-30-2025	0.2609	0.2609
		Highest	0.5316	0.5316

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	6.5200e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	89.9941	89.9941	3.7400e-003	6.8000e-004	90.2902
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.5200e-003	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	89.9991	89.9991	3.7500e-003	6.8000e-004	90.2955

Underground Parking - Sacramento County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	6.5200e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
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	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.5200e-003	2.0000e-005	2.5500e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.99	99.99	99.73	100.00	99.99

3.0 Construction Detail**Construction Phase**

Underground Parking - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	2/20/2024	5	37	
2	Site Preparation	Site Preparation	2/21/2024	2/26/2024	5	4	
3	Grading	Grading	2/27/2024	3/6/2024	5	7	
4	Building Construction	Building Construction	3/7/2024	8/8/2025	5	372	
5	Paving	Paving	8/9/2025	9/4/2025	5	19	
6	Architectural Coating	Architectural Coating	9/5/2025	10/1/2025	5	19	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 4,800
(Architectural Coating – sqft)

OffRoad Equipment

Underground Parking - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Underground Parking - Sacramento County, Annual

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	7.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	34.00	13.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	729.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					
Fugitive Dust					0.0813	0.0000	0.0813	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2569	0.2495	4.5000e-004		0.0117	0.0117		0.0109	0.0109	0.0000	39.0194	39.0194	9.8800e-003	0.0000	39.2663
Total	0.0266	0.2569	0.2495	4.5000e-004	0.0813	0.0117	0.0930	0.0123	0.0109	0.0232	0.0000	39.0194	39.0194	9.8800e-003	0.0000	39.2663

Underground Parking - Sacramento County, Annual

3.2 Demolition - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8200e-003	0.0657	0.0187	2.7000e-004	6.1400e-003	1.5000e-004	6.2900e-003	1.6900e-003	1.4000e-004	1.8300e-003	0.0000	26.4019	26.4019	1.4500e-003	0.0000	26.4383
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.0000e-004	4.7600e-003	1.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3483	1.3483	3.0000e-005	0.0000	1.3490
Total	2.5000e-003	0.0661	0.0234	2.8000e-004	7.9100e-003	1.6000e-004	8.0700e-003	2.1600e-003	1.5000e-004	2.3100e-003	0.0000	27.7503	27.7503	1.4800e-003	0.0000	27.7873

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0813	0.0000	0.0813	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.2569	0.2495	4.5000e-004		0.0117	0.0117		0.0109	0.0109	0.0000	39.0193	39.0193	9.8800e-003	0.0000	39.2662
Total	0.0266	0.2569	0.2495	4.5000e-004	0.0813	0.0117	0.0930	0.0123	0.0109	0.0232	0.0000	39.0193	39.0193	9.8800e-003	0.0000	39.2662

Underground Parking - Sacramento County, Annual

3.2 Demolition - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.8200e-003	0.0657	0.0187	2.7000e-004	6.1400e-003	1.5000e-004	6.2900e-003	1.6900e-003	1.4000e-004	1.8300e-003	0.0000	26.4019	26.4019	1.4500e-003	0.0000	26.4383
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.0000e-004	4.7600e-003	1.0000e-005	1.7700e-003	1.0000e-005	1.7800e-003	4.7000e-004	1.0000e-005	4.8000e-004	0.0000	1.3483	1.3483	3.0000e-005	0.0000	1.3490
Total	2.5000e-003	0.0661	0.0234	2.8000e-004	7.9100e-003	1.6000e-004	8.0700e-003	2.1600e-003	1.5000e-004	2.3100e-003	0.0000	27.7503	27.7503	1.4800e-003	0.0000	27.7873

3.3 Site Preparation - 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					
Fugitive Dust					0.0111	0.0000	0.0111	5.8500e-003	0.0000	5.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2100e-003	0.0237	0.0133	3.0000e-005		9.6000e-004	9.6000e-004		8.9000e-004	8.9000e-004	0.0000	3.0225	3.0225	9.8000e-004	0.0000	3.0470
Total	2.2100e-003	0.0237	0.0133	3.0000e-005	0.0111	9.6000e-004	0.0120	5.8500e-003	8.9000e-004	6.7400e-003	0.0000	3.0225	3.0225	9.8000e-004	0.0000	3.0470

Underground Parking - Sacramento County, Annual

3.3 Site Preparation - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0897	0.0897	0.0000	0.0000	0.0898
Total	5.0000e-005	3.0000e-005	3.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0897	0.0897	0.0000	0.0000	0.0898

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0111	0.0000	0.0111	5.8500e-003	0.0000	5.8500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2100e-003	0.0237	0.0133	3.0000e-005		9.6000e-004	9.6000e-004		8.9000e-004	8.9000e-004	0.0000	3.0225	3.0225	9.8000e-004	0.0000	3.0470
Total	2.2100e-003	0.0237	0.0133	3.0000e-005	0.0111	9.6000e-004	0.0120	5.8500e-003	8.9000e-004	6.7400e-003	0.0000	3.0225	3.0225	9.8000e-004	0.0000	3.0470

Underground Parking - Sacramento County, Annual

3.3 Site Preparation - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0897	0.0897	0.0000	0.0000	0.0898
Total	5.0000e-005	3.0000e-005	3.2000e-004	0.0000	1.2000e-004	0.0000	1.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0897	0.0897	0.0000	0.0000	0.0898

3.4 Grading - 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					
Fugitive Dust					0.0166	0.0000	0.0166	8.7800e-003	0.0000	8.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-003	0.0341	0.0194	5.0000e-005		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	4.3330	4.3330	1.4000e-003	0.0000	4.3680
Total	3.2000e-003	0.0341	0.0194	5.0000e-005	0.0166	1.4000e-003	0.0180	8.7800e-003	1.2900e-003	0.0101	0.0000	4.3330	4.3330	1.4000e-003	0.0000	4.3680

Underground Parking - Sacramento County, Annual

3.4 Grading - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	5.5000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1570	0.1570	0.0000	0.0000	0.1571
Total	8.0000e-005	5.0000e-005	5.5000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1570	0.1570	0.0000	0.0000	0.1571

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0166	0.0000	0.0166	8.7800e-003	0.0000	8.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2000e-003	0.0341	0.0194	5.0000e-005		1.4000e-003	1.4000e-003		1.2900e-003	1.2900e-003	0.0000	4.3330	4.3330	1.4000e-003	0.0000	4.3680
Total	3.2000e-003	0.0341	0.0194	5.0000e-005	0.0166	1.4000e-003	0.0180	8.7800e-003	1.2900e-003	0.0101	0.0000	4.3330	4.3330	1.4000e-003	0.0000	4.3680

Underground Parking - Sacramento County, Annual

3.4 Grading - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	5.5000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1570	0.1570	0.0000	0.0000	0.1571
Total	8.0000e-005	5.0000e-005	5.5000e-004	0.0000	2.1000e-004	0.0000	2.1000e-004	5.0000e-005	0.0000	6.0000e-005	0.0000	0.1570	0.1570	0.0000	0.0000	0.1571

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1519	1.1838	1.3393	2.3600e-003		0.0482	0.0482		0.0465	0.0465	0.0000	194.3241	194.3241	0.0324	0.0000	195.1331
Total	0.1519	1.1838	1.3393	2.3600e-003		0.0482	0.0482		0.0465	0.0465	0.0000	194.3241	194.3241	0.0324	0.0000	195.1331

Underground Parking - Sacramento County, Annual

3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0600e-003	0.1120	0.0290	3.3000e-004	8.1300e-003	1.6000e-004	8.2900e-003	2.3500e-003	1.5000e-004	2.5000e-003	0.0000	31.5698	31.5698	1.6100e-003	0.0000	31.6100
Worker	0.0104	6.0200e-003	0.0720	2.3000e-004	0.0267	1.7000e-004	0.0269	7.1100e-003	1.6000e-004	7.2700e-003	0.0000	20.3957	20.3957	4.4000e-004	0.0000	20.4067
Total	0.0134	0.1180	0.1010	5.6000e-004	0.0349	3.3000e-004	0.0352	9.4600e-003	3.1000e-004	9.7700e-003	0.0000	51.9656	51.9656	2.0500e-003	0.0000	52.0167

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1519	1.1838	1.3393	2.3600e-003		0.0482	0.0482		0.0465	0.0465	0.0000	194.3238	194.3238	0.0324	0.0000	195.1329
Total	0.1519	1.1838	1.3393	2.3600e-003		0.0482	0.0482		0.0465	0.0465	0.0000	194.3238	194.3238	0.0324	0.0000	195.1329

Underground Parking - Sacramento County, Annual

3.5 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0600e-003	0.1120	0.0290	3.3000e-004	8.1300e-003	1.6000e-004	8.2900e-003	2.3500e-003	1.5000e-004	2.5000e-003	0.0000	31.5698	31.5698	1.6100e-003	0.0000	31.6100
Worker	0.0104	6.0200e-003	0.0720	2.3000e-004	0.0267	1.7000e-004	0.0269	7.1100e-003	1.6000e-004	7.2700e-003	0.0000	20.3957	20.3957	4.4000e-004	0.0000	20.4067
Total	0.0134	0.1180	0.1010	5.6000e-004	0.0349	3.3000e-004	0.0352	9.4600e-003	3.1000e-004	9.7700e-003	0.0000	51.9656	51.9656	2.0500e-003	0.0000	52.0167

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1046	0.8226	0.9827	1.7400e-003		0.0310	0.0310		0.0299	0.0299	0.0000	143.4895	143.4895	0.0234	0.0000	144.0751
Total	0.1046	0.8226	0.9827	1.7400e-003		0.0310	0.0310		0.0299	0.0299	0.0000	143.4895	143.4895	0.0234	0.0000	144.0751

Underground Parking - Sacramento County, Annual

3.5 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.1700e-003	0.0812	0.0203	2.4000e-004	6.0000e-003	1.1000e-004	6.1100e-003	1.7300e-003	1.0000e-004	1.8400e-003	0.0000	23.1770	23.1770	1.1700e-003	0.0000	23.2063
Worker	7.2200e-003	4.0400e-003	0.0492	1.6000e-004	0.0197	1.3000e-004	0.0199	5.2500e-003	1.2000e-004	5.3600e-003	0.0000	14.4557	14.4557	2.9000e-004	0.0000	14.4629
Total	9.3900e-003	0.0852	0.0695	4.0000e-004	0.0257	2.4000e-004	0.0260	6.9800e-003	2.2000e-004	7.2000e-003	0.0000	37.6327	37.6327	1.4600e-003	0.0000	37.6693

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1046	0.8226	0.9827	1.7400e-003		0.0310	0.0310		0.0299	0.0299	0.0000	143.4893	143.4893	0.0234	0.0000	144.0750
Total	0.1046	0.8226	0.9827	1.7400e-003		0.0310	0.0310		0.0299	0.0299	0.0000	143.4893	143.4893	0.0234	0.0000	144.0750

Underground Parking - Sacramento County, Annual

3.5 Building Construction - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	2.1700e-003	0.0812	0.0203	2.4000e-004	6.0000e-003	1.1000e-004	6.1100e-003	1.7300e-003	1.0000e-004	1.8400e-003	0.0000	23.1770	23.1770	1.1700e-003	0.0000	23.2063
Worker	7.2200e-003	4.0400e-003	0.0492	1.6000e-004	0.0197	1.3000e-004	0.0199	5.2500e-003	1.2000e-004	5.3600e-003	0.0000	14.4557	14.4557	2.9000e-004	0.0000	14.4629
Total	9.3900e-003	0.0852	0.0695	4.0000e-004	0.0257	2.4000e-004	0.0260	6.9800e-003	2.2000e-004	7.2000e-003	0.0000	37.6327	37.6327	1.4600e-003	0.0000	37.6693

3.6 Paving - 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	5.4500e-003	0.0506	0.0836	1.3000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	11.1849	11.1849	3.5500e-003	0.0000	11.2735
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.4500e-003	0.0506	0.0836	1.3000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	11.1849	11.1849	3.5500e-003	0.0000	11.2735

Underground Parking - Sacramento County, Annual

3.6 Paving - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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-004	1.9000e-004	2.2600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6647	0.6647	1.0000e-005	0.0000	0.6650
Total	3.3000e-004	1.9000e-004	2.2600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6647	0.6647	1.0000e-005	0.0000	0.6650

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4500e-003	0.0506	0.0836	1.3000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	11.1848	11.1848	3.5500e-003	0.0000	11.2735
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	5.4500e-003	0.0506	0.0836	1.3000e-004		2.3400e-003	2.3400e-003		2.1600e-003	2.1600e-003	0.0000	11.1848	11.1848	3.5500e-003	0.0000	11.2735

Underground Parking - Sacramento County, Annual

3.6 Paving - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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-004	1.9000e-004	2.2600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6647	0.6647	1.0000e-005	0.0000	0.6650
Total	3.3000e-004	1.9000e-004	2.2600e-003	1.0000e-005	9.1000e-004	1.0000e-005	9.1000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.6647	0.6647	1.0000e-005	0.0000	0.6650

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	0.0127	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Underground Parking - Sacramento County, Annual

3.7 Architectural Coating - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.8000e-004	1.0000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3579	0.3579	1.0000e-005	0.0000	0.3581
Total	1.8000e-004	1.0000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3579	0.3579	1.0000e-005	0.0000	0.3581

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289
Total	0.0127	0.0109	0.0172	3.0000e-005		4.9000e-004	4.9000e-004		4.9000e-004	4.9000e-004	0.0000	2.4256	2.4256	1.3000e-004	0.0000	2.4289

Underground Parking - Sacramento County, Annual

3.7 Architectural Coating - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.8000e-004	1.0000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3579	0.3579	1.0000e-005	0.0000	0.3581
Total	1.8000e-004	1.0000e-004	1.2200e-003	0.0000	4.9000e-004	0.0000	4.9000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3579	0.3579	1.0000e-005	0.0000	0.3581

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Underground Parking - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

Underground Parking - Sacramento County, Annual

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

[illegible]

Underground Parking - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Underground Parking - Sacramento County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	374720	89.9941	3.7400e-003	6.8000e-004	90.2902
Total		89.9941	3.7400e-003	6.8000e-004	90.2902

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

Underground Parking - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	6.5200e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Unmitigated	6.5200e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Total	6.5100e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003

Underground Parking - Sacramento County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.1700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003
Total	6.5100e-003	2.0000e-005	2.5500e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.9600e-003	4.9600e-003	1.0000e-005	0.0000	5.2900e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Underground Parking - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Underground Parking - Sacramento County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Underground Parking - Sacramento County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Underground Parking - Sacramento County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Underground Parking - Sacramento County, Summer

Underground Parking
Sacramento County, Summer**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	200.00	Space	1.80	80,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2026
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	529.47	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Underground Parking - Sacramento County, Summer

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use -

Construction Phase - Construction schedule adjusted proportionally based on default values to match schedule provided in project description

Demolition -

Trips and VMT - Truck hauling of excavated material calculated off model

Vehicle Trips -

Energy Use - Electricity consumption adjusted to meet 2019 California Energy Code (30% reduction for nonresidential buildings).

Energy Mitigation - 100% renewable electricity provided through purchase agreement with SMUD

Water Mitigation -

Waste Mitigation -

Underground Parking - Sacramento County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	19.00
tblConstructionPhase	NumDays	200.00	372.00
tblConstructionPhase	NumDays	20.00	37.00
tblConstructionPhase	NumDays	4.00	7.00
tblConstructionPhase	NumDays	10.00	19.00
tblConstructionPhase	NumDays	2.00	4.00
tblConstructionPhase	PhaseEndDate	12/9/2024	10/1/2025
tblConstructionPhase	PhaseEndDate	11/11/2024	8/8/2025
tblConstructionPhase	PhaseEndDate	1/26/2024	2/20/2024
tblConstructionPhase	PhaseEndDate	2/5/2024	3/6/2024
tblConstructionPhase	PhaseEndDate	11/25/2024	9/4/2025
tblConstructionPhase	PhaseEndDate	1/30/2024	2/26/2024
tblConstructionPhase	PhaseStartDate	11/26/2024	9/5/2025
tblConstructionPhase	PhaseStartDate	2/6/2024	3/7/2024
tblConstructionPhase	PhaseStartDate	1/31/2024	2/27/2024
tblConstructionPhase	PhaseStartDate	11/12/2024	8/9/2025
tblConstructionPhase	PhaseStartDate	1/27/2024	2/21/2024
tblEnergyUse	T24E	3.92	2.74
tblGrading	AcresOfGrading	2.63	1.50
tblGrading	AcresOfGrading	2.00	1.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	721.00	729.00

2.0 Emissions Summary

Underground Parking - Sacramento County, Summer

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					
2024	1.5794	17.3638	14.7791	0.0398	5.5953	0.6395	6.0779	2.9412	0.5974	3.3852	0.0000	3,997.3236	3,997.3236	0.6755	0.0000	4,014.2101
2025	1.4569	11.4736	13.4224	0.0274	0.3368	0.3954	0.7322	0.0911	0.3813	0.4724	0.0000	2,552.1476	2,552.1476	0.4132	0.0000	2,560.8297
Maximum	1.5794	17.3638	14.7791	0.0398	5.5953	0.6395	6.0779	2.9412	0.5974	3.3852	0.0000	3,997.3236	3,997.3236	0.6755	0.0000	4,014.2101

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					
2024	1.5794	17.3638	14.7791	0.0398	5.5953	0.6395	6.0779	2.9412	0.5974	3.3852	0.0000	3,997.3236	3,997.3236	0.6755	0.0000	4,014.2101
2025	1.4569	11.4736	13.4224	0.0274	0.3368	0.3954	0.7322	0.0911	0.3813	0.4724	0.0000	2,552.1476	2,552.1476	0.4132	0.0000	2,560.8297
Maximum	1.5794	17.3638	14.7791	0.0398	5.5953	0.6395	6.0779	2.9412	0.5974	3.3852	0.0000	3,997.3236	3,997.3236	0.6755	0.0000	4,014.2101

[illegible]

Underground Parking - Sacramento County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0363	1.8000e-004	0.0204	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
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	0.0000	0.0000	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	0.0363	1.8000e-004	0.0204	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004	0.0000	0.0466

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	0.0363	1.8000e-004	0.0204	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
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	0.0000	0.0000	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	0.0363	1.8000e-004	0.0204	0.0000	0.0000	7.0000e-005	7.0000e-005	0.0000	7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004	0.0000	0.0466

Underground Parking - Sacramento County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2024	2/20/2024	5	37	
2	Site Preparation	Site Preparation	2/21/2024	2/26/2024	5	4	
3	Grading	Grading	2/27/2024	3/6/2024	5	7	
4	Building Construction	Building Construction	3/7/2024	8/8/2025	5	372	
5	Paving	Paving	8/9/2025	9/4/2025	5	19	
6	Architectural Coating	Architectural Coating	9/5/2025	10/1/2025	5	19	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 4,800 (Architectural Coating – sqft)

OffRoad Equipment

Underground Parking - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Underground Parking - Sacramento County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	7.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	34.00	13.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	13.00	0.00	729.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					
Fugitive Dust					4.3969	0.0000	4.3969	0.6657	0.0000	0.6657			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895		2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	4.3969	0.6311	5.0280	0.6657	0.5895	1.2552		2,324.9459	2,324.9459	0.5884		2,339.6562

Underground Parking - Sacramento County, Summer

3.2 Demolition - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0970	3.4576	0.9854	0.0147	0.3424	7.7400e-003	0.3502	0.0937	7.4100e-003	0.1011		1,583.5195	1,583.5195	0.0851		1,585.6475
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0427	0.0195	0.3058	8.9000e-004	0.0989	6.2000e-004	0.0995	0.0262	5.7000e-004	0.0268		88.8583	88.8583	1.9300e-003		88.9064
Total	0.1397	3.4771	1.2912	0.0156	0.4413	8.3600e-003	0.4497	0.1199	7.9800e-003	0.1279		1,672.3778	1,672.3778	0.0871		1,674.5539

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.3969	0.0000	4.3969	0.6657	0.0000	0.6657			0.0000			0.0000
Off-Road	1.4397	13.8867	13.4879	0.0241		0.6311	0.6311		0.5895	0.5895	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562
Total	1.4397	13.8867	13.4879	0.0241	4.3969	0.6311	5.0280	0.6657	0.5895	1.2552	0.0000	2,324.9459	2,324.9459	0.5884		2,339.6562

Underground Parking - Sacramento County, Summer

3.2 Demolition - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0970	3.4576	0.9854	0.0147	0.3424	7.7400e-003	0.3502	0.0937	7.4100e-003	0.1011		1,583.5195	1,583.5195	0.0851		1,585.6475
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0427	0.0195	0.3058	8.9000e-004	0.0989	6.2000e-004	0.0995	0.0262	5.7000e-004	0.0268		88.8583	88.8583	1.9300e-003		88.9064
Total	0.1397	3.4771	1.2912	0.0156	0.4413	8.3600e-003	0.4497	0.1199	7.9800e-003	0.1279		1,672.3778	1,672.3778	0.0871		1,674.5539

3.3 Site Preparation - 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					
Fugitive Dust					5.5345	0.0000	5.5345	2.9251	0.0000	2.9251			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437		1,665.8826	1,665.8826	0.5388		1,679.3521
Total	1.1067	11.8407	6.6317	0.0172	5.5345	0.4823	6.0167	2.9251	0.4437	3.3688		1,665.8826	1,665.8826	0.5388		1,679.3521

Underground Parking - Sacramento County, Summer

3.3 Site Preparation - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0263	0.0120	0.1882	5.5000e-004	0.0609	3.8000e-004	0.0612	0.0161	3.5000e-004	0.0165		54.6820	54.6820	1.1900e-003		54.7117
Total	0.0263	0.0120	0.1882	5.5000e-004	0.0609	3.8000e-004	0.0612	0.0161	3.5000e-004	0.0165		54.6820	54.6820	1.1900e-003		54.7117

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.5345	0.0000	5.5345	2.9251	0.0000	2.9251			0.0000			0.0000
Off-Road	1.1067	11.8407	6.6317	0.0172		0.4823	0.4823		0.4437	0.4437	0.0000	1,665.8826	1,665.8826	0.5388		1,679.3521
Total	1.1067	11.8407	6.6317	0.0172	5.5345	0.4823	6.0167	2.9251	0.4437	3.3688	0.0000	1,665.8826	1,665.8826	0.5388		1,679.3521

Underground Parking - Sacramento County, Summer

3.3 Site Preparation - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0263	0.0120	0.1882	5.5000e-004	0.0609	3.8000e-004	0.0612	0.0161	3.5000e-004	0.0165		54.6820	54.6820	1.1900e-003		54.7117
Total	0.0263	0.0120	0.1882	5.5000e-004	0.0609	3.8000e-004	0.0612	0.0161	3.5000e-004	0.0165		54.6820	54.6820	1.1900e-003		54.7117

3.4 Grading - 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					
Fugitive Dust					4.7438	0.0000	4.7438	2.5072	0.0000	2.5072			0.0000			0.0000
Off-Road	0.9132	9.7297	5.5468	0.0141		0.4001	0.4001		0.3681	0.3681		1,364.662 3	1,364.662 3	0.4414		1,375.696 2
Total	0.9132	9.7297	5.5468	0.0141	4.7438	0.4001	5.1439	2.5072	0.3681	2.8753		1,364.662 3	1,364.662 3	0.4414		1,375.696 2

Underground Parking - Sacramento County, Summer

3.4 Grading - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0263	0.0120	0.1882	5.5000e-004	0.0609	3.8000e-004	0.0612	0.0161	3.5000e-004	0.0165		54.6820	54.6820	1.1900e-003		54.7117
Total	0.0263	0.0120	0.1882	5.5000e-004	0.0609	3.8000e-004	0.0612	0.0161	3.5000e-004	0.0165		54.6820	54.6820	1.1900e-003		54.7117

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					4.7438	0.0000	4.7438	2.5072	0.0000	2.5072			0.0000			0.0000
Off-Road	0.9132	9.7297	5.5468	0.0141		0.4001	0.4001		0.3681	0.3681	0.0000	1,364.662 3	1,364.662 3	0.4414		1,375.696 2
Total	0.9132	9.7297	5.5468	0.0141	4.7438	0.4001	5.1439	2.5072	0.3681	2.8753	0.0000	1,364.662 3	1,364.662 3	0.4414		1,375.696 2

Underground Parking - Sacramento County, Summer

3.4 Grading - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0263	0.0120	0.1882	5.5000e-004	0.0609	3.8000e-004	0.0612	0.0161	3.5000e-004	0.0165		54.6820	54.6820	1.1900e-003		54.7117
Total	0.0263	0.0120	0.1882	5.5000e-004	0.0609	3.8000e-004	0.0612	0.0161	3.5000e-004	0.0165		54.6820	54.6820	1.1900e-003		54.7117

3.5 Building Construction - 2024**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563

Underground Parking - Sacramento County, Summer

3.5 Building Construction - 2024**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	1.0333	0.2547	3.1000e-003	0.0782	1.4100e-003	0.0796	0.0225	1.3500e-003	0.0239		328.7850	328.7850	0.0160		329.1851
Worker	0.1116	0.0511	0.7998	2.3300e-003	0.2586	1.6200e-003	0.2603	0.0686	1.4900e-003	0.0701		232.3985	232.3985	5.0400e-003		232.5245
Total	0.1397	1.0843	1.0545	5.4300e-003	0.3368	3.0300e-003	0.3399	0.0911	2.8400e-003	0.0940		561.1835	561.1835	0.0211		561.7096

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563

Underground Parking - Sacramento County, Summer

3.5 Building Construction - 2024**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0281	1.0333	0.2547	3.1000e-003	0.0782	1.4100e-003	0.0796	0.0225	1.3500e-003	0.0239		328.7850	328.7850	0.0160		329.1851
Worker	0.1116	0.0511	0.7998	2.3300e-003	0.2586	1.6200e-003	0.2603	0.0686	1.4900e-003	0.0701		232.3985	232.3985	5.0400e-003		232.5245
Total	0.1397	1.0843	1.0545	5.4300e-003	0.3368	3.0300e-003	0.3399	0.0911	2.8400e-003	0.0940		561.1835	561.1835	0.0211		561.7096

3.5 Building Construction - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248
Total	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785		2,002.1524	2,002.1524	0.3269		2,010.3248

Underground Parking - Sacramento County, Summer

3.5 Building Construction - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0269	1.0144	0.2412	3.0800e-003	0.0782	1.3400e-003	0.0795	0.0225	1.2800e-003	0.0238		326.9133	326.9133	0.0158		327.3088
Worker	0.1053	0.0464	0.7419	2.2400e-003	0.2586	1.5900e-003	0.2602	0.0686	1.4700e-003	0.0701		223.0819	223.0819	4.5700e-003		223.1961
Total	0.1322	1.0608	0.9830	5.3200e-003	0.3368	2.9300e-003	0.3398	0.0911	2.7500e-003	0.0939		549.9952	549.9952	0.0204		550.5049

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248
Total	1.3246	10.4128	12.4393	0.0221		0.3925	0.3925		0.3785	0.3785	0.0000	2,002.1524	2,002.1524	0.3269		2,010.3248

Underground Parking - Sacramento County, Summer

3.5 Building Construction - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0269	1.0144	0.2412	3.0800e-003	0.0782	1.3400e-003	0.0795	0.0225	1.2800e-003	0.0238		326.9133	326.9133	0.0158		327.3088
Worker	0.1053	0.0464	0.7419	2.2400e-003	0.2586	1.5900e-003	0.2602	0.0686	1.4700e-003	0.0701		223.0819	223.0819	4.5700e-003		223.1961
Total	0.1322	1.0608	0.9830	5.3200e-003	0.3368	2.9300e-003	0.3398	0.0911	2.7500e-003	0.0939		549.9952	549.9952	0.0204		550.5049

3.6 Paving - 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	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276		1,297.8096	1,297.8096	0.4114		1,308.0951

Underground Parking - Sacramento County, Summer

3.6 Paving - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0177	0.2837	8.6000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.2960	85.2960	1.7500e-003		85.3397
Total	0.0403	0.0177	0.2837	8.6000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.2960	85.2960	1.7500e-003		85.3397

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5732	5.3259	8.7951	0.0136		0.2465	0.2465		0.2276	0.2276	0.0000	1,297.8096	1,297.8096	0.4114		1,308.0951

Underground Parking - Sacramento County, Summer

3.6 Paving - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0403	0.0177	0.2837	8.6000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.2960	85.2960	1.7500e-003		85.3397
Total	0.0403	0.0177	0.2837	8.6000e-004	0.0989	6.1000e-004	0.0995	0.0262	5.6000e-004	0.0268		85.2960	85.2960	1.7500e-003		85.3397

3.7 Architectural Coating - 2025**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.1710					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	1.3418	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Underground Parking - Sacramento County, Summer

3.7 Architectural Coating - 2025**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0217	9.5500e-003	0.1527	4.6000e-004	0.0533	3.3000e-004	0.0536	0.0141	3.0000e-004	0.0144		45.9286	45.9286	9.4000e-004		45.9521
Total	0.0217	9.5500e-003	0.1527	4.6000e-004	0.0533	3.3000e-004	0.0536	0.0141	3.0000e-004	0.0144		45.9286	45.9286	9.4000e-004		45.9521

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	1.1710					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
Total	1.3418	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319

Underground Parking - Sacramento County, Summer

3.7 Architectural Coating - 2025**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0217	9.5500e-003	0.1527	4.6000e-004	0.0533	3.3000e-004	0.0536	0.0141	3.0000e-004	0.0144		45.9286	45.9286	9.4000e-004		45.9521
Total	0.0217	9.5500e-003	0.1527	4.6000e-004	0.0533	3.3000e-004	0.0536	0.0141	3.0000e-004	0.0144		45.9286	45.9286	9.4000e-004		45.9521

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Underground Parking - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
Enclosed Parking with Elevator	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.570990	0.036039	0.209774	0.110012	0.014862	0.004732	0.018347	0.024592	0.001934	0.001739	0.005654	0.000617	0.000710

5.0 Energy Detail

Historical Energy Use: N

Underground Parking - Sacramento County, Summer

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	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					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Underground Parking - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

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	0.0363	1.8000e-004	0.0204	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Unmitigated	0.0363	1.8000e-004	0.0204	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466

Underground Parking - Sacramento County, Summer

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.1000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8800e-003	1.8000e-004	0.0204	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Total	0.0363	1.8000e-004	0.0204	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466

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	6.1000e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.8800e-003	1.8000e-004	0.0204	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466
Total	0.0363	1.8000e-004	0.0204	0.0000		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		0.0438	0.0438	1.1000e-004		0.0466

7.0 Water Detail

Underground Parking - Sacramento County, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Visitor Center - Sacramento County, Annual

Visitor Center
Sacramento County, Annual**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	40.00	1000sqft	0.92	40,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	529.47	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Visitor Center - Sacramento County, Annual

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use -

Construction Phase - Construction schedule adjusted proportionally based on default values to match schedule provided in project description

Trips and VMT - Truck hauling of excavated material calculated off model

Demolition -

Grading -

Vehicle Trips - No increase in VMT associated with project

Energy Use - Electricity consumption adjusted to meet 2019 California Energy Code (30% reduction for nonresidential buildings). Natural gas would not be used for building heating/cooling per project description.

Energy Mitigation - 100% renewable electricity provided through purchase agreement with SMUD; 15% exceedance of 2019 California Energy Code per EO B-18-12

Water Mitigation - All low-flow water fixtures anticipated to exceed 2016 California Energy Code requirements

Waste Mitigation - 50 percent diversion rate required for state agencies

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	4.98	3.49
tblEnergyUse	T24NG	12.42	0.00
tblGrading	AcresOfGrading	0.50	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	721.00	729.00
tblVehicleTrips	WD_TR	27.92	0.00

2.0 Emissions Summary

Visitor Center - Sacramento County, Annual

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					
2020	0.2436	0.6623	0.4953	1.1100e-003	0.0970	0.0310	0.1279	0.0166	0.0286	0.0453	0.0000	100.8377	100.8377	0.0205	0.0000	101.3498
Maximum	0.2436	0.6623	0.4953	1.1100e-003	0.0970	0.0310	0.1279	0.0166	0.0286	0.0453	0.0000	100.8377	100.8377	0.0205	0.0000	101.3498

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					
2020	0.2436	0.6623	0.4953	1.1100e-003	0.0970	0.0310	0.1279	0.0166	0.0286	0.0453	0.0000	100.8376	100.8376	0.0205	0.0000	101.3497
Maximum	0.2436	0.6623	0.4953	1.1100e-003	0.0970	0.0310	0.1279	0.0166	0.0286	0.0453	0.0000	100.8376	100.8376	0.0205	0.0000	101.3497

[illegible]

Visitor Center - Sacramento County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.4422	0.4422
2	4-1-2020	6-30-2020	0.4603	0.4603
		Highest	0.4603	0.4603

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	124.4047	124.4047	5.1700e-003	9.4000e-004	124.8140
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	46.2819	0.0000	46.2819	2.7352	0.0000	114.6616
Water						0.0000	0.0000		0.0000	0.0000	2.8114	13.6029	16.4143	0.0102	6.2200e-003	18.5229
Total	0.1748	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	49.0934	138.0086	187.1020	2.7506	7.1600e-003	257.9996

Visitor Center - Sacramento County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	119.3757	119.3757	4.9600e-003	9.0000e-004	119.7685
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	23.1410	0.0000	23.1410	1.3676	0.0000	57.3308
Water						0.0000	0.0000		0.0000	0.0000	2.2492	11.7011	13.9502	8.2300e-003	4.9800e-003	15.6398
Total	0.1748	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.3901	131.0778	156.4679	1.3808	5.8800e-003	192.7401

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.28	5.02	16.37	49.80	17.88	25.29

3.0 Construction Detail**Construction Phase**

Visitor Center - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/14/2020	5	10	
2	Site Preparation	Site Preparation	1/15/2020	1/15/2020	5	1	
3	Grading	Grading	1/16/2020	1/17/2020	5	2	
4	Building Construction	Building Construction	1/18/2020	6/5/2020	5	100	
5	Paving	Paving	6/6/2020	6/12/2020	5	5	
6	Architectural Coating	Architectural Coating	6/13/2020	6/19/2020	5	5	

Acres of Grading (Site Preparation Phase): 2

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Visitor Center - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	729.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	7.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

Visitor Center - Sacramento County, Annual

3.1 Mitigation Measures Construction**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
Total	4.3400e-003	0.0394	0.0381	6.0000e-005	0.0813	2.3400e-003	0.0837	0.0123	2.2300e-003	0.0146	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284

Visitor Center - Sacramento County, Annual

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-003	0.1047	0.0237	2.9000e-004	6.1500e-003	3.7000e-004	6.5200e-003	1.6900e-003	3.6000e-004	2.0500e-003	0.0000	27.8888	27.8888	1.6200e-003	0.0000	27.9293
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	2.9900e-003	0.1049	0.0251	2.9000e-004	6.5200e-003	3.7000e-004	6.8900e-003	1.7900e-003	3.6000e-004	2.1500e-003	0.0000	28.2142	28.2142	1.6300e-003	0.0000	28.2549

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0813	0.0000	0.0813	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
Total	4.3400e-003	0.0394	0.0381	6.0000e-005	0.0813	2.3400e-003	0.0837	0.0123	2.2300e-003	0.0146	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284

Visitor Center - Sacramento County, Annual

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-003	0.1047	0.0237	2.9000e-004	6.1500e-003	3.7000e-004	6.5200e-003	1.6900e-003	3.6000e-004	2.0500e-003	0.0000	27.8888	27.8888	1.6200e-003	0.0000	27.9293
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	2.9900e-003	0.1049	0.0251	2.9000e-004	6.5200e-003	3.7000e-004	6.8900e-003	1.7900e-003	3.6000e-004	2.1500e-003	0.0000	28.2142	28.2142	1.6300e-003	0.0000	28.2549

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	4.2200e-003	2.0500e-003	0.0000		1.7000e-004	1.7000e-004		1.5000e-004	1.5000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314
Total	3.4000e-004	4.2200e-003	2.0500e-003	0.0000	1.0600e-003	1.7000e-004	1.2300e-003	1.1000e-004	1.5000e-004	2.6000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314

Visitor Center - Sacramento County, Annual

3.3 Site Preparation - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0163
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	4.2200e-003	2.0500e-003	0.0000		1.7000e-004	1.7000e-004		1.5000e-004	1.5000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314
Total	3.4000e-004	4.2200e-003	2.0500e-003	0.0000	1.0600e-003	1.7000e-004	1.2300e-003	1.1000e-004	1.5000e-004	2.6000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314

Visitor Center - Sacramento County, Annual

3.3 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0163
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0163

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457
Total	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005	7.5000e-004	4.7000e-004	1.2200e-003	4.1000e-004	4.5000e-004	8.6000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457

Visitor Center - Sacramento County, Annual

3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0651	0.0651	0.0000	0.0000	0.0651
Total	4.0000e-005	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0651	0.0651	0.0000	0.0000	0.0651

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457
Total	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005	7.5000e-004	4.7000e-004	1.2200e-003	4.1000e-004	4.5000e-004	8.6000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457

Visitor Center - Sacramento County, Annual

3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0651	0.0651	0.0000	0.0000	0.0651
Total	4.0000e-005	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0651	0.0651	0.0000	0.0000	0.0651

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4348
Total	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4348

Visitor Center - Sacramento County, Annual

3.5 Building Construction - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.3400e-003	0.0393	0.0110	9.0000e-005	2.0500e-003	2.0000e-004	2.2500e-003	5.9000e-004	1.9000e-004	7.9000e-004	0.0000	8.2815	8.2815	4.9000e-004	0.0000	8.2937
Worker	2.4200e-003	1.6400e-003	0.0180	5.0000e-005	4.7700e-003	3.0000e-005	4.8100e-003	1.2700e-003	3.0000e-005	1.3000e-003	0.0000	4.2298	4.2298	1.2000e-004	0.0000	4.2328
Total	3.7600e-003	0.0409	0.0289	1.4000e-004	6.8200e-003	2.3000e-004	7.0600e-003	1.8600e-003	2.2000e-004	2.0900e-003	0.0000	12.5113	12.5113	6.1000e-004	0.0000	12.5265

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4347
Total	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4347

Visitor Center - Sacramento County, Annual

3.5 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.3400e-003	0.0393	0.0110	9.0000e-005	2.0500e-003	2.0000e-004	2.2500e-003	5.9000e-004	1.9000e-004	7.9000e-004	0.0000	8.2815	8.2815	4.9000e-004	0.0000	8.2937
Worker	2.4200e-003	1.6400e-003	0.0180	5.0000e-005	4.7700e-003	3.0000e-005	4.8100e-003	1.2700e-003	3.0000e-005	1.3000e-003	0.0000	4.2298	4.2298	1.2000e-004	0.0000	4.2328
Total	3.7600e-003	0.0409	0.0289	1.4000e-004	6.8200e-003	2.3000e-004	7.0600e-003	1.8600e-003	2.2000e-004	2.0900e-003	0.0000	12.5113	12.5113	6.1000e-004	0.0000	12.5265

3.6 Paving - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9300e-003	0.0181	0.0178	3.0000e-005		9.9000e-004	9.9000e-004		9.2000e-004	9.2000e-004	0.0000	2.3482	2.3482	6.8000e-004	0.0000	2.3653
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9300e-003	0.0181	0.0178	3.0000e-005		9.9000e-004	9.9000e-004		9.2000e-004	9.2000e-004	0.0000	2.3482	2.3482	6.8000e-004	0.0000	2.3653

Visitor Center - Sacramento County, Annual

3.6 Paving - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.7000e-004	1.1000e-004	1.2500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2928	0.2928	1.0000e-005	0.0000	0.2930
Total	1.7000e-004	1.1000e-004	1.2500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2928	0.2928	1.0000e-005	0.0000	0.2930

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9300e-003	0.0181	0.0178	3.0000e-005		9.9000e-004	9.9000e-004		9.2000e-004	9.2000e-004	0.0000	2.3482	2.3482	6.8000e-004	0.0000	2.3653
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9300e-003	0.0181	0.0178	3.0000e-005		9.9000e-004	9.9000e-004		9.2000e-004	9.2000e-004	0.0000	2.3482	2.3482	6.8000e-004	0.0000	2.3653

Visitor Center - Sacramento County, Annual

3.6 Paving - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.7000e-004	1.1000e-004	1.2500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2928	0.2928	1.0000e-005	0.0000	0.2930
Total	1.7000e-004	1.1000e-004	1.2500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2928	0.2928	1.0000e-005	0.0000	0.2930

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1854					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396
Total	0.1860	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396

Visitor Center - Sacramento County, Annual

3.7 Architectural Coating - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0488	0.0488	0.0000	0.0000	0.0488
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0488	0.0488	0.0000	0.0000	0.0488

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1854					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396
Total	0.1860	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396

Visitor Center - Sacramento County, Annual

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0488	0.0488	0.0000	0.0000	0.0488
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0488	0.0488	0.0000	0.0000	0.0488

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Visitor Center - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government (Civic Center)	10.00	5.00	6.50	75.00	20.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government (Civic Center)	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

Visitor Center - Sacramento County, Annual

5.1 Mitigation Measures Energy

Exceed Title 24

[illegible]

Visitor Center - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Visitor Center - Sacramento County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government (Civic Center)	518000	124.4047	5.1700e-003	9.4000e-004	124.8140
Total		124.4047	5.1700e-003	9.4000e-004	124.8140

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government (Civic Center)	497060	119.3757	4.9600e-003	9.0000e-004	119.7685
Total		119.3757	4.9600e-003	9.0000e-004	119.7685

6.0 Area Detail**6.1 Mitigation Measures Area**

Visitor Center - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Unmitigated	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0185					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1562					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Total	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

Visitor Center - Sacramento County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0185					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1562					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Total	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Visitor Center - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.9502	8.2300e-003	4.9800e-003	15.6398
Unmitigated	16.4143	0.0102	6.2200e-003	18.5229

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	7.94639 / 4.87037	16.4143	0.0102	6.2200e-003	18.5229
Total		16.4143	0.0102	6.2200e-003	18.5229

Visitor Center - Sacramento County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	6.35711 / 4.87037	13.9502	8.2300e-003	4.9800e-003	15.6398
Total		13.9502	8.2300e-003	4.9800e-003	15.6398

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Visitor Center - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	23.1410	1.3676	0.0000	57.3308
Unmitigated	46.2819	2.7352	0.0000	114.6616

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	228	46.2819	2.7352	0.0000	114.6616
Total		46.2819	2.7352	0.0000	114.6616

Visitor Center - Sacramento County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	114	23.1410	1.3676	0.0000	57.3308
Total		23.1410	1.3676	0.0000	57.3308

9.0 Operational Offroad

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Visitor Center - Sacramento County, Annual

Visitor Center - Sacramento County, Annual

Visitor Center
Sacramento County, Annual**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	40.00	1000sqft	0.92	40,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	529.47	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Visitor Center - Sacramento County, Annual

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use -

Construction Phase - Construction schedule adjusted proportionally based on default values to match schedule provided in project description

Trips and VMT - Truck hauling of excavated material calculated off model

Demolition -

Grading -

Vehicle Trips - No increase in VMT associated with project

Energy Use - Electricity consumption adjusted to meet 2019 California Energy Code (30% reduction for nonresidential buildings). Natural gas would not be used for building heating/cooling per project description.

Energy Mitigation - 100% renewable electricity provided through purchase agreement with SMUD

Water Mitigation - All low-flow water fixtures anticipated to exceed 2016 California Energy Code requirements

Waste Mitigation - 50 percent diversion rate required for state agencies

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	4.98	3.49
tblEnergyUse	T24NG	12.42	0.00
tblGrading	AcresOfGrading	0.50	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	721.00	729.00
tblVehicleTrips	WD_TR	27.92	0.00

2.0 Emissions Summary

Visitor Center - Sacramento County, Annual

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					
2020	0.2436	0.6623	0.4953	1.1100e-003	0.0970	0.0310	0.1279	0.0166	0.0286	0.0453	0.0000	100.8377	100.8377	0.0205	0.0000	101.3498
Maximum	0.2436	0.6623	0.4953	1.1100e-003	0.0970	0.0310	0.1279	0.0166	0.0286	0.0453	0.0000	100.8377	100.8377	0.0205	0.0000	101.3498

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					
2020	0.2436	0.6623	0.4953	1.1100e-003	0.0970	0.0310	0.1279	0.0166	0.0286	0.0453	0.0000	100.8376	100.8376	0.0205	0.0000	101.3497
Maximum	0.2436	0.6623	0.4953	1.1100e-003	0.0970	0.0310	0.1279	0.0166	0.0286	0.0453	0.0000	100.8376	100.8376	0.0205	0.0000	101.3497

[illegible]

Visitor Center - Sacramento County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.4422	0.4422
2	4-1-2020	6-30-2020	0.4603	0.4603
		Highest	0.4603	0.4603

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	124.4047	124.4047	5.1700e-003	9.4000e-004	124.8140
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	46.2819	0.0000	46.2819	2.7352	0.0000	114.6616
Water						0.0000	0.0000		0.0000	0.0000	2.8114	13.6029	16.4143	0.0102	6.2200e-003	18.5229
Total	0.1748	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	49.0934	138.0086	187.1020	2.7506	7.1600e-003	257.9996

Visitor Center - Sacramento County, Annual

2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
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	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	23.1410	0.0000	23.1410	1.3676	0.0000	57.3308
Water						0.0000	0.0000		0.0000	0.0000	2.2492	11.7011	13.9502	8.2300e-003	4.9800e-003	15.6398
Total	0.1748	0.0000	5.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	25.3901	11.7021	37.0922	1.3758	4.9800e-003	72.9717

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.28	91.52	80.18	49.98	30.45	71.72

3.0 Construction Detail**Construction Phase**

Visitor Center - Sacramento County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/14/2020	5	10	
2	Site Preparation	Site Preparation	1/15/2020	1/15/2020	5	1	
3	Grading	Grading	1/16/2020	1/17/2020	5	2	
4	Building Construction	Building Construction	1/18/2020	6/5/2020	5	100	
5	Paving	Paving	6/6/2020	6/12/2020	5	5	
6	Architectural Coating	Architectural Coating	6/13/2020	6/19/2020	5	5	

Acres of Grading (Site Preparation Phase): 2

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Visitor Center - Sacramento County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	729.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	7.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

Visitor Center - Sacramento County, Annual

3.1 Mitigation Measures Construction**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0813	0.0000	0.0813	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
Total	4.3400e-003	0.0394	0.0381	6.0000e-005	0.0813	2.3400e-003	0.0837	0.0123	2.2300e-003	0.0146	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284

Visitor Center - Sacramento County, Annual

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-003	0.1047	0.0237	2.9000e-004	6.1500e-003	3.7000e-004	6.5200e-003	1.6900e-003	3.6000e-004	2.0500e-003	0.0000	27.8888	27.8888	1.6200e-003	0.0000	27.9293
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	2.9900e-003	0.1049	0.0251	2.9000e-004	6.5200e-003	3.7000e-004	6.8900e-003	1.7900e-003	3.6000e-004	2.1500e-003	0.0000	28.2142	28.2142	1.6300e-003	0.0000	28.2549

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0813	0.0000	0.0813	0.0123	0.0000	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3400e-003	0.0394	0.0381	6.0000e-005		2.3400e-003	2.3400e-003		2.2300e-003	2.2300e-003	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284
Total	4.3400e-003	0.0394	0.0381	6.0000e-005	0.0813	2.3400e-003	0.0837	0.0123	2.2300e-003	0.0146	0.0000	5.2038	5.2038	9.8000e-004	0.0000	5.2284

Visitor Center - Sacramento County, Annual

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.8000e-003	0.1047	0.0237	2.9000e-004	6.1500e-003	3.7000e-004	6.5200e-003	1.6900e-003	3.6000e-004	2.0500e-003	0.0000	27.8888	27.8888	1.6200e-003	0.0000	27.9293
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.3000e-004	1.3800e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3254	0.3254	1.0000e-005	0.0000	0.3256
Total	2.9900e-003	0.1049	0.0251	2.9000e-004	6.5200e-003	3.7000e-004	6.8900e-003	1.7900e-003	3.6000e-004	2.1500e-003	0.0000	28.2142	28.2142	1.6300e-003	0.0000	28.2549

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	4.2200e-003	2.0500e-003	0.0000		1.7000e-004	1.7000e-004		1.5000e-004	1.5000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314
Total	3.4000e-004	4.2200e-003	2.0500e-003	0.0000	1.0600e-003	1.7000e-004	1.2300e-003	1.1000e-004	1.5000e-004	2.6000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314

Visitor Center - Sacramento County, Annual

3.3 Site Preparation - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0163
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0163

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0600e-003	0.0000	1.0600e-003	1.1000e-004	0.0000	1.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4000e-004	4.2200e-003	2.0500e-003	0.0000		1.7000e-004	1.7000e-004		1.5000e-004	1.5000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314
Total	3.4000e-004	4.2200e-003	2.0500e-003	0.0000	1.0600e-003	1.7000e-004	1.2300e-003	1.1000e-004	1.5000e-004	2.6000e-004	0.0000	0.4280	0.4280	1.4000e-004	0.0000	0.4314

Visitor Center - Sacramento County, Annual

3.3 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0163
Total	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0163	0.0163	0.0000	0.0000	0.0163

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457
Total	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005	7.5000e-004	4.7000e-004	1.2200e-003	4.1000e-004	4.5000e-004	8.6000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457

Visitor Center - Sacramento County, Annual

3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0651	0.0651	0.0000	0.0000	0.0651
Total	4.0000e-005	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0651	0.0651	0.0000	0.0000	0.0651

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					7.5000e-004	0.0000	7.5000e-004	4.1000e-004	0.0000	4.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.5000e-004	4.5000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457
Total	8.7000e-004	7.8700e-003	7.6200e-003	1.0000e-005	7.5000e-004	4.7000e-004	1.2200e-003	4.1000e-004	4.5000e-004	8.6000e-004	0.0000	1.0408	1.0408	2.0000e-004	0.0000	1.0457

Visitor Center - Sacramento County, Annual

3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0651	0.0651	0.0000	0.0000	0.0651
Total	4.0000e-005	3.0000e-005	2.8000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0651	0.0651	0.0000	0.0000	0.0651

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4348
Total	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4348

Visitor Center - Sacramento County, Annual

3.5 Building Construction - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.3400e-003	0.0393	0.0110	9.0000e-005	2.0500e-003	2.0000e-004	2.2500e-003	5.9000e-004	1.9000e-004	7.9000e-004	0.0000	8.2815	8.2815	4.9000e-004	0.0000	8.2937
Worker	2.4200e-003	1.6400e-003	0.0180	5.0000e-005	4.7700e-003	3.0000e-005	4.8100e-003	1.2700e-003	3.0000e-005	1.3000e-003	0.0000	4.2298	4.2298	1.2000e-004	0.0000	4.2328
Total	3.7600e-003	0.0409	0.0289	1.4000e-004	6.8200e-003	2.3000e-004	7.0600e-003	1.8600e-003	2.2000e-004	2.0900e-003	0.0000	12.5113	12.5113	6.1000e-004	0.0000	12.5265

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4347
Total	0.0431	0.4426	0.3694	5.7000e-004		0.0261	0.0261		0.0240	0.0240	0.0000	50.0302	50.0302	0.0162	0.0000	50.4347

Visitor Center - Sacramento County, Annual

3.5 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.3400e-003	0.0393	0.0110	9.0000e-005	2.0500e-003	2.0000e-004	2.2500e-003	5.9000e-004	1.9000e-004	7.9000e-004	0.0000	8.2815	8.2815	4.9000e-004	0.0000	8.2937
Worker	2.4200e-003	1.6400e-003	0.0180	5.0000e-005	4.7700e-003	3.0000e-005	4.8100e-003	1.2700e-003	3.0000e-005	1.3000e-003	0.0000	4.2298	4.2298	1.2000e-004	0.0000	4.2328
Total	3.7600e-003	0.0409	0.0289	1.4000e-004	6.8200e-003	2.3000e-004	7.0600e-003	1.8600e-003	2.2000e-004	2.0900e-003	0.0000	12.5113	12.5113	6.1000e-004	0.0000	12.5265

3.6 Paving - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9300e-003	0.0181	0.0178	3.0000e-005		9.9000e-004	9.9000e-004		9.2000e-004	9.2000e-004	0.0000	2.3482	2.3482	6.8000e-004	0.0000	2.3653
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9300e-003	0.0181	0.0178	3.0000e-005		9.9000e-004	9.9000e-004		9.2000e-004	9.2000e-004	0.0000	2.3482	2.3482	6.8000e-004	0.0000	2.3653

Visitor Center - Sacramento County, Annual

3.6 Paving - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.7000e-004	1.1000e-004	1.2500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2928	0.2928	1.0000e-005	0.0000	0.2930
Total	1.7000e-004	1.1000e-004	1.2500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2928	0.2928	1.0000e-005	0.0000	0.2930

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.9300e-003	0.0181	0.0178	3.0000e-005		9.9000e-004	9.9000e-004		9.2000e-004	9.2000e-004	0.0000	2.3482	2.3482	6.8000e-004	0.0000	2.3653
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.9300e-003	0.0181	0.0178	3.0000e-005		9.9000e-004	9.9000e-004		9.2000e-004	9.2000e-004	0.0000	2.3482	2.3482	6.8000e-004	0.0000	2.3653

Visitor Center - Sacramento County, Annual

3.6 Paving - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	1.7000e-004	1.1000e-004	1.2500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2928	0.2928	1.0000e-005	0.0000	0.2930
Total	1.7000e-004	1.1000e-004	1.2500e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2928	0.2928	1.0000e-005	0.0000	0.2930

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1854					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396
Total	0.1860	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396

Visitor Center - Sacramento County, Annual

3.7 Architectural Coating - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0488	0.0488	0.0000	0.0000	0.0488
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0488	0.0488	0.0000	0.0000	0.0488

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1854					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396
Total	0.1860	4.2100e-003	4.5800e-003	1.0000e-005		2.8000e-004	2.8000e-004		2.8000e-004	2.8000e-004	0.0000	0.6383	0.6383	5.0000e-005	0.0000	0.6396

Visitor Center - Sacramento County, Annual

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/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	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0488	0.0488	0.0000	0.0000	0.0488
Total	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0488	0.0488	0.0000	0.0000	0.0488

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Visitor Center - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government (Civic Center)	10.00	5.00	6.50	75.00	20.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government (Civic Center)	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

Visitor Center - Sacramento County, Annual

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

[illegible]

Visitor Center - Sacramento County, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

Visitor Center - Sacramento County, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government (Civic Center)	518000	124.4047	5.1700e-003	9.4000e-004	124.8140
Total		124.4047	5.1700e-003	9.4000e-004	124.8140

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail**6.1 Mitigation Measures Area**

Visitor Center - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Unmitigated	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0185					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1562					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Total	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

Visitor Center - Sacramento County, Annual

6.2 Area by SubCategory**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0185					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1562					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003
Total	0.1748	0.0000	5.1000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	9.9000e-004	9.9000e-004	0.0000	0.0000	1.0600e-003

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Visitor Center - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.9502	8.2300e-003	4.9800e-003	15.6398
Unmitigated	16.4143	0.0102	6.2200e-003	18.5229

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	7.94639 / 4.87037	16.4143	0.0102	6.2200e-003	18.5229
Total		16.4143	0.0102	6.2200e-003	18.5229

Visitor Center - Sacramento County, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	6.35711 / 4.87037	13.9502	8.2300e-003	4.9800e-003	15.6398
Total		13.9502	8.2300e-003	4.9800e-003	15.6398

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Visitor Center - Sacramento County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	23.1410	1.3676	0.0000	57.3308
Unmitigated	46.2819	2.7352	0.0000	114.6616

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	228	46.2819	2.7352	0.0000	114.6616
Total		46.2819	2.7352	0.0000	114.6616

Visitor Center - Sacramento County, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	114	23.1410	1.3676	0.0000	57.3308
Total		23.1410	1.3676	0.0000	57.3308

9.0 Operational Offroad

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Visitor Center - Sacramento County, Annual

Visitor Center - Sacramento County, Summer

Visitor Center
Sacramento County, Summer**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	40.00	1000sqft	0.92	40,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2022
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	529.47	CH4 Intensity (lb/MW hr)	0.022	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Visitor Center - Sacramento County, Summer

Project Characteristics - SMUD intensity factors adjusted for 2020 RPS compliance

Land Use -

Construction Phase - Construction schedule adjusted proportionally based on default values to match schedule provided in project description

Trips and VMT - Truck hauling of excavated material calculated off model

Demolition -

Grading -

Vehicle Trips - No increase in VMT associated with project

Energy Use - Electricity consumption adjusted to meet 2019 California Energy Code (30% reduction for nonresidential buildings). Natural gas would not be used for building heating/cooling per project description.

Energy Mitigation - 100% renewable electricity provided through purchase agreement with SMUD

Water Mitigation - All low-flow water fixtures anticipated to exceed 2016 California Energy Code requirements

Waste Mitigation - 50 percent diversion rate required for state agencies

Table Name	Column Name	Default Value	New Value
tblEnergyUse	NT24NG	0.68	0.00
tblEnergyUse	T24E	4.98	3.49
tblEnergyUse	T24NG	12.42	0.00
tblGrading	AcresOfGrading	0.50	2.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.022
tblProjectCharacteristics	CO2IntensityFactor	590.31	529.47
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	HaulingTripNumber	721.00	729.00
tblVehicleTrips	WD_TR	27.92	0.00

2.0 Emissions Summary

Visitor Center - Sacramento County, Summer

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					
2020	74.4151	28.1226	12.5665	0.0706	17.6128	0.5417	18.1544	2.8305	0.5169	3.3474	0.0000	7,414.9354	7,414.9354	0.5700	0.0000	7,429.1856
Maximum	74.4151	28.1226	12.5665	0.0706	17.6128	0.5417	18.1544	2.8305	0.5169	3.3474	0.0000	7,414.9354	7,414.9354	0.5700	0.0000	7,429.1856

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					
2020	74.4151	28.1226	12.5665	0.0706	17.6128	0.5417	18.1544	2.8305	0.5169	3.3474	0.0000	7,414.9354	7,414.9354	0.5700	0.0000	7,429.1856
Maximum	74.4151	28.1226	12.5665	0.0706	17.6128	0.5417	18.1544	2.8305	0.5169	3.3474	0.0000	7,414.9354	7,414.9354	0.5700	0.0000	7,429.1856

[illegible]

Visitor Center - Sacramento County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.9580	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
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	0.0000	0.0000	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	0.9580	4.0000e-005	4.0900e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005	0.0000	9.3300e-003

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	0.9580	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
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	0.0000	0.0000	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	0.9580	4.0000e-005	4.0900e-003	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005	0.0000	9.3300e-003

Visitor Center - Sacramento County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2020	1/14/2020	5	10	
2	Site Preparation	Site Preparation	1/15/2020	1/15/2020	5	1	
3	Grading	Grading	1/16/2020	1/17/2020	5	2	
4	Building Construction	Building Construction	1/18/2020	6/5/2020	5	100	
5	Paving	Paving	6/6/2020	6/12/2020	5	5	
6	Architectural Coating	Architectural Coating	6/13/2020	6/19/2020	5	5	

Acres of Grading (Site Preparation Phase): 2

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 60,000; Non-Residential Outdoor: 20,000; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Visitor Center - Sacramento County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	729.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	13.00	7.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

Visitor Center - Sacramento County, Summer

3.1 Mitigation Measures Construction**3.2 Demolition - 2020****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					16.2685	0.0000	16.2685	2.4632	0.0000	2.4632			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.235 2	1,147.235 2	0.2169		1,152.657 8
Total	0.8674	7.8729	7.6226	0.0120	16.2685	0.4672	16.7357	2.4632	0.4457	2.9089		1,147.235 2	1,147.235 2	0.2169		1,152.657 8

Visitor Center - Sacramento County, Summer

3.2 Demolition - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5538	20.2269	4.6174	0.0578	1.2683	0.0739	1.3422	0.3471	0.0707	0.4178		6,188.3489	6,188.3489	0.3508		6,197.1197
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0431	0.0229	0.3265	8.0000e-004	0.0761	5.3000e-004	0.0766	0.0202	4.9000e-004	0.0207		79.3513	79.3513	2.2700e-003		79.4081
Total	0.5969	20.2498	4.9439	0.0586	1.3443	0.0745	1.4188	0.3673	0.0712	0.4385		6,267.7002	6,267.7002	0.3531		6,276.5278

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					16.2685	0.0000	16.2685	2.4632	0.0000	2.4632			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	16.2685	0.4672	16.7357	2.4632	0.4457	2.9089	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

Visitor Center - Sacramento County, Summer

3.2 Demolition - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.5538	20.2269	4.6174	0.0578	1.2683	0.0739	1.3422	0.3471	0.0707	0.4178		6,188.3489	6,188.3489	0.3508		6,197.1197
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0431	0.0229	0.3265	8.0000e-004	0.0761	5.3000e-004	0.0766	0.0202	4.9000e-004	0.0207		79.3513	79.3513	2.2700e-003		79.4081
Total	0.5969	20.2498	4.9439	0.0586	1.3443	0.0745	1.4188	0.3673	0.0712	0.4385		6,267.7002	6,267.7002	0.3531		6,276.5278

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.1210	0.0000	2.1210	0.2290	0.0000	0.2290			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085		943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	2.1210	0.3353	2.4563	0.2290	0.3085	0.5375		943.4872	943.4872	0.3051		951.1158

Visitor Center - Sacramento County, Summer

3.3 Site Preparation - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					2.1210	0.0000	2.1210	0.2290	0.0000	0.2290			0.0000			0.0000
Off-Road	0.6853	8.4307	4.0942	9.7400e-003		0.3353	0.3353		0.3085	0.3085	0.0000	943.4872	943.4872	0.3051		951.1158
Total	0.6853	8.4307	4.0942	9.7400e-003	2.1210	0.3353	2.4563	0.2290	0.3085	0.5375	0.0000	943.4872	943.4872	0.3051		951.1158

Visitor Center - Sacramento County, Summer

3.3 Site Preparation - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041
Total	0.0216	0.0114	0.1633	4.0000e-004	0.0380	2.6000e-004	0.0383	0.0101	2.4000e-004	0.0103		39.6757	39.6757	1.1400e-003		39.7041

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457		1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.7528	0.4672	1.2200	0.4138	0.4457	0.8595		1,147.2352	1,147.2352	0.2169		1,152.6578

Visitor Center - Sacramento County, Summer

3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0431	0.0229	0.3265	8.0000e-004	0.0761	5.3000e-004	0.0766	0.0202	4.9000e-004	0.0207		79.3513	79.3513	2.2700e-003		79.4081
Total	0.0431	0.0229	0.3265	8.0000e-004	0.0761	5.3000e-004	0.0766	0.0202	4.9000e-004	0.0207		79.3513	79.3513	2.2700e-003		79.4081

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	0.8674	7.8729	7.6226	0.0120		0.4672	0.4672		0.4457	0.4457	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578
Total	0.8674	7.8729	7.6226	0.0120	0.7528	0.4672	1.2200	0.4138	0.4457	0.8595	0.0000	1,147.2352	1,147.2352	0.2169		1,152.6578

Visitor Center - Sacramento County, Summer

3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0431	0.0229	0.3265	8.0000e-004	0.0761	5.3000e-004	0.0766	0.0202	4.9000e-004	0.0207		79.3513	79.3513	2.2700e-003		79.4081
Total	0.0431	0.0229	0.3265	8.0000e-004	0.0761	5.3000e-004	0.0766	0.0202	4.9000e-004	0.0207		79.3513	79.3513	2.2700e-003		79.4081

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.978 1	1,102.978 1	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806		1,102.978 1	1,102.978 1	0.3567		1,111.896 2

Visitor Center - Sacramento County, Summer

3.5 Building Construction - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0264	0.7686	0.2066	1.7400e-003	0.0421	4.0100e-003	0.0461	0.0121	3.8300e-003	0.0160		184.5588	184.5588	0.0105		184.8203
Worker	0.0561	0.0298	0.4245	1.0400e-003	0.0989	6.9000e-004	0.0996	0.0262	6.3000e-004	0.0269		103.1567	103.1567	2.9600e-003		103.2306
Total	0.0825	0.7984	0.6310	2.7800e-003	0.1410	4.7000e-003	0.1457	0.0384	4.4600e-003	0.0428		287.7155	287.7155	0.0134		288.0508

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.978 1	1,102.978 1	0.3567		1,111.8962
Total	0.8617	8.8523	7.3875	0.0114		0.5224	0.5224		0.4806	0.4806	0.0000	1,102.978 1	1,102.978 1	0.3567		1,111.896 2

Visitor Center - Sacramento County, Summer

3.5 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0264	0.7686	0.2066	1.7400e-003	0.0421	4.0100e-003	0.0461	0.0121	3.8300e-003	0.0160		184.5588	184.5588	0.0105		184.8203
Worker	0.0561	0.0298	0.4245	1.0400e-003	0.0989	6.9000e-004	0.0996	0.0262	6.3000e-004	0.0269		103.1567	103.1567	2.9600e-003		103.2306
Total	0.0825	0.7984	0.6310	2.7800e-003	0.1410	4.7000e-003	0.1457	0.0384	4.4600e-003	0.0428		287.7155	287.7155	0.0134		288.0508

3.6 Paving - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669		1,035.3926	1,035.3926	0.3016		1,042.9323
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669		1,035.3926	1,035.3926	0.3016		1,042.9323

Visitor Center - Sacramento County, Summer

3.6 Paving - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0412	0.5877	1.4400e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		142.8323	142.8323	4.0900e-003		142.9346
Total	0.0776	0.0412	0.5877	1.4400e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		142.8323	142.8323	4.0900e-003		142.9346

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669	0.0000	1,035.3926	1,035.3926	0.3016		1,042.9323
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7716	7.2266	7.1128	0.0113		0.3950	0.3950		0.3669	0.3669	0.0000	1,035.3926	1,035.3926	0.3016		1,042.9323

Visitor Center - Sacramento County, Summer

3.6 Paving - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0776	0.0412	0.5877	1.4400e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		142.8323	142.8323	4.0900e-003		142.9346
Total	0.0776	0.0412	0.5877	1.4400e-003	0.1369	9.5000e-004	0.1379	0.0363	8.8000e-004	0.0372		142.8323	142.8323	4.0900e-003		142.9346

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	74.1600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	74.4022	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Visitor Center - Sacramento County, Summer

3.7 Architectural Coating - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0129	6.8600e-003	0.0980	2.4000e-004	0.0228	1.6000e-004	0.0230	6.0500e-003	1.5000e-004	6.2000e-003		23.8054	23.8054	6.8000e-004		23.8224
Total	0.0129	6.8600e-003	0.0980	2.4000e-004	0.0228	1.6000e-004	0.0230	6.0500e-003	1.5000e-004	6.2000e-003		23.8054	23.8054	6.8000e-004		23.8224

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	74.1600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	74.4022	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Visitor Center - Sacramento County, Summer

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0129	6.8600e-003	0.0980	2.4000e-004	0.0228	1.6000e-004	0.0230	6.0500e-003	1.5000e-004	6.2000e-003		23.8054	23.8054	6.8000e-004		23.8224
Total	0.0129	6.8600e-003	0.0980	2.4000e-004	0.0228	1.6000e-004	0.0230	6.0500e-003	1.5000e-004	6.2000e-003		23.8054	23.8054	6.8000e-004		23.8224

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Visitor Center - Sacramento County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
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
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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Government (Civic Center)	10.00	5.00	6.50	75.00	20.00	5.00	50	34	16

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Government (Civic Center)	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

Visitor Center - Sacramento County, Summer

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	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					
Government (Civic 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
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

Visitor Center - Sacramento County, Summer

5.2 Energy by Land Use - NaturalGas**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government (Civic 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
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

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	0.9580	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Unmitigated	0.9580	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Visitor Center - Sacramento County, Summer

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Total	0.9580	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1016					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8560					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	3.8000e-004	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003
Total	0.9580	4.0000e-005	4.0900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		8.7500e-003	8.7500e-003	2.0000e-005		9.3300e-003

7.0 Water Detail

Visitor Center - Sacramento County, Summer

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation