

Appendix B

Air Quality and Greenhouse Gas Calculations

Folsom Buildings - no operational mobile - Sacramento County, Annual

**Folsom Buildings - no operational mobile
Sacramento County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	8.39	1000sqft	0.19	8,390.00	0
Unrefrigerated Warehouse-No Rail	18.41	1000sqft	0.42	18,410.00	0
Unrefrigerated Warehouse-No Rail	4.47	1000sqft	0.10	4,470.00	0
Unrefrigerated Warehouse-No Rail	31.72	1000sqft	0.73	31,720.00	0
Unrefrigerated Warehouse-No Rail	4.10	1000sqft	0.09	4,100.00	0
Unrefrigerated Warehouse-No Rail	4.50	1000sqft	0.10	4,500.00	0
Unrefrigerated Warehouse-No Rail	52.50	1000sqft	1.21	52,500.00	0
Unrefrigerated Warehouse-No Rail	4.31	1000sqft	0.10	4,310.00	0
Unrefrigerated Warehouse-No Rail	5.84	1000sqft	0.13	5,840.00	0
Unrefrigerated Warehouse-No Rail	3.19	1000sqft	0.07	3,190.00	0
Unrefrigerated Warehouse-No Rail	6.79	1000sqft	0.16	6,790.00	0
Unrefrigerated Warehouse-No Rail	21.10	1000sqft	0.48	21,100.00	0
General Office Building	1.17	1000sqft	0.03	1,170.00	0
General Office Building	7.92	1000sqft	0.18	7,920.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensiv	278.51	CH4 Intensiv	0.008	N2O Intensiv	0.001

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(lb/MW hr)

(lb/MW hr)

(lb/MW hr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted 2050 RPS, assumed same as 2030 50% RPS goal.

Land Use - Data from applicant.

Construction Phase -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Trips - No operational mobile, mobile emissions are quantified in a separate CalEEMod run.

Energy Use - .

Energy Mitigation - Adjusted 2016 Title 24 standards for nonresidential.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.008
tblProjectCharacteristics	CO2IntensityFactor	590.31	278.51
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.5140	0.5140
2	4-1-2022	6-30-2022	0.6838	0.6838
3	7-1-2022	9-30-2022	0.6913	0.6913
4	10-1-2022	12-31-2022	0.6949	0.6949
5	1-1-2023	3-31-2023	0.9025	0.9025
		Highest	0.9025	0.9025

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	0.7622	2.0000e-005	2.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3300e-003	4.3300e-003	1.0000e-005	0.0000	4.6100e-003
Energy	1.0900e-003	9.9200e-003	8.3300e-003	6.0000e-005		7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	96.0492	96.0492	2.6600e-003	5.0000e-004	96.2658
Mobile	1.0168	4.7556	14.7766	0.0561	1.2306	0.0401	1.2707	0.4214	0.0373	0.4587	0.0000	5,163.0140	5,163.0140	0.1951	0.0000	5,167.8909
Waste						0.0000	0.0000		0.0000	0.0000	33.2601	0.0000	33.2601	1.9656	0.0000	82.4004
Water						0.0000	0.0000		0.0000	0.0000	14.0975	25.5189	39.6164	0.0493	0.0308	50.0110
Total	1.7801	4.7655	14.7871	0.0562	1.2306	0.0409	1.2714	0.4214	0.0381	0.4594	47.3576	5,284.5864	5,331.9440	2.2126	0.0313	5,396.5727

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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	0.7622	2.0000e-005	2.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3300e-003	4.3300e-003	1.0000e-005	0.0000	4.6100e-003
Energy	1.0400e-003	9.4400e-003	7.9300e-003	6.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	94.9443	94.9443	2.6300e-003	4.9000e-004	95.1567
Mobile	1.0168	4.7556	14.7766	0.0561	1.2306	0.0401	1.2707	0.4214	0.0373	0.4587	0.0000	5,163.0140	5,163.0140	0.1951	0.0000	5,167.8909
Waste						0.0000	0.0000		0.0000	0.0000	33.2601	0.0000	33.2601	1.9656	0.0000	82.4004
Water						0.0000	0.0000		0.0000	0.0000	14.0975	25.5189	39.6164	0.0493	0.0308	50.0110
Total	1.7800	4.7651	14.7867	0.0562	1.2306	0.0408	1.2714	0.4214	0.0381	0.4594	47.3576	5,283.4815	5,330.8391	2.2126	0.0312	5,395.4637

	ROG	NOx	CO	SO2	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	0.01	0.00	0.00	0.00	0.07	0.00	0.00	0.08	0.01	0.00	0.02	0.02	0.00	0.03	0.02

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/29/2022	2/4/2022	5	5	
2	Grading	Grading	2/5/2022	2/16/2022	5	8	
3	Building Construction	Building Construction	2/17/2022	1/4/2023	5	230	
4	Paving	Paving	1/5/2023	1/30/2023	5	18	
5	Architectural Coating	Architectural Coating	1/31/2023	2/23/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 261,615; Non-Residential Outdoor: 87,205; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	14.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	72.00	29.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274
Total	7.9300e-003	0.0827	0.0492	1.0000e-004	0.0452	4.0300e-003	0.0492	0.0248	3.7100e-003	0.0285	0.0000	8.3599	8.3599	2.7000e-003	0.0000	8.4274

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.3000e-004	1.4700e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4048	0.4048	1.0000e-005	0.0000	0.4050
Total	2.0000e-004	1.3000e-004	1.4700e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4048	0.4048	1.0000e-005	0.0000	0.4050

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3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9300e-003	0.0827	0.0492	1.0000e-004		4.0300e-003	4.0300e-003		3.7100e-003	3.7100e-003	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274
Total	7.9300e-003	0.0827	0.0492	1.0000e-004	0.0452	4.0300e-003	0.0492	0.0248	3.7100e-003	0.0285	0.0000	8.3598	8.3598	2.7000e-003	0.0000	8.4274

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.3000e-004	1.4700e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4048	0.4048	1.0000e-005	0.0000	0.4050
Total	2.0000e-004	1.3000e-004	1.4700e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4048	0.4048	1.0000e-005	0.0000	0.4050

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3.3 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	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	7.7900e-003	0.0834	0.0611	1.2000e-004	0.0262	3.7600e-003	0.0300	0.0135	3.4600e-003	0.0169	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	1.9600e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5397	0.5397	1.0000e-005	0.0000	0.5400
Total	2.6000e-004	1.7000e-004	1.9600e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5397	0.5397	1.0000e-005	0.0000	0.5400

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3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.0834	0.0611	1.2000e-004		3.7600e-003	3.7600e-003		3.4600e-003	3.4600e-003	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062
Total	7.7900e-003	0.0834	0.0611	1.2000e-004	0.0262	3.7600e-003	0.0300	0.0135	3.4600e-003	0.0169	0.0000	10.4219	10.4219	3.3700e-003	0.0000	10.5062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.7000e-004	1.9600e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5397	0.5397	1.0000e-005	0.0000	0.5400
Total	2.6000e-004	1.7000e-004	1.9600e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5397	0.5397	1.0000e-005	0.0000	0.5400

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3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1937	1.7724	1.8573	3.0600e-003		0.0918	0.0918		0.0864	0.0864	0.0000	263.0082	263.0082	0.0630	0.0000	264.5834
Total	0.1937	1.7724	1.8573	3.0600e-003		0.0918	0.0918		0.0864	0.0864	0.0000	263.0082	263.0082	0.0630	0.0000	264.5834

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.3571	0.0942	9.9000e-004	0.0251	1.0200e-003	0.0262	7.2600e-003	9.7000e-004	8.2400e-003	0.0000	95.3906	95.3906	4.8100e-003	0.0000	95.5108
Worker	0.0358	0.0238	0.2671	8.1000e-004	0.0900	5.9000e-004	0.0906	0.0239	5.4000e-004	0.0245	0.0000	73.5035	73.5035	1.7400e-003	0.0000	73.5470
Total	0.0470	0.3809	0.3613	1.8000e-003	0.1151	1.6100e-003	0.1167	0.0312	1.5100e-003	0.0327	0.0000	168.8941	168.8941	6.5500e-003	0.0000	169.0578

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3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1937	1.7724	1.8572	3.0600e-003		0.0918	0.0918		0.0864	0.0864	0.0000	263.0078	263.0078	0.0630	0.0000	264.5831
Total	0.1937	1.7724	1.8572	3.0600e-003		0.0918	0.0918		0.0864	0.0864	0.0000	263.0078	263.0078	0.0630	0.0000	264.5831

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0112	0.3571	0.0942	9.9000e-004	0.0251	1.0200e-003	0.0262	7.2600e-003	9.7000e-004	8.2400e-003	0.0000	95.3906	95.3906	4.8100e-003	0.0000	95.5108
Worker	0.0358	0.0238	0.2671	8.1000e-004	0.0900	5.9000e-004	0.0906	0.0239	5.4000e-004	0.0245	0.0000	73.5035	73.5035	1.7400e-003	0.0000	73.5470
Total	0.0470	0.3809	0.3613	1.8000e-003	0.1151	1.6100e-003	0.1167	0.0312	1.5100e-003	0.0327	0.0000	168.8941	168.8941	6.5500e-003	0.0000	169.0578

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3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3600e-003	0.0216	0.0244	4.0000e-005		1.0500e-003	1.0500e-003		9.9000e-004	9.9000e-004	0.0000	3.4771	3.4771	8.3000e-004	0.0000	3.4978
Total	2.3600e-003	0.0216	0.0244	4.0000e-005		1.0500e-003	1.0500e-003		9.9000e-004	9.9000e-004	0.0000	3.4771	3.4771	8.3000e-004	0.0000	3.4978

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	3.9200e-003	1.1000e-003	1.0000e-005	3.3000e-004	1.0000e-005	3.4000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	1.2376	1.2376	6.0000e-005	0.0000	1.2390
Worker	4.4000e-004	2.8000e-004	3.2500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9349	0.9349	2.0000e-005	0.0000	0.9354
Total	5.6000e-004	4.2000e-003	4.3500e-003	2.0000e-005	1.5200e-003	2.0000e-005	1.5400e-003	4.2000e-004	2.0000e-005	4.2000e-004	0.0000	2.1725	2.1725	8.0000e-005	0.0000	2.1744

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3.4 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3600e-003	0.0216	0.0244	4.0000e-005		1.0500e-003	1.0500e-003		9.9000e-004	9.9000e-004	0.0000	3.4771	3.4771	8.3000e-004	0.0000	3.4978
Total	2.3600e-003	0.0216	0.0244	4.0000e-005		1.0500e-003	1.0500e-003		9.9000e-004	9.9000e-004	0.0000	3.4771	3.4771	8.3000e-004	0.0000	3.4978

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2000e-004	3.9200e-003	1.1000e-003	1.0000e-005	3.3000e-004	1.0000e-005	3.4000e-004	1.0000e-004	1.0000e-005	1.0000e-004	0.0000	1.2376	1.2376	6.0000e-005	0.0000	1.2390
Worker	4.4000e-004	2.8000e-004	3.2500e-003	1.0000e-005	1.1900e-003	1.0000e-005	1.2000e-003	3.2000e-004	1.0000e-005	3.2000e-004	0.0000	0.9349	0.9349	2.0000e-005	0.0000	0.9354
Total	5.6000e-004	4.2000e-003	4.3500e-003	2.0000e-005	1.5200e-003	2.0000e-005	1.5400e-003	4.2000e-004	2.0000e-005	4.2000e-004	0.0000	2.1725	2.1725	8.0000e-005	0.0000	2.1744

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3.5 Paving - 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	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	4.7000e-004	5.4100e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5582	1.5582	3.0000e-005	0.0000	1.5590
Total	7.4000e-004	4.7000e-004	5.4100e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5582	1.5582	3.0000e-005	0.0000	1.5590

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3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.2600e-003	0.0791	0.1097	1.7000e-004		3.9200e-003	3.9200e-003		3.6200e-003	3.6200e-003	0.0000	14.7407	14.7407	4.6300e-003	0.0000	14.8565

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.4000e-004	4.7000e-004	5.4100e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5582	1.5582	3.0000e-005	0.0000	1.5590
Total	7.4000e-004	4.7000e-004	5.4100e-003	2.0000e-005	1.9800e-003	1.0000e-005	1.9900e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.5582	1.5582	3.0000e-005	0.0000	1.5590

Folsom Buildings - no operational mobile - Sacramento County, Annual

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8084					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.8101	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.3000e-004	3.7900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0907	1.0907	2.0000e-005	0.0000	1.0913
Total	5.2000e-004	3.3000e-004	3.7900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0907	1.0907	2.0000e-005	0.0000	1.0913

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3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8084					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.7200e-003	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014
Total	0.8101	0.0117	0.0163	3.0000e-005		6.4000e-004	6.4000e-004		6.4000e-004	6.4000e-004	0.0000	2.2979	2.2979	1.4000e-004	0.0000	2.3014

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.3000e-004	3.7900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0907	1.0907	2.0000e-005	0.0000	1.0913
Total	5.2000e-004	3.3000e-004	3.7900e-003	1.0000e-005	1.3900e-003	1.0000e-005	1.4000e-003	3.7000e-004	1.0000e-005	3.8000e-004	0.0000	1.0907	1.0907	2.0000e-005	0.0000	1.0913

4.0 Operational Detail - Mobile

Folsom Buildings - no operational mobile - Sacramento County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0168	4.7556	14.7766	0.0561	1.2306	0.0401	1.2707	0.4214	0.0373	0.4587	0.0000	5,163.0140	5,163.0140	0.1951	0.0000	5,167.8909
Unmitigated	1.0168	4.7556	14.7766	0.0561	1.2306	0.0401	1.2707	0.4214	0.0373	0.4587	0.0000	5,163.0140	5,163.0140	0.1951	0.0000	5,167.8909

4.2 Trip Summary Information

Folsom Buildings - no operational mobile - Sacramento County, Annual

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	12.91	2.88	1.23	29,671	29,671
General Office Building	87.36	19.48	8.32	200,851	200,851
Unrefrigerated Warehouse-No Rail	14.10	14.10	14.10	59,030	59,030
Unrefrigerated Warehouse-No Rail	30.93	30.93	30.93	129,529	129,529
Unrefrigerated Warehouse-No Rail	7.51	7.51	7.51	31,450	31,450
Unrefrigerated Warehouse-No Rail	53.29	53.29	53.29	223,175	223,175
Unrefrigerated Warehouse-No Rail	6.89	6.89	6.89	28,847	28,847
Unrefrigerated Warehouse-No Rail	7.56	7.56	7.56	31,661	31,661
Unrefrigerated Warehouse-No Rail	88.20	88.20	88.20	369,378	369,378
Unrefrigerated Warehouse-No Rail	7.24	7.24	7.24	30,324	30,324
Unrefrigerated Warehouse-No Rail	9.81	9.81	9.81	41,089	41,089
Unrefrigerated Warehouse-No Rail	5.36	5.36	5.36	22,444	22,444
Unrefrigerated Warehouse-No Rail	11.41	11.41	11.41	47,773	47,773
Unrefrigerated Warehouse-No Rail	35.45	35.45	35.45	148,455	148,455
Total	378.00	300.10	287.28	1,393,677	1,393,677

4.3 Trip Type Information

Folsom Buildings - no operational mobile - Sacramento County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	15.00	7.50	8.50	33.00	48.00	19.00	77	19	4
General Office Building	15.00	7.50	8.50	33.00	48.00	19.00	77	19	4
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Folsom Buildings - no operational mobile - Sacramento County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
General Office Building	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
General Office Building	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Folsom Buildings - no operational mobile - 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						
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	84.6729	84.6729	2.4300e-003	3.0000e-004	84.8243	
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	85.2545	85.2545	2.4500e-003	3.1000e-004	85.4070	
NaturalGas Mitigated	1.0400e-003	9.4400e-003	7.9300e-003	6.0000e-005			7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.2714	10.2714	2.0000e-004	1.9000e-004	10.3325
NaturalGas Unmitigated	1.0900e-003	9.9200e-003	8.3300e-003	6.0000e-005			7.5000e-004	7.5000e-004		7.5000e-004	7.5000e-004	0.0000	10.7947	10.7947	2.1000e-004	2.0000e-004	10.8588

5.2 Energy by Land Use - NaturalGas

Unmitigated

Folsom Buildings - no operational mobile - Sacramento County, Annual

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	104227	5.6000e-004	5.1100e-003	4.2900e-003	3.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	5.5620	5.5620	1.1000e-004	1.0000e-004	5.5950
General Office Building	15397.2	8.0000e-005	7.5000e-004	6.3000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8217	0.8217	2.0000e-005	2.0000e-005	0.8265
Unrefrigerated Warehouse-No Rail	10550	6.0000e-005	5.2000e-004	4.3000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5630	0.5630	1.0000e-005	1.0000e-005	0.5663
Unrefrigerated Warehouse-No Rail	15860	9.0000e-005	7.8000e-004	6.5000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8464	0.8464	2.0000e-005	2.0000e-005	0.8514
Unrefrigerated Warehouse-No Rail	1595	1.0000e-005	8.0000e-005	7.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.0851	0.0851	0.0000	0.0000	0.0856
Unrefrigerated Warehouse-No Rail	2050	1.0000e-005	1.0000e-004	8.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1094	0.1094	0.0000	0.0000	0.1101
Unrefrigerated Warehouse-No Rail	2155	1.0000e-005	1.1000e-004	9.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1150	0.1150	0.0000	0.0000	0.1157
Unrefrigerated Warehouse-No Rail	2235	1.0000e-005	1.1000e-004	9.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1193	0.1193	0.0000	0.0000	0.1200
Unrefrigerated Warehouse-No Rail	2250	1.0000e-005	1.1000e-004	9.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1201	0.1201	0.0000	0.0000	0.1208
Unrefrigerated Warehouse-No Rail	26250	1.4000e-004	1.2900e-003	1.0800e-003	1.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	1.4008	1.4008	3.0000e-005	3.0000e-005	1.4091
Unrefrigerated Warehouse-No Rail	2920	2.0000e-005	1.4000e-004	1.2000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1558	0.1558	0.0000	0.0000	0.1568
Unrefrigerated Warehouse-No Rail	3395	2.0000e-005	1.7000e-004	1.4000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1812	0.1812	0.0000	0.0000	0.1823
Unrefrigerated Warehouse-No Rail	4195	2.0000e-005	2.1000e-004	1.7000e-004	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.2239	0.2239	0.0000	0.0000	0.2252
Unrefrigerated Warehouse-No Rail	9205	5.0000e-005	4.5000e-004	3.8000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4912	0.4912	1.0000e-005	1.0000e-005	0.4941
Total		1.0900e-003	9.9300e-003	8.3100e-003	4.0000e-005		7.7000e-004	7.7000e-004		7.7000e-004	7.7000e-004	0.0000	10.7947	10.7947	2.0000e-004	1.9000e-004	10.8588

5.2 Energy by Land Use - Natural Gas

Folsom Buildings - no operational mobile - Sacramento County, Annual

Mitigated

Folsom Buildings - no operational mobile - Sacramento County, Annual

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Office Building	14667.1	8.0000e-005	7.2000e-004	6.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7827	0.7827	2.0000e-005	1.0000e-005	0.7873
General Office Building	99285.1	5.4000e-004	4.8700e-003	4.0900e-003	3.0000e-005		3.7000e-004	3.7000e-004		3.7000e-004	3.7000e-004	0.0000	5.2982	5.2982	1.0000e-004	1.0000e-004	5.3297
Unrefrigerated Warehouse-No Rail	10022.5	5.0000e-005	4.9000e-004	4.1000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005	0.0000	0.5348	0.5348	1.0000e-005	1.0000e-005	0.5380
Unrefrigerated Warehouse-No Rail	15067	8.0000e-005	7.4000e-004	6.2000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.8040	0.8040	2.0000e-005	1.0000e-005	0.8088
Unrefrigerated Warehouse-No Rail	1515.25	1.0000e-005	7.0000e-005	6.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.0809	0.0809	0.0000	0.0000	0.0813
Unrefrigerated Warehouse-No Rail	1947.5	1.0000e-005	1.0000e-004	8.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1039	0.1039	0.0000	0.0000	0.1045
Unrefrigerated Warehouse-No Rail	2047.25	1.0000e-005	1.0000e-004	8.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1093	0.1093	0.0000	0.0000	0.1099
Unrefrigerated Warehouse-No Rail	2123.25	1.0000e-005	1.0000e-004	9.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1133	0.1133	0.0000	0.0000	0.1140
Unrefrigerated Warehouse-No Rail	2137.5	1.0000e-005	1.0000e-004	9.0000e-005	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1141	0.1141	0.0000	0.0000	0.1147
Unrefrigerated Warehouse-No Rail	24937.5	1.3000e-004	1.2200e-003	1.0300e-003	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005	0.0000	1.3308	1.3308	3.0000e-005	2.0000e-005	1.3387
Unrefrigerated Warehouse-No Rail	2774	1.0000e-005	1.4000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1480	0.1480	0.0000	0.0000	0.1489
Unrefrigerated Warehouse-No Rail	3225.25	2.0000e-005	1.6000e-004	1.3000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.1721	0.1721	0.0000	0.0000	0.1731
Unrefrigerated Warehouse-No Rail	3985.25	2.0000e-005	2.0000e-004	1.6000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	0.2127	0.2127	0.0000	0.0000	0.2139
Unrefrigerated Warehouse-No Rail	8744.75	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.4667	0.4667	1.0000e-005	1.0000e-005	0.4694
Total		1.0300e-003	9.4400e-003	7.9100e-003	4.0000e-005		7.2000e-004	7.2000e-004		7.2000e-004	7.2000e-004	0.0000	10.2714	10.2714	1.9000e-004	1.6000e-004	10.3325

5.3 Energy by Land Use - Electricity

Folsom Buildings - no operational mobile - Sacramento County, Annual

Unmitigated

Folsom Buildings - no operational mobile - Sacramento County, Annual

Land Use	Electricity Use kWh/yr	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
General Office Building	116978	14.7779	4.2000e-004	5.0000e-005	14.8043
General Office Building	17280.9	2.1831	6.0000e-005	1.0000e-005	2.1870
Unrefrigerated Warehouse-No Rail	103724	13.1035	3.8000e-004	5.0000e-005	13.1269
Unrefrigerated Warehouse-No Rail	10431.3	1.3178	4.0000e-005	0.0000	1.3201
Unrefrigerated Warehouse-No Rail	13407	1.6937	5.0000e-005	1.0000e-005	1.6967
Unrefrigerated Warehouse-No Rail	14093.7	1.7805	5.0000e-005	1.0000e-005	1.7836
Unrefrigerated Warehouse-No Rail	14616.9	1.8466	5.0000e-005	1.0000e-005	1.8499
Unrefrigerated Warehouse-No Rail	14715	1.8590	5.0000e-005	1.0000e-005	1.8623
Unrefrigerated Warehouse-No Rail	171675	21.6877	6.2000e-004	8.0000e-005	21.7265
Unrefrigerated Warehouse-No Rail	19096.8	2.4125	7.0000e-005	1.0000e-005	2.4168
Unrefrigerated Warehouse-No Rail	22203.3	2.8049	8.0000e-005	1.0000e-005	2.8100
Unrefrigerated Warehouse-No Rail	27435.3	3.4659	1.0000e-004	1.0000e-005	3.4721
Unrefrigerated Warehouse-No Rail	60200.7	7.6052	2.2000e-004	3.0000e-005	7.6188
Unrefrigerated Warehouse-No Rail	68997	8.7164	2.5000e-004	3.0000e-005	8.7320
Total		85.2545	2.4400e-003	3.2000e-004	85.4070

5.3 Energy by Land Use - Electricity

Folsom Buildings - no operational mobile - Sacramento County, Annual

Mitigated

Folsom Buildings - no operational mobile - Sacramento County, Annual

Land Use	Electricity Use kWh/yr	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
General Office Building	114911	14.5167	4.2000e-004	5.0000e-005	14.5427
General Office Building	16975.5	2.1445	6.0000e-005	1.0000e-005	2.1484
Unrefrigerated Warehouse-No Rail	103296	13.0494	3.7000e-004	5.0000e-005	13.0727
Unrefrigerated Warehouse-No Rail	10388.2	1.3124	4.0000e-005	0.0000	1.3147
Unrefrigerated Warehouse-No Rail	13351.7	1.6867	5.0000e-005	1.0000e-005	1.6897
Unrefrigerated Warehouse-No Rail	14035.5	1.7731	5.0000e-005	1.0000e-005	1.7763
Unrefrigerated Warehouse-No Rail	14556.6	1.8389	5.0000e-005	1.0000e-005	1.8422
Unrefrigerated Warehouse-No Rail	14654.3	1.8513	5.0000e-005	1.0000e-005	1.8546
Unrefrigerated Warehouse-No Rail	170966	21.5982	6.2000e-004	8.0000e-005	21.6368
Unrefrigerated Warehouse-No Rail	19018	2.4025	7.0000e-005	1.0000e-005	2.4068
Unrefrigerated Warehouse-No Rail	22111.6	2.7934	8.0000e-005	1.0000e-005	2.7984
Unrefrigerated Warehouse-No Rail	27322	3.4516	1.0000e-004	1.0000e-005	3.4578
Unrefrigerated Warehouse-No Rail	59952.2	7.5738	2.2000e-004	3.0000e-005	7.5873
Unrefrigerated Warehouse-No Rail	68712.1	8.6804	2.5000e-004	3.0000e-005	8.6959
Total		84.6729	2.4300e-003	3.2000e-004	84.8243

6.0 Area Detail

Folsom Buildings - no operational mobile - Sacramento County, Annual

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7622	2.0000e-005	2.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3300e-003	4.3300e-003	1.0000e-005	0.0000	4.6100e-003
Unmitigated	0.7622	2.0000e-005	2.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3300e-003	4.3300e-003	1.0000e-005	0.0000	4.6100e-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	0.0808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	2.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3300e-003	4.3300e-003	1.0000e-005	0.0000	4.6100e-003
Total	0.7622	2.0000e-005	2.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3300e-003	4.3300e-003	1.0000e-005	0.0000	4.6100e-003

Folsom Buildings - no operational mobile - 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	0.0808					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6812					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.0000e-004	2.0000e-005	2.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3300e-003	4.3300e-003	1.0000e-005	0.0000	4.6100e-003
Total	0.7622	2.0000e-005	2.2100e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.3300e-003	4.3300e-003	1.0000e-005	0.0000	4.6100e-003

7.0 Water Detail

7.1 Mitigation Measures Water

Folsom Buildings - no operational mobile - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	39.6164	0.0493	0.0308	50.0110
Unmitigated	39.6164	0.0493	0.0308	50.0110

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.6156 / 0.990206	2.0264	2.0100e-003	1.2500e-003	2.4486
Unrefrigerated Warehouse-No Rail	38.2302 / 0	37.5900	0.0473	0.0295	47.5624
Total		39.6164	0.0493	0.0308	50.0110

Folsom Buildings - no operational mobile - Sacramento County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	1.6156 / 0.990206	2.0264	2.0100e-003	1.2500e-003	2.4486
Unrefrigerated Warehouse-No Rail	38.2302 / 0	37.5900	0.0473	0.0295	47.5624
Total		39.6164	0.0493	0.0308	50.0110

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.2601	1.9656	0.0000	82.4004
Unmitigated	33.2601	1.9656	0.0000	82.4004

Folsom Buildings - no operational mobile - Sacramento County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	8.45	1.7153	0.1014	0.0000	4.2495
Unrefrigerated Warehouse-No Rail	155.4	31.5448	1.8642	0.0000	78.1509
Total		33.2601	1.9656	0.0000	82.4004

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	8.45	1.7153	0.1014	0.0000	4.2495
Unrefrigerated Warehouse-No Rail	155.4	31.5448	1.8642	0.0000	78.1509
Total		33.2601	1.9656	0.0000	82.4004

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Folsom Buildings - no operational mobile - 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
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Boilers

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

User Defined Equipment

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

11.0 Vegetation

Folsom Buildings - no operational mobile - Sacramento County, Summer

Folsom Buildings - no operational mobile
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	8.39	1000sqft	0.19	8,390.00	0
Unrefrigerated Warehouse-No Rail	18.41	1000sqft	0.42	18,410.00	0
Unrefrigerated Warehouse-No Rail	4.47	1000sqft	0.10	4,470.00	0
Unrefrigerated Warehouse-No Rail	31.72	1000sqft	0.73	31,720.00	0
Unrefrigerated Warehouse-No Rail	4.10	1000sqft	0.09	4,100.00	0
Unrefrigerated Warehouse-No Rail	4.50	1000sqft	0.10	4,500.00	0
Unrefrigerated Warehouse-No Rail	52.50	1000sqft	1.21	52,500.00	0
Unrefrigerated Warehouse-No Rail	4.31	1000sqft	0.10	4,310.00	0
Unrefrigerated Warehouse-No Rail	5.84	1000sqft	0.13	5,840.00	0
Unrefrigerated Warehouse-No Rail	3.19	1000sqft	0.07	3,190.00	0
Unrefrigerated Warehouse-No Rail	6.79	1000sqft	0.16	6,790.00	0
Unrefrigerated Warehouse-No Rail	21.10	1000sqft	0.48	21,100.00	0
General Office Building	1.17	1000sqft	0.03	1,170.00	0
General Office Building	7.92	1000sqft	0.18	7,920.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensiv	278.51	CH4 Intensiv	0.008	N2O Intensiv	0.001

Folsom Buildings - no operational mobile - Sacramento County, Summer

(lb/MW hr)

(lb/MW hr)

(lb/MW hr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted 2050 RPS, assumed same as 2030 50% RPS goal.

Land Use - Data from applicant.

Construction Phase -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Trips - No operational mobile, mobile emissions are quantified in a separate CalEEMod run.

Energy Use - .

Energy Mitigation - Adjusted 2016 Title 24 standards for nonresidential.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.008
tblProjectCharacteristics	CO2IntensityFactor	590.31	278.51
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Folsom Buildings - no operational mobile - 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	4.1770	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Energy	5.9800e-003	0.0543	0.0456	3.3000e-004		4.1300e-003	4.1300e-003		4.1300e-003	4.1300e-003		65.2005	65.2005	1.2500e-003	1.2000e-003	65.5879
Mobile	6.9952	25.3102	95.2689	0.3375	7.0381	0.2222	7.2603	2.3897	0.2067	2.5965		34,184.49 97	34,184.49 97	1.2391		34,215.47 61
Total	11.1781	25.3647	95.3323	0.3379	7.0381	0.2264	7.2645	2.3897	0.2109	2.6007		34,249.73 83	34,249.73 83	1.2404	1.2000e-003	34,281.10 46

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	4.1770	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Energy	5.6900e-003	0.0517	0.0434	3.1000e-004		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003		62.0401	62.0401	1.1900e-003	1.1400e-003	62.4087
Mobile	6.9952	25.3102	95.2689	0.3375	7.0381	0.2222	7.2603	2.3897	0.2067	2.5965		34,184.49 97	34,184.49 97	1.2391		34,215.47 61
Total	11.1778	25.3621	95.3301	0.3378	7.0381	0.2262	7.2643	2.3897	0.2107	2.6005		34,246.57 79	34,246.57 79	1.2404	1.1400e-003	34,277.92 55

Folsom Buildings - no operational mobile - 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	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.09	0.01	0.00	0.01	0.01	0.00	5.00	0.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/29/2022	2/4/2022	5	5	
2	Grading	Grading	2/5/2022	2/16/2022	5	8	
3	Building Construction	Building Construction	2/17/2022	1/4/2023	5	230	
4	Paving	Paving	1/5/2023	1/30/2023	5	18	
5	Architectural Coating	Architectural Coating	1/31/2023	2/23/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 261,615; Non-Residential Outdoor: 87,205; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Folsom Buildings - no operational mobile - 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	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	14.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	72.00	29.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0881	0.0474	0.7107	1.9800e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		197.5516	197.5516	4.7800e-003		197.6712
Total	0.0881	0.0474	0.7107	1.9800e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		197.5516	197.5516	4.7800e-003		197.6712

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0881	0.0474	0.7107	1.9800e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		197.5516	197.5516	4.7800e-003		197.6712
Total	0.0881	0.0474	0.7107	1.9800e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		197.5516	197.5516	4.7800e-003		197.6712

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.3 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0395	0.5923	1.6500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		164.6264	164.6264	3.9900e-003		164.7260
Total	0.0734	0.0395	0.5923	1.6500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		164.6264	164.6264	3.9900e-003		164.7260

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0395	0.5923	1.6500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		164.6264	164.6264	3.9900e-003		164.7260
Total	0.0734	0.0395	0.5923	1.6500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		164.6264	164.6264	3.9900e-003		164.7260

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0971	3.0777	0.7853	8.8200e-003	0.2279	8.7900e-003	0.2367	0.0656	8.4000e-003	0.0740		934.6082	934.6082	0.0453		935.7411
Worker	0.3523	0.1897	2.8428	7.9300e-003	0.8212	5.1800e-003	0.8264	0.2178	4.7700e-003	0.2226		790.2065	790.2065	0.0191		790.6850
Total	0.4494	3.2674	3.6281	0.0168	1.0491	0.0140	1.0631	0.2833	0.0132	0.2965		1,724.8147	1,724.8147	0.0645		1,726.4261

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0971	3.0777	0.7853	8.8200e-003	0.2279	8.7900e-003	0.2367	0.0656	8.4000e-003	0.0740		934.6082	934.6082	0.0453		935.7411
Worker	0.3523	0.1897	2.8428	7.9300e-003	0.8212	5.1800e-003	0.8264	0.2178	4.7700e-003	0.2226		790.2065	790.2065	0.0191		790.6850
Total	0.4494	3.2674	3.6281	0.0168	1.0491	0.0140	1.0631	0.2833	0.0132	0.2965		1,724.8147	1,724.8147	0.0645		1,726.4261

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.4 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0763	2.5673	0.6965	8.6500e-003	0.2279	4.1000e-003	0.2320	0.0656	3.9200e-003	0.0695		917.4627	917.4627	0.0410		918.4870
Worker	0.3298	0.1709	2.6190	7.6300e-003	0.8212	5.0500e-003	0.8263	0.2178	4.6500e-003	0.2224		760.4745	760.4745	0.0172		760.9036
Total	0.4060	2.7382	3.3155	0.0163	1.0491	9.1500e-003	1.0583	0.2833	8.5700e-003	0.2919		1,677.9372	1,677.9372	0.0581		1,679.3906

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.4 Building Construction - 2023

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0763	2.5673	0.6965	8.6500e-003	0.2279	4.1000e-003	0.2320	0.0656	3.9200e-003	0.0695		917.4627	917.4627	0.0410		918.4870
Worker	0.3298	0.1709	2.6190	7.6300e-003	0.8212	5.0500e-003	0.8263	0.2178	4.6500e-003	0.2224		760.4745	760.4745	0.0172		760.9036
Total	0.4060	2.7382	3.3155	0.0163	1.0491	9.1500e-003	1.0583	0.2833	8.5700e-003	0.2919		1,677.9372	1,677.9372	0.0581		1,679.3906

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0916	0.0475	0.7275	2.1200e-003	0.2281	1.4000e-003	0.2295	0.0605	1.2900e-003	0.0618		211.2429	211.2429	4.7700e-003		211.3621
Total	0.0916	0.0475	0.7275	2.1200e-003	0.2281	1.4000e-003	0.2295	0.0605	1.2900e-003	0.0618		211.2429	211.2429	4.7700e-003		211.3621

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0916	0.0475	0.7275	2.1200e-003	0.2281	1.4000e-003	0.2295	0.0605	1.2900e-003	0.0618		211.2429	211.2429	4.7700e-003		211.3621
Total	0.0916	0.0475	0.7275	2.1200e-003	0.2281	1.4000e-003	0.2295	0.0605	1.2900e-003	0.0618		211.2429	211.2429	4.7700e-003		211.3621

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.8212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	90.0128	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0641	0.0332	0.5093	1.4800e-003	0.1597	9.8000e-004	0.1607	0.0424	9.0000e-004	0.0433		147.8701	147.8701	3.3400e-003		147.9535
Total	0.0641	0.0332	0.5093	1.4800e-003	0.1597	9.8000e-004	0.1607	0.0424	9.0000e-004	0.0433		147.8701	147.8701	3.3400e-003		147.9535

Folsom Buildings - no operational mobile - Sacramento County, Summer

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.8212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	90.0128	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0641	0.0332	0.5093	1.4800e-003	0.1597	9.8000e-004	0.1607	0.0424	9.0000e-004	0.0433		147.8701	147.8701	3.3400e-003		147.9535
Total	0.0641	0.0332	0.5093	1.4800e-003	0.1597	9.8000e-004	0.1607	0.0424	9.0000e-004	0.0433		147.8701	147.8701	3.3400e-003		147.9535

4.0 Operational Detail - Mobile

Folsom Buildings - no operational mobile - Sacramento County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.9952	25.3102	95.2689	0.3375	7.0381	0.2222	7.2603	2.3897	0.2067	2.5965		34,184.49 97	34,184.49 97	1.2391		34,215.47 61
Unmitigated	6.9952	25.3102	95.2689	0.3375	7.0381	0.2222	7.2603	2.3897	0.2067	2.5965		34,184.49 97	34,184.49 97	1.2391		34,215.47 61

4.2 Trip Summary Information

Folsom Buildings - no operational mobile - Sacramento County, Summer

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	12.91	2.88	1.23	29,671	29,671
General Office Building	87.36	19.48	8.32	200,851	200,851
Unrefrigerated Warehouse-No Rail	14.10	14.10	14.10	59,030	59,030
Unrefrigerated Warehouse-No Rail	30.93	30.93	30.93	129,529	129,529
Unrefrigerated Warehouse-No Rail	7.51	7.51	7.51	31,450	31,450
Unrefrigerated Warehouse-No Rail	53.29	53.29	53.29	223,175	223,175
Unrefrigerated Warehouse-No Rail	6.89	6.89	6.89	28,847	28,847
Unrefrigerated Warehouse-No Rail	7.56	7.56	7.56	31,661	31,661
Unrefrigerated Warehouse-No Rail	88.20	88.20	88.20	369,378	369,378
Unrefrigerated Warehouse-No Rail	7.24	7.24	7.24	30,324	30,324
Unrefrigerated Warehouse-No Rail	9.81	9.81	9.81	41,089	41,089
Unrefrigerated Warehouse-No Rail	5.36	5.36	5.36	22,444	22,444
Unrefrigerated Warehouse-No Rail	11.41	11.41	11.41	47,773	47,773
Unrefrigerated Warehouse-No Rail	35.45	35.45	35.45	148,455	148,455
Total	378.00	300.10	287.28	1,393,677	1,393,677

4.3 Trip Type Information

Folsom Buildings - no operational mobile - Sacramento County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	15.00	7.50	8.50	33.00	48.00	19.00	77	19	4
General Office Building	15.00	7.50	8.50	33.00	48.00	19.00	77	19	4
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Folsom Buildings - no operational mobile - Sacramento County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
General Office Building	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
General Office Building	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Folsom Buildings - no operational mobile - 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					
NaturalGas Mitigated	5.6900e-003	0.0517	0.0434	3.1000e-004		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003		62.0401	62.0401	1.1900e-003	1.1400e-003	62.4087
NaturalGas Unmitigated	5.9800e-003	0.0543	0.0456	3.3000e-004		4.1300e-003	4.1300e-003		4.1300e-003	4.1300e-003		65.2005	65.2005	1.2500e-003	1.2000e-003	65.5879

5.2 Energy by Land Use - NaturalGas

Unmitigated

Folsom Buildings - no operational mobile - Sacramento County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	42.1841	4.5000e-004	4.1400e-003	3.4700e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		4.9628	4.9628	1.0000e-004	9.0000e-005	4.9923
General Office Building	285.554	3.0800e-003	0.0280	0.0235	1.7000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003		33.5946	33.5946	6.4000e-004	6.2000e-004	33.7942
Unrefrigerated Warehouse-No Rail	11.4932	1.2000e-004	1.1300e-003	9.5000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3521	1.3521	3.0000e-005	2.0000e-005	1.3602
Unrefrigerated Warehouse-No Rail	25.2192	2.7000e-004	2.4700e-003	2.0800e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9670	2.9670	6.0000e-005	5.0000e-005	2.9846
Unrefrigerated Warehouse-No Rail	28.9041	3.1000e-004	2.8300e-003	2.3800e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		3.4005	3.4005	7.0000e-005	6.0000e-005	3.4207
Unrefrigerated Warehouse-No Rail	4.36986	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.5141	0.5141	1.0000e-005	1.0000e-005	0.5172
Unrefrigerated Warehouse-No Rail	43.4521	4.7000e-004	4.2600e-003	3.5800e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004		5.1120	5.1120	1.0000e-004	9.0000e-005	5.1424
Unrefrigerated Warehouse-No Rail	5.61644	6.0000e-005	5.5000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6608	0.6608	1.0000e-005	1.0000e-005	0.6647
Unrefrigerated Warehouse-No Rail	5.90411	6.0000e-005	5.8000e-004	4.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6946	0.6946	1.0000e-005	1.0000e-005	0.6987
Unrefrigerated Warehouse-No Rail	6.12329	7.0000e-005	6.0000e-004	5.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.7204	0.7204	1.0000e-005	1.0000e-005	0.7247
Unrefrigerated Warehouse-No Rail	6.16438	7.0000e-005	6.0000e-004	5.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.7252	0.7252	1.0000e-005	1.0000e-005	0.7295
Unrefrigerated Warehouse-No Rail	71.9178	7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004		8.4609	8.4609	1.6000e-004	1.6000e-004	8.5112
Unrefrigerated Warehouse-No Rail	8	9.0000e-005	7.8000e-004	6.6000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.9412	0.9412	2.0000e-005	2.0000e-005	0.9468
Unrefrigerated Warehouse-No Rail	9.30137	1.0000e-004	9.1000e-004	7.7000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.0943	1.0943	2.0000e-005	2.0000e-005	1.1008
Total		5.9800e-003	0.0543	0.0457	3.1000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003		65.2005	65.2005	1.2500e-003	1.1800e-003	65.5879

5.2 Energy by Land Use - NaturalGas

Folsom Buildings - no operational mobile - Sacramento County, Summer

Mitigated

Folsom Buildings - no operational mobile - Sacramento County, Summer

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0401839	4.3000e-004	3.9400e-003	3.3100e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		4.7275	4.7275	9.0000e-005	9.0000e-005	4.7556
General Office Building	0.272014	2.9300e-003	0.0267	0.0224	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003		32.0017	32.0017	6.1000e-004	5.9000e-004	32.1918
Unrefrigerated Warehouse-No Rail	0.00415137	4.0000e-005	4.1000e-004	3.4000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4884	0.4884	1.0000e-005	1.0000e-005	0.4913
Unrefrigerated Warehouse-No Rail	0.00533562	6.0000e-005	5.2000e-004	4.4000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6277	0.6277	1.0000e-005	1.0000e-005	0.6315
Unrefrigerated Warehouse-No Rail	0.0056089	6.0000e-005	5.5000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6599	0.6599	1.0000e-005	1.0000e-005	0.6638
Unrefrigerated Warehouse-No Rail	0.00581712	6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6844	0.6844	1.0000e-005	1.0000e-005	0.6884
Unrefrigerated Warehouse-No Rail	0.00585616	6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6890	0.6890	1.0000e-005	1.0000e-005	0.6931
Unrefrigerated Warehouse-No Rail	0.0076	8.0000e-005	7.5000e-004	6.3000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.8941	0.8941	2.0000e-005	2.0000e-005	0.8994
Unrefrigerated Warehouse-No Rail	0.0088363	1.0000e-004	8.7000e-004	7.3000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.0396	1.0396	2.0000e-005	2.0000e-005	1.0457
Unrefrigerated Warehouse-No Rail	0.0109185	1.2000e-004	1.0700e-003	9.0000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		1.2845	1.2845	2.0000e-005	2.0000e-005	1.2922
Unrefrigerated Warehouse-No Rail	0.0239582	2.6000e-004	2.3500e-003	1.9700e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8186	2.8186	5.0000e-005	5.0000e-005	2.8354
Unrefrigerated Warehouse-No Rail	0.0274589	3.0000e-004	2.6900e-003	2.2600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		3.2305	3.2305	6.0000e-005	6.0000e-005	3.2497
Unrefrigerated Warehouse-No Rail	0.0412795	4.5000e-004	4.0500e-003	3.4000e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		4.8564	4.8564	9.0000e-005	9.0000e-005	4.8853
Unrefrigerated Warehouse-No Rail	0.0683219	7.4000e-004	6.7000e-003	5.6300e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0379	8.0379	1.5000e-004	1.5000e-004	8.0856
Total		5.6900e-003	0.0517	0.0434	2.9000e-004		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003		62.0401	62.0401	1.1600e-003	1.1400e-003	62.4087

6.0 Area Detail

Folsom Buildings - no operational mobile - Sacramento County, Summer

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	4.1770	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Unmitigated	4.1770	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406

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	0.4430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Total	4.1769	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406

Folsom Buildings - no operational mobile - 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	0.4430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Total	4.1769	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406

7.0 Water Detail

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Folsom Buildings - no operational mobile - Sacramento County, Summer

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

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

Equipment Type	Number
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11.0 Vegetation

Folsom Buildings - no operational mobile - Sacramento County, Winter

Folsom Buildings - no operational mobile
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	8.39	1000sqft	0.19	8,390.00	0
Unrefrigerated Warehouse-No Rail	18.41	1000sqft	0.42	18,410.00	0
Unrefrigerated Warehouse-No Rail	4.47	1000sqft	0.10	4,470.00	0
Unrefrigerated Warehouse-No Rail	31.72	1000sqft	0.73	31,720.00	0
Unrefrigerated Warehouse-No Rail	4.10	1000sqft	0.09	4,100.00	0
Unrefrigerated Warehouse-No Rail	4.50	1000sqft	0.10	4,500.00	0
Unrefrigerated Warehouse-No Rail	52.50	1000sqft	1.21	52,500.00	0
Unrefrigerated Warehouse-No Rail	4.31	1000sqft	0.10	4,310.00	0
Unrefrigerated Warehouse-No Rail	5.84	1000sqft	0.13	5,840.00	0
Unrefrigerated Warehouse-No Rail	3.19	1000sqft	0.07	3,190.00	0
Unrefrigerated Warehouse-No Rail	6.79	1000sqft	0.16	6,790.00	0
Unrefrigerated Warehouse-No Rail	21.10	1000sqft	0.48	21,100.00	0
General Office Building	1.17	1000sqft	0.03	1,170.00	0
General Office Building	7.92	1000sqft	0.18	7,920.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensiv	278.51	CH4 Intensiv	0.008	N2O Intensiv	0.001

Folsom Buildings - no operational mobile - Sacramento County, Winter

(lb/MW hr)

(lb/MW hr)

(lb/MW hr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted 2050 RPS, assumed same as 2030 50% RPS goal.

Land Use - Data from applicant.

Construction Phase -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Trips - No operational mobile, mobile emissions are quantified in a separate CalEEMod run.

Energy Use - .

Energy Mitigation - Adjusted 2016 Title 24 standards for nonresidential.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.008
tblProjectCharacteristics	CO2IntensityFactor	590.31	278.51
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Folsom Buildings - no operational mobile - Sacramento County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	4.1770	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Energy	5.9800e-003	0.0543	0.0456	3.3000e-004		4.1300e-003	4.1300e-003		4.1300e-003	4.1300e-003		65.2005	65.2005	1.2500e-003	1.2000e-003	65.5879
Mobile	5.3676	27.2641	83.1018	0.3045	7.0381	0.2239	7.2620	2.3897	0.2084	2.5981		30,886.78 24	30,886.78 24	1.2066		30,916.94 71
Total	9.5505	27.3186	83.1651	0.3048	7.0381	0.2281	7.2662	2.3897	0.2126	2.6023		30,952.02 10	30,952.02 10	1.2079	1.2000e-003	30,982.57 56

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	4.1770	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Energy	5.6900e-003	0.0517	0.0434	3.1000e-004		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003		62.0401	62.0401	1.1900e-003	1.1400e-003	62.4087
Mobile	5.3676	27.2641	83.1018	0.3045	7.0381	0.2239	7.2620	2.3897	0.2084	2.5981		30,886.78 24	30,886.78 24	1.2066		30,916.94 71
Total	9.5503	27.3160	83.1629	0.3048	7.0381	0.2279	7.2660	2.3897	0.2124	2.6021		30,948.86 06	30,948.86 06	1.2079	1.1400e-003	30,979.39 64

Folsom Buildings - no operational mobile - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.01	0.00	0.01	0.00	0.09	0.00	0.00	0.09	0.01	0.00	0.01	0.01	0.00	5.00	0.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/29/2022	2/4/2022	5	5	
2	Grading	Grading	2/5/2022	2/16/2022	5	8	
3	Building Construction	Building Construction	2/17/2022	1/4/2023	5	230	
4	Paving	Paving	1/5/2023	1/30/2023	5	18	
5	Architectural Coating	Architectural Coating	1/31/2023	2/23/2023	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 261,615; Non-Residential Outdoor: 87,205; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Folsom Buildings - no operational mobile - Sacramento County, Winter

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	2	6.00	9	0.56
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Grading	Excavators	1	8.00	158	0.38
Paving	Pavers	1	8.00	130	0.42
Paving	Rollers	2	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Paving Equipment	2	6.00	132	0.36
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	14.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	72.00	29.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0860	0.0586	0.5827	1.7400e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		173.3507	173.3507	4.1100e-003		173.4535
Total	0.0860	0.0586	0.5827	1.7400e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		173.3507	173.3507	4.1100e-003		173.4535

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0860	0.0586	0.5827	1.7400e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		173.3507	173.3507	4.1100e-003		173.4535
Total	0.0860	0.0586	0.5827	1.7400e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		173.3507	173.3507	4.1100e-003		173.4535

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.3 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.0464	2,872.0464	0.9289		2,895.2684
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331		2,872.0464	2,872.0464	0.9289		2,895.2684

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0717	0.0488	0.4856	1.4500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		144.4590	144.4590	3.4200e-003		144.5446
Total	0.0717	0.0488	0.4856	1.4500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		144.4590	144.4590	3.4200e-003		144.5446

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	6.5523	0.9409	7.4932	3.3675	0.8656	4.2331	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0717	0.0488	0.4856	1.4500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		144.4590	144.4590	3.4200e-003		144.5446
Total	0.0717	0.0488	0.4856	1.4500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		144.4590	144.4590	3.4200e-003		144.5446

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.4 Building Construction - 2022

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1022	3.1461	0.8926	8.6300e-003	0.2279	9.2500e-003	0.2372	0.0656	8.8400e-003	0.0744		915.1535	915.1535	0.0486		916.3695
Worker	0.3440	0.2344	2.3309	6.9600e-003	0.8212	5.1800e-003	0.8264	0.2178	4.7700e-003	0.2226		693.4030	693.4030	0.0164		693.8139
Total	0.4461	3.3805	3.2236	0.0156	1.0491	0.0144	1.0636	0.2833	0.0136	0.2970		1,608.5565	1,608.5565	0.0651		1,610.1835

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1022	3.1461	0.8926	8.6300e-003	0.2279	9.2500e-003	0.2372	0.0656	8.8400e-003	0.0744		915.1535	915.1535	0.0486		916.3695
Worker	0.3440	0.2344	2.3309	6.9600e-003	0.8212	5.1800e-003	0.8264	0.2178	4.7700e-003	0.2226		693.4030	693.4030	0.0164		693.8139
Total	0.4461	3.3805	3.2236	0.0156	1.0491	0.0144	1.0636	0.2833	0.0136	0.2970		1,608.5565	1,608.5565	0.0651		1,610.1835

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.4 Building Construction - 2023

Unmitigated Construction On-Site

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

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0805	2.6108	0.7872	8.4700e-003	0.2279	4.3800e-003	0.2323	0.0656	4.1900e-003	0.0698		898.4181	898.4181	0.0438		899.5141
Worker	0.3230	0.2110	2.1386	6.7000e-003	0.8212	5.0500e-003	0.8263	0.2178	4.6500e-003	0.2224		667.3509	667.3509	0.0147		667.7187
Total	0.4035	2.8218	2.9259	0.0152	1.0491	9.4300e-003	1.0585	0.2833	8.8400e-003	0.2922		1,565.7690	1,565.7690	0.0586		1,567.2328

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.4 Building Construction - 2023

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0805	2.6108	0.7872	8.4700e-003	0.2279	4.3800e-003	0.2323	0.0656	4.1900e-003	0.0698		898.4181	898.4181	0.0438		899.5141
Worker	0.3230	0.2110	2.1386	6.7000e-003	0.8212	5.0500e-003	0.8263	0.2178	4.6500e-003	0.2224		667.3509	667.3509	0.0147		667.7187
Total	0.4035	2.8218	2.9259	0.0152	1.0491	9.4300e-003	1.0585	0.2833	8.8400e-003	0.2922		1,565.7690	1,565.7690	0.0586		1,567.2328

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.5 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025		1,805.4304	1,805.4304	0.5673		1,819.6122

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0897	0.0586	0.5941	1.8600e-003	0.2281	1.4000e-003	0.2295	0.0605	1.2900e-003	0.0618		185.3752	185.3752	4.0900e-003		185.4774
Total	0.0897	0.0586	0.5941	1.8600e-003	0.2281	1.4000e-003	0.2295	0.0605	1.2900e-003	0.0618		185.3752	185.3752	4.0900e-003		185.4774

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.5 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9181	8.7903	12.1905	0.0189		0.4357	0.4357		0.4025	0.4025	0.0000	1,805.4304	1,805.4304	0.5673		1,819.6122

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0897	0.0586	0.5941	1.8600e-003	0.2281	1.4000e-003	0.2295	0.0605	1.2900e-003	0.0618		185.3752	185.3752	4.0900e-003		185.4774
Total	0.0897	0.0586	0.5941	1.8600e-003	0.2281	1.4000e-003	0.2295	0.0605	1.2900e-003	0.0618		185.3752	185.3752	4.0900e-003		185.4774

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.8212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	90.0128	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0410	0.4159	1.3000e-003	0.1597	9.8000e-004	0.1607	0.0424	9.0000e-004	0.0433		129.7627	129.7627	2.8600e-003		129.8342
Total	0.0628	0.0410	0.4159	1.3000e-003	0.1597	9.8000e-004	0.1607	0.0424	9.0000e-004	0.0433		129.7627	129.7627	2.8600e-003		129.8342

Folsom Buildings - no operational mobile - Sacramento County, Winter

3.6 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	89.8212					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	90.0128	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0410	0.4159	1.3000e-003	0.1597	9.8000e-004	0.1607	0.0424	9.0000e-004	0.0433		129.7627	129.7627	2.8600e-003		129.8342
Total	0.0628	0.0410	0.4159	1.3000e-003	0.1597	9.8000e-004	0.1607	0.0424	9.0000e-004	0.0433		129.7627	129.7627	2.8600e-003		129.8342

4.0 Operational Detail - Mobile

Folsom Buildings - no operational mobile - Sacramento County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.3676	27.2641	83.1018	0.3045	7.0381	0.2239	7.2620	2.3897	0.2084	2.5981		30,886.78 24	30,886.78 24	1.2066		30,916.94 71
Unmitigated	5.3676	27.2641	83.1018	0.3045	7.0381	0.2239	7.2620	2.3897	0.2084	2.5981		30,886.78 24	30,886.78 24	1.2066		30,916.94 71

4.2 Trip Summary Information

Folsom Buildings - no operational mobile - Sacramento County, Winter

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	12.91	2.88	1.23	29,671	29,671
General Office Building	87.36	19.48	8.32	200,851	200,851
Unrefrigerated Warehouse-No Rail	14.10	14.10	14.10	59,030	59,030
Unrefrigerated Warehouse-No Rail	30.93	30.93	30.93	129,529	129,529
Unrefrigerated Warehouse-No Rail	7.51	7.51	7.51	31,450	31,450
Unrefrigerated Warehouse-No Rail	53.29	53.29	53.29	223,175	223,175
Unrefrigerated Warehouse-No Rail	6.89	6.89	6.89	28,847	28,847
Unrefrigerated Warehouse-No Rail	7.56	7.56	7.56	31,661	31,661
Unrefrigerated Warehouse-No Rail	88.20	88.20	88.20	369,378	369,378
Unrefrigerated Warehouse-No Rail	7.24	7.24	7.24	30,324	30,324
Unrefrigerated Warehouse-No Rail	9.81	9.81	9.81	41,089	41,089
Unrefrigerated Warehouse-No Rail	5.36	5.36	5.36	22,444	22,444
Unrefrigerated Warehouse-No Rail	11.41	11.41	11.41	47,773	47,773
Unrefrigerated Warehouse-No Rail	35.45	35.45	35.45	148,455	148,455
Total	378.00	300.10	287.28	1,393,677	1,393,677

4.3 Trip Type Information

Folsom Buildings - no operational mobile - Sacramento County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	15.00	7.50	8.50	33.00	48.00	19.00	77	19	4
General Office Building	15.00	7.50	8.50	33.00	48.00	19.00	77	19	4
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3
Unrefrigerated Warehouse-No	15.00	7.50	8.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Folsom Buildings - no operational mobile - Sacramento County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
General Office Building	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536
General Office Building	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Folsom Buildings - no operational mobile - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	5.6900e-003	0.0517	0.0434	3.1000e-004		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003		62.0401	62.0401	1.1900e-003	1.1400e-003	62.4087
NaturalGas Unmitigated	5.9800e-003	0.0543	0.0456	3.3000e-004		4.1300e-003	4.1300e-003		4.1300e-003	4.1300e-003		65.2005	65.2005	1.2500e-003	1.2000e-003	65.5879

5.2 Energy by Land Use - NaturalGas

Unmitigated

Folsom Buildings - no operational mobile - Sacramento County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	285.554	3.0800e-003	0.0280	0.0235	1.7000e-004		2.1300e-003	2.1300e-003		2.1300e-003	2.1300e-003		33.5946	33.5946	6.4000e-004	6.2000e-004	33.7942
General Office Building	42.1841	4.5000e-004	4.1400e-003	3.4700e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		4.9628	4.9628	1.0000e-004	9.0000e-005	4.9923
Unrefrigerated Warehouse-No Rail	11.4932	1.2000e-004	1.1300e-003	9.5000e-004	1.0000e-005		9.0000e-005	9.0000e-005		9.0000e-005	9.0000e-005		1.3521	1.3521	3.0000e-005	2.0000e-005	1.3602
Unrefrigerated Warehouse-No Rail	25.2192	2.7000e-004	2.4700e-003	2.0800e-003	1.0000e-005		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004		2.9670	2.9670	6.0000e-005	5.0000e-005	2.9846
Unrefrigerated Warehouse-No Rail	28.9041	3.1000e-004	2.8300e-003	2.3800e-003	2.0000e-005		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		3.4005	3.4005	7.0000e-005	6.0000e-005	3.4207
Unrefrigerated Warehouse-No Rail	4.36986	5.0000e-005	4.3000e-004	3.6000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.5141	0.5141	1.0000e-005	1.0000e-005	0.5172
Unrefrigerated Warehouse-No Rail	43.4521	4.7000e-004	4.2600e-003	3.5800e-003	3.0000e-005		3.2000e-004	3.2000e-004		3.2000e-004	3.2000e-004		5.1120	5.1120	1.0000e-004	9.0000e-005	5.1424
Unrefrigerated Warehouse-No Rail	5.61644	6.0000e-005	5.5000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6608	0.6608	1.0000e-005	1.0000e-005	0.6647
Unrefrigerated Warehouse-No Rail	5.90411	6.0000e-005	5.8000e-004	4.9000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6946	0.6946	1.0000e-005	1.0000e-005	0.6987
Unrefrigerated Warehouse-No Rail	6.12329	7.0000e-005	6.0000e-004	5.0000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.7204	0.7204	1.0000e-005	1.0000e-005	0.7247
Unrefrigerated Warehouse-No Rail	6.16438	7.0000e-005	6.0000e-004	5.1000e-004	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005		0.7252	0.7252	1.0000e-005	1.0000e-005	0.7295
Unrefrigerated Warehouse-No Rail	71.9178	7.8000e-004	7.0500e-003	5.9200e-003	4.0000e-005		5.4000e-004	5.4000e-004		5.4000e-004	5.4000e-004		8.4609	8.4609	1.6000e-004	1.6000e-004	8.5112
Unrefrigerated Warehouse-No Rail	8	9.0000e-005	7.8000e-004	6.6000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.9412	0.9412	2.0000e-005	2.0000e-005	0.9468
Unrefrigerated Warehouse-No Rail	9.30137	1.0000e-004	9.1000e-004	7.7000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.0943	1.0943	2.0000e-005	2.0000e-005	1.1008
Total		5.9800e-003	0.0543	0.0457	3.1000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003		65.2005	65.2005	1.2500e-003	1.1800e-003	65.5879

5.2 Energy by Land Use - Natural Gas

Folsom Buildings - no operational mobile - Sacramento County, Winter

Mitigated

Folsom Buildings - no operational mobile - Sacramento County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
General Office Building	0.0401839	4.3000e-004	3.9400e-003	3.3100e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		4.7275	4.7275	9.0000e-005	9.0000e-005	4.7556
General Office Building	0.272014	2.9300e-003	0.0267	0.0224	1.6000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003		32.0017	32.0017	6.1000e-004	5.9000e-004	32.1918
Unrefrigerated Warehouse-No Rail	0.00415137	4.0000e-005	4.1000e-004	3.4000e-004	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005		0.4884	0.4884	1.0000e-005	1.0000e-005	0.4913
Unrefrigerated Warehouse-No Rail	0.00533562	6.0000e-005	5.2000e-004	4.4000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6277	0.6277	1.0000e-005	1.0000e-005	0.6315
Unrefrigerated Warehouse-No Rail	0.0056089	6.0000e-005	5.5000e-004	4.6000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6599	0.6599	1.0000e-005	1.0000e-005	0.6638
Unrefrigerated Warehouse-No Rail	0.00581712	6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6844	0.6844	1.0000e-005	1.0000e-005	0.6884
Unrefrigerated Warehouse-No Rail	0.00585616	6.0000e-005	5.7000e-004	4.8000e-004	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005		0.6890	0.6890	1.0000e-005	1.0000e-005	0.6931
Unrefrigerated Warehouse-No Rail	0.0076	8.0000e-005	7.5000e-004	6.3000e-004	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.8941	0.8941	2.0000e-005	2.0000e-005	0.8994
Unrefrigerated Warehouse-No Rail	0.0088363	1.0000e-004	8.7000e-004	7.3000e-004	1.0000e-005		7.0000e-005	7.0000e-005		7.0000e-005	7.0000e-005		1.0396	1.0396	2.0000e-005	2.0000e-005	1.0457
Unrefrigerated Warehouse-No Rail	0.0109185	1.2000e-004	1.0700e-003	9.0000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005		1.2845	1.2845	2.0000e-005	2.0000e-005	1.2922
Unrefrigerated Warehouse-No Rail	0.0239582	2.6000e-004	2.3500e-003	1.9700e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004		2.8186	2.8186	5.0000e-005	5.0000e-005	2.8354
Unrefrigerated Warehouse-No Rail	0.0274589	3.0000e-004	2.6900e-003	2.2600e-003	2.0000e-005		2.0000e-004	2.0000e-004		2.0000e-004	2.0000e-004		3.2305	3.2305	6.0000e-005	6.0000e-005	3.2497
Unrefrigerated Warehouse-No Rail	0.0412795	4.5000e-004	4.0500e-003	3.4000e-003	2.0000e-005		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004		4.8564	4.8564	9.0000e-005	9.0000e-005	4.8853
Unrefrigerated Warehouse-No Rail	0.0683219	7.4000e-004	6.7000e-003	5.6300e-003	4.0000e-005		5.1000e-004	5.1000e-004		5.1000e-004	5.1000e-004		8.0379	8.0379	1.5000e-004	1.5000e-004	8.0856
Total		5.6900e-003	0.0517	0.0434	2.9000e-004		3.9300e-003	3.9300e-003		3.9300e-003	3.9300e-003		62.0401	62.0401	1.1600e-003	1.1400e-003	62.4087

6.0 Area Detail

Folsom Buildings - no operational mobile - Sacramento County, Winter

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	4.1770	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Unmitigated	4.1770	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406

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	0.4430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Total	4.1769	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406

Folsom Buildings - no operational mobile - Sacramento County, Winter

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	0.4430					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.7324					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.6200e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406
Total	4.1769	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0382	0.0382	1.0000e-004		0.0406

7.0 Water Detail

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Folsom Buildings - no operational mobile - Sacramento County, Winter

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

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

Equipment Type	Number
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11.0 Vegetation

Folsom Corporation Yard - Construction Energy Calculations Summary

Unmitigated Project Construction Fuel Usage Summary

	Diesel	Gasoline	Diesel	Diesel
Type	Off-road Equipment (gallons)	On-road (gallons)	On-road (gallons)	Total
Buildings	30,324	9,568	9,326	39,650
Paving	20,577	2,909	0	20,577
TOTAL	50,901	12,476	9,326	60,227

Folsom Corporation Yard - Buildings - Unmitigated Project Construction Offroad Equipment - Year 2022

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Diesel Fuel Usage
Architectural Coating	Air Compressors	1	6.00	78	0.48	18	202
Building Construction	Cranes	1	7.00	231	0.29	230	5,393
Building Construction	Forklifts	3	8.00	89	0.20	230	4,913
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37	230	8,667
Building Construction	Generator Sets	1	8.00	84	0.74	230	5,719
Building Construction	Welders	1	8.00	46	0.45	230	1,904
Grading	Excavators	1	8.00	158	0.38	8	192
Grading	Rubber Tired Dozers	1	8.00	247	0.40	8	316
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37	8	345
Grading	Graders	1	8.00	187	0.41	8	245
Paving	Cement and Mortar Mixers	2	6.00	9	0.56	18	54
Paving	Pavers	1	8.00	130	0.42	18	393
Paving	Rollers	2	6.00	80	0.38	18	328
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37	18	258
Paving	Paving Equipment	2	6.00	132	0.36	18	513
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37	5	287
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40	5	593
TOTAL							30,324

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)	Total gallons of gasoline	Total gallons of diesel
Architectural Coating	14	0	18	252	0	0	15.00	8.50	20.00	3,780.00	0.00	0.00	137	0
Building Construction	72	29	230	16,560	6,670	0	15.00	8.50	20.00	248,400.00	56,695.00	0.00	8,994	9,326
Grading	15	0	8	120	0	0	15.00	8.50	20.00	1,800.00	0.00	0.00	65	0
Paving	20	0	18	360	0	0	15.00	8.50	20.00	5,400.00	0.00	0.00	196	0
Site Preparation	18	0	18	324	0	0	15.00	8.50	20.00	4,860.00	0.00	0.00	176	0
TOTAL												9,568	9,326	

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

Folsom Corporation Yard - Paving - Unmitigated Project Construction Offroad Equipment - Year 2022

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Number of days	Diesel Fuel Usage
Architectural Coating	Air Compressors	1	6.00	78	0.48	35	393
Grading	Excavators	2	8.00	158	0.38	45	2,161
Paving	Pavers	2	8.00	130	0.42	35	1,529
Paving	Rollers	2	8.00	80	0.38	35	851
Grading	Rubber Tired Dozers	1	8.00	247	0.40	45	1,778
Grading	Graders	1	8.00	187	0.41	45	1,380
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37	45	1,292
Paving	Paving Equipment	2	8.00	132	0.36	35	1,331
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37	20	1,148
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40	20	2,371
Grading	Scrapers	2	8.00	367	0.48	45	6,342
TOTAL							20,577

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)	Total gallons of gasoline	Total gallons of diesel
Architectural Coating	102	0	35	3,570	0	0	15.00	8.50	20.00	53,550.00	0.00	0.00	1,939	0
Grading	20	0	45	900	0	0	15.00	8.50	20.00	13,500.00	0.00	0.00	489	0
Paving	15	0	35	525	0	0	15.00	8.50	20.00	7,875.00	0.00	0.00	285	0
Site Preparation	18	0	20	360	0	0	15.00	8.50	20.00	5,400.00	0.00	0.00	196	0
TOTAL												2,909	0	

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

EMFAC2014 Sacramento County

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County

Region: Sacramento

Calendar Year: 2022

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	MdIYr	Speed miles/hr	Fuel	Population vehicles	VMT miles/day	Trips trips/day	Fuel gas 1,000 gallons/day	Diesel gas 1,000 gallons/day	Miles per gallon	Gasoline miles per gallon	Diesel miles per gallon
Sacramento	2022	LDA	Aggregated	Aggregated	GAS	559,174	20,248,239	3,522,071	656.9	0.00	30.82	27.62	6.08
Sacramento	2022	LDT1	Aggregated	Aggregated	GAS	43,888	1,478,453	264,367	57.3	0.00	25.81		
Sacramento	2022	LDT2	Aggregated	Aggregated	GAS	207,640	7,880,531	1,303,733	342.4	0.00	23.02		
Sacramento	2022	T7 tractor construction	Aggregated	Aggregated	DSL	154	13,713	0	0.00	2.26	6.08		

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).

Diablo Country Club SWRF Energy Calculations Summary

Unmitigated Project Mobile Energy

	Diesel		Gasoline	
	Passenger (gallons/year)	Truck (gallons/year)	Passenger (gallons/year)	Truck (gallons/year)
Operations	343	9,006	35,507	7,809
TOTAL	9,349		43,316	

Vehicle Type	Diesel (gallons/year)	Gasoline (gallons/year)
Passenger	343	35,507
Truck	9,006	7,809
TOTAL	9,349	43,316

Folsom Corporation Yard - Unmitigated Project Mobile Energy

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County

Region: Sacramento

Calendar Year: 2050

Season: Annual

Vehicle Classification: EMFAC2007 Categories

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

Region	CalYr	VehClass	Class	MdYr	Speed	Fuel	Population	VMT (mi/day)	Trips	Fuel_Consumption (1000 gal/day)	Fuel (gal/day)
Sacramento	2050	LDA	Passenger	Aggregated	Aggregated	GAS	769701.6	24540463.14	4857701	569.4536761	569453.6761
Sacramento	2050	LDA	Passenger	Aggregated	Aggregated	DSL	10712.43	342331.4417	67690.97	6.185670001	6185.670001
Sacramento	2050	LDA	Passenger	Aggregated	Aggregated	ELEC	141681.8	4551502.733	897571.7	0	0
Sacramento	2050	LDT1	Passenger	Aggregated	Aggregated	GAS	51199.95	1704303.604	320164.5	41.893702	41893.702
Sacramento	2050	LDT1	Passenger	Aggregated	Aggregated	DSL	29.34123	956.7285794	181.3568	0.018496607	18.4966065
Sacramento	2050	LDT1	Passenger	Aggregated	Aggregated	ELEC	23.58006	772.5588879	146.1388	0	0
Sacramento	2050	LDT2	Passenger	Aggregated	Aggregated	GAS	328660.8	10847152.82	2058458	311.2803186	311280.3186
Sacramento	2050	LDT2	Passenger	Aggregated	Aggregated	DSL	722.4621	23884.94378	4529.364	0.533124292	533.124292
Sacramento	2050	LHDT1	Truck	Aggregated	Aggregated	GAS	5014.9	165701.2881	74714.54	15.77858882	15778.58882
Sacramento	2050	LHDT1	Truck	Aggregated	Aggregated	DSL	9302.383	305898.4152	117012.3	15.63941438	15639.41438
Sacramento	2050	LHDT2	Truck	Aggregated	Aggregated	GAS	1764.883	62669.36129	26294.13	6.673212743	6673.212743
Sacramento	2050	LHDT2	Truck	Aggregated	Aggregated	DSL	4359.282	154781.6043	54834.28	8.875555995	8875.555995
Sacramento	2050	MDV	Passenger	Aggregated	Aggregated	GAS	166537	5092111.94	1025241	189.5089702	189508.9702
Sacramento	2050	MDV	Passenger	Aggregated	Aggregated	DSL	4724.747	146014.2187	29260.78	4.228888301	4228.888301

Project VMT (mi/yr)	1,947,886	From CalEEMod output
Project Mobile Emissions (MT/yr)	1,138	From CalEEMod output

	Gas (gal)	Diesel (gal)
Passenger	35,507	343
Truck	7,809	9,006
Total	43,316	9,349

mi/gal	CO2_RUNEX (tons/day)	CO2 (lb/day)	% of vehicle class EMFAC	% vehicle class CalEEMod	% vehicle class project	VMT by project vehicle class (mi/yr)	Gallons of fuel
43.09474883	5110.207314	10,220,415	0.833737014	0.38932	0.324590494	632265.2793	14671.51559
55.34266162	68.72966667	137,459	0.011630359	0.38932	0.004527931	8819.894039	159.3688085
0	0	0	0.154632628	0.38932	0.060201575	117265.8042	0
40.68161854	376.7346883	753,469	0.998986369	0.033626	0.033591916	65433.22221	1608.422294
51.7245463	0.20551785	411	0.000560791	0.033626	0.000018857	36.73162081	0.710139062
0	0	0	0.000452839	0.033626	0.000015227	29.66080531	0
34.84689576	2797.361149	5,594,722	0.997802883	0.214268	0.213797228	416452.6274	11950.92471
44.80182977	5.923603244	11,847	0.002197117	0.214268	0.000470772	917.009999	20.46813721
10.50165449	142.5979625	285,196	0.351360035	0.0625	0.021960002	42775.58078	4073.223018
19.55945457	172.5137049	345,027	0.648639965	0.0625	0.040539998	78967.29422	4037.29531
9.391182883	60.41887279	120,838	0.288199968	0.0625	0.018012498	35086.29266	3736.088743
17.43908826	97.67095431	195,342	0.711800032	0.0625	0.044487502	86656.58234	4969.100509
26.87003119	1699.209316	3,398,419	0.972124723	0.103243	0.100365073	195499.7201	7275.753375
34.52780218	46.98764779	93,975	0.027875277	0.103243	0.002877927	5605.874188	162.3582688

0.740457

Gasoline Sum	43,316
Diesel Sum	9,349

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational mobile only.

Land Use -

Vehicle Trips - Data provided by traffic study.

Vehicle Emission Factors -

Fleet Mix - Data from applicant.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	WD_TR	1.68	937.00

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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	9.9200e-003	0.0876	0.0642	1.0000e-004	1.4800e-003	5.9200e-003	7.4000e-003	5.6000e-004	5.5900e-003	6.1600e-003	0.0000	8.9054	8.9054	1.9000e-003	0.0000	8.9530
2018	0.0559	0.5621	0.4002	5.9000e-004	3.3000e-004	0.0360	0.0364	9.0000e-005	0.0332	0.0333	0.0000	53.8237	53.8237	0.0165	0.0000	54.2352
Maximum	0.0559	0.5621	0.4002	5.9000e-004	1.4800e-003	0.0360	0.0364	5.6000e-004	0.0332	0.0333	0.0000	53.8237	53.8237	0.0165	0.0000	54.2352

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	9.9200e-003	0.0876	0.0642	1.0000e-004	1.4800e-003	5.9200e-003	7.4000e-003	5.6000e-004	5.5900e-003	6.1600e-003	0.0000	8.9054	8.9054	1.9000e-003	0.0000	8.9530
2018	0.0559	0.5621	0.4002	5.9000e-004	3.3000e-004	0.0360	0.0364	9.0000e-005	0.0332	0.0333	0.0000	53.8237	53.8237	0.0165	0.0000	54.2352
Maximum	0.0559	0.5621	0.4002	5.9000e-004	1.4800e-003	0.0360	0.0364	5.6000e-004	0.0332	0.0333	0.0000	53.8237	53.8237	0.0165	0.0000	54.2352

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	ROG	NOx	CO	SO2	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	12-8-2017	3-7-2018	0.3906	0.3906
2	3-8-2018	6-7-2018	0.3289	0.3289
		Highest	0.3906	0.3906

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.3700e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.9023	0.9023	4.0000e-005	1.0000e-005	0.9061
Mobile	0.2485	1.1805	3.1578	8.9800e-003	0.7248	0.0107	0.7356	0.1940	0.0101	0.2042	0.0000	823.8543	823.8543	0.0387	0.0000	824.8222
Waste						0.0000	0.0000		0.0000	0.0000	0.1908	0.0000	0.1908	0.0113	0.0000	0.4727
Water						0.0000	0.0000		0.0000	0.0000	0.0818	0.3085	0.3903	3.0000e-004	1.8000e-004	0.4517
Total	0.2529	1.1805	3.1579	8.9800e-003	0.7248	0.0107	0.7356	0.1940	0.0101	0.2042	0.2726	825.0651	825.3377	0.0503	1.9000e-004	826.6528

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	4.3700e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Energy	0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.9023	0.9023	4.0000e-005	1.0000e-005	0.9061
Mobile	0.2485	1.1805	3.1578	8.9800e-003	0.7248	0.0107	0.7356	0.1940	0.0101	0.2042	0.0000	823.8543	823.8543	0.0387	0.0000	824.8222
Waste						0.0000	0.0000		0.0000	0.0000	0.1908	0.0000	0.1908	0.0113	0.0000	0.4727
Water						0.0000	0.0000		0.0000	0.0000	0.0818	0.3085	0.3903	3.0000e-004	1.8000e-004	0.4517
Total	0.2529	1.1805	3.1579	8.9800e-003	0.7248	0.0107	0.7356	0.1940	0.0101	0.2042	0.2726	825.0651	825.3377	0.0503	1.9000e-004	826.6528

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	5/23/2018	5/29/2018	5	5	
2	Building Construction	Building Construction	12/27/2017	5/15/2018	5	100	
3	Demolition	Demolition	12/8/2017	12/21/2017	5	10	
4	Grading	Grading	12/23/2017	12/26/2017	5	2	
5	Paving	Paving	5/16/2018	5/22/2018	5	5	
6	Site Preparation	Site Preparation	12/22/2017	12/22/2017	5	1	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,500; Non-Residential Outdoor: 500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

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

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3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3493	5.3493	1.0500e-003	0.0000	5.3755
Total	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3493	5.3493	1.0500e-003	0.0000	5.3755

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.9000e-004	1.9600e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3571	0.3571	1.0000e-005	0.0000	0.3574
Total	2.5000e-004	1.9000e-004	1.9600e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3571	0.3571	1.0000e-005	0.0000	0.3574

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3.4 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3492	5.3492	1.0500e-003	0.0000	5.3755
Total	6.0500e-003	0.0525	0.0396	6.0000e-005		3.6600e-003	3.6600e-003		3.4900e-003	3.4900e-003	0.0000	5.3492	5.3492	1.0500e-003	0.0000	5.3755

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.9000e-004	1.9600e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3571	0.3571	1.0000e-005	0.0000	0.3574
Total	2.5000e-004	1.9000e-004	1.9600e-003	0.0000	3.7000e-004	0.0000	3.7000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3571	0.3571	1.0000e-005	0.0000	0.3574

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3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					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	1.2100e-003	0.0105	7.9200e-003	1.0000e-005		7.3000e-004	7.3000e-004		7.0000e-004	7.0000e-004	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751
Total	1.2100e-003	0.0105	7.9200e-003	1.0000e-005	7.5000e-004	7.3000e-004	1.4800e-003	4.1000e-004	7.0000e-004	1.1100e-003	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.0000e-005	3.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0714	0.0714	0.0000	0.0000	0.0715
Total	5.0000e-005	4.0000e-005	3.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0714	0.0714	0.0000	0.0000	0.0715

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3.5 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					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	1.2100e-003	0.0105	7.9200e-003	1.0000e-005		7.3000e-004	7.3000e-004		7.0000e-004	7.0000e-004	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751
Total	1.2100e-003	0.0105	7.9200e-003	1.0000e-005	7.5000e-004	7.3000e-004	1.4800e-003	4.1000e-004	7.0000e-004	1.1100e-003	0.0000	1.0699	1.0699	2.1000e-004	0.0000	1.0751

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	4.0000e-005	3.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0714	0.0714	0.0000	0.0000	0.0715
Total	5.0000e-005	4.0000e-005	3.9000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0714	0.0714	0.0000	0.0000	0.0715

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3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3127	0.3127	1.0000e-005	0.0000	0.3130
Total	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3127	0.3127	1.0000e-005	0.0000	0.3130

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3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.3000e-003	0.0219	0.0181	3.0000e-005		1.2800e-003	1.2800e-003		1.1800e-003	1.1800e-003	0.0000	2.4270	2.4270	6.8000e-004	0.0000	2.4441

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3127	0.3127	1.0000e-005	0.0000	0.3130
Total	2.0000e-004	1.5000e-004	1.5400e-003	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.3127	0.3127	1.0000e-005	0.0000	0.3130

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3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	5.2600e-003	2.1800e-003	0.0000		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569
Total	4.3000e-004	5.2600e-003	2.1800e-003	0.0000	2.7000e-004	2.4000e-004	5.1000e-004	3.0000e-005	2.2000e-004	2.5000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0179	0.0179	0.0000	0.0000	0.0179
Total	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0179	0.0179	0.0000	0.0000	0.0179

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3.7 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.3000e-004	5.2600e-003	2.1800e-003	0.0000		2.4000e-004	2.4000e-004		2.2000e-004	2.2000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569
Total	4.3000e-004	5.2600e-003	2.1800e-003	0.0000	2.7000e-004	2.4000e-004	5.1000e-004	3.0000e-005	2.2000e-004	2.5000e-004	0.0000	0.4534	0.4534	1.4000e-004	0.0000	0.4569

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.0000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0179	0.0179	0.0000	0.0000	0.0179
Total	1.0000e-005	1.0000e-005	1.0000e-004	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.0179	0.0179	0.0000	0.0000	0.0179

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2485	1.1805	3.1578	8.9800e-003	0.7248	0.0107	0.7356	0.1940	0.0101	0.2042	0.0000	823.8543	823.8543	0.0387	0.0000	824.8222
Unmitigated	0.2485	1.1805	3.1578	8.9800e-003	0.7248	0.0107	0.7356	0.1940	0.0101	0.2042	0.0000	823.8543	823.8543	0.0387	0.0000	824.8222

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	937.00	1.68	1.68	1,947,886	1,947,886
Total	937.00	1.68	1.68	1,947,886	1,947,886

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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	0.8756	0.8756	4.0000e-005	1.0000e-005	0.8793
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	0.8756	0.8756	4.0000e-005	1.0000e-005	0.8793
NaturalGas Mitigated	0.0000	2.0000e-005	2.0000e-005	0.0000			0.0000	0.0000		0.0000	0.0000	0.0267	0.0267	0.0000	0.0000	0.0268
NaturalGas Unmitigated	0.0000	2.0000e-005	2.0000e-005	0.0000			0.0000	0.0000		0.0000	0.0000	0.0267	0.0267	0.0000	0.0000	0.0268

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Unrefrigerated Warehouse-No Rail	500	0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0267	0.0267	0.0000	0.0000	0.0268
Total		0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0267	0.0267	0.0000	0.0000	0.0268

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					
Unrefrigerated Warehouse-No Rail	500	0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0267	0.0267	0.0000	0.0000	0.0268
Total		0.0000	2.0000e-005	2.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0267	0.0267	0.0000	0.0000	0.0268

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	3270	0.8756	4.0000e-005	1.0000e-005	0.8793
Total		0.8756	4.0000e-005	1.0000e-005	0.8793

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Unrefrigerated Warehouse-No Rail	3270	0.8756	4.0000e-005	1.0000e-005	0.8793
Total		0.8756	4.0000e-005	1.0000e-005	0.8793

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	4.3700e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Unmitigated	4.3700e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	4.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	4.3700e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

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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	4.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	3.9100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005
Total	4.3700e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	0.0000	3.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.3903	3.0000e-004	1.8000e-004	0.4517
Unmitigated	0.3903	3.0000e-004	1.8000e-004	0.4517

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0.23125 / 0	0.3903	3.0000e-004	1.8000e-004	0.4517
Total		0.3903	3.0000e-004	1.8000e-004	0.4517

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Unrefrigerated Warehouse-No Rail	0.23125 / 0	0.3903	3.0000e-004	1.8000e-004	0.4517
Total		0.3903	3.0000e-004	1.8000e-004	0.4517

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.1908	0.0113	0.0000	0.4727
Unmitigated	0.1908	0.0113	0.0000	0.4727

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0.94	0.1908	0.0113	0.0000	0.4727
Total		0.1908	0.0113	0.0000	0.4727

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Unrefrigerated Warehouse-No Rail	0.94	0.1908	0.0113	0.0000	0.4727
Total		0.1908	0.0113	0.0000	0.4727

9.0 Operational Offroad

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

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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Folsom Op Mobile - Sacramento County, Summer

Folsom Op Mobile
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational mobile only.

Land Use -

Vehicle Trips - Data provided by traffic study.

Vehicle Emission Factors -

Fleet Mix - Data from applicant.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	WD_TR	1.68	937.00

Folsom Op Mobile - Sacramento County, Summer

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	1.2812	12.7589	8.3756	0.0129	0.8288	0.8591	1.5612	0.4340	0.7904	1.1323	0.0000	1,266.3600	1,266.3600	0.3572	0.0000	1,272.2402
2018	1.0848	11.0316	7.9478	0.0128	0.1369	0.7087	0.7087	0.0363	0.6520	0.6520	0.0000	1,222.6618	1,222.6618	0.3569	0.0000	1,230.3355
Maximum	1.2812	12.7589	8.3756	0.0129	0.8288	0.8591	1.5612	0.4340	0.7904	1.1323	0.0000	1,266.3600	1,266.3600	0.3572	0.0000	1,272.2402

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	1.2812	12.7589	8.3756	0.0129	0.8288	0.8591	1.5612	0.4340	0.7904	1.1323	0.0000	1,266.3600	1,266.3600	0.3572	0.0000	1,272.2402
2018	1.0848	11.0316	7.9478	0.0128	0.1369	0.7087	0.7087	0.0363	0.6520	0.6520	0.0000	1,222.6618	1,222.6618	0.3569	0.0000	1,230.3355
Maximum	1.2812	12.7589	8.3756	0.0129	0.8288	0.8591	1.5612	0.4340	0.7904	1.1323	0.0000	1,266.3600	1,266.3600	0.3572	0.0000	1,272.2402

Folsom Op Mobile - 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	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
Mobile	2.3828	8.6831	27.5145	0.0750	5.7681	0.0822	5.8502	1.5398	0.0774	1.6172		7,567.8394	7,567.8394	0.3407		7,576.3576
Total	2.4068	8.6832	27.5147	0.0750	5.7681	0.0822	5.8502	1.5398	0.0774	1.6172		7,568.0008	7,568.0008	0.3407	0.0000	7,576.5200

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	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
Mobile	2.3828	8.6831	27.5145	0.0750	5.7681	0.0822	5.8502	1.5398	0.0774	1.6172		7,567.8394	7,567.8394	0.3407		7,576.3576
Total	2.4068	8.6832	27.5147	0.0750	5.7681	0.0822	5.8502	1.5398	0.0774	1.6172		7,568.0008	7,568.0008	0.3407	0.0000	7,576.5200

Folsom Op Mobile - 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	Architectural Coating	Architectural Coating	5/23/2018	5/29/2018	5	5	
2	Building Construction	Building Construction	12/27/2017	5/15/2018	5	100	
3	Demolition	Demolition	12/8/2017	12/21/2017	5	10	
4	Grading	Grading	12/23/2017	12/26/2017	5	2	
5	Paving	Paving	5/16/2018	5/22/2018	5	5	
6	Site Preparation	Site Preparation	12/22/2017	12/22/2017	5	1	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,500; Non-Residential Outdoor: 500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Folsom Op Mobile - 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	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

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

Folsom Op Mobile - Sacramento County, Summer

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Summer

3.2 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Summer

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904		1,165.9164	1,165.9164	0.3572		1,174.8473
Total	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904		1,165.9164	1,165.9164	0.3572		1,174.8473

Unmitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Summer

3.3 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904	0.0000	1,165.9164	1,165.9164	0.3572		1,174.8473
Total	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904	0.0000	1,165.9164	1,165.9164	0.3572		1,174.8473

Mitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Summer

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155.4555
Total	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155.4555

Unmitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Summer

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555
Total	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555

Mitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Summer

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0577	0.0335	0.4574	8.8000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		87.0526	87.0526	3.3100e-003		87.1354
Total	0.0577	0.0335	0.4574	8.8000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		87.0526	87.0526	3.3100e-003		87.1354

Folsom Op Mobile - Sacramento County, Summer

3.4 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0577	0.0335	0.4574	8.8000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		87.0526	87.0526	3.3100e-003		87.1354
Total	0.0577	0.0335	0.4574	8.8000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		87.0526	87.0526	3.3100e-003		87.1354

Folsom Op Mobile - Sacramento County, Summer

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120	0.7528	0.7318	1.4845	0.4138	0.6978	1.1115		1,179.3075	1,179.3075	0.2319		1,185.1047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0577	0.0335	0.4574	8.8000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		87.0526	87.0526	3.3100e-003		87.1354
Total	0.0577	0.0335	0.4574	8.8000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		87.0526	87.0526	3.3100e-003		87.1354

Folsom Op Mobile - Sacramento County, Summer

3.5 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120	0.7528	0.7318	1.4845	0.4138	0.6978	1.1115	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0577	0.0335	0.4574	8.8000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		87.0526	87.0526	3.3100e-003		87.1354
Total	0.0577	0.0335	0.4574	8.8000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		87.0526	87.0526	3.3100e-003		87.1354

Folsom Op Mobile - Sacramento County, Summer

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Folsom Op Mobile - Sacramento County, Summer

3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.137 2	1,070.137 2	0.3017		1,077.679 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.137 2	1,070.137 2	0.3017		1,077.679 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557
Total	0.0928	0.0526	0.7238	1.5300e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		152.5246	152.5246	5.2500e-003		152.6557

Folsom Op Mobile - Sacramento County, Summer

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.8524	10.5148	4.3533	9.7700e-003		0.4726	0.4726		0.4347	0.4347		999.5201	999.5201	0.3063		1,007.1764
Total	0.8524	10.5148	4.3533	9.7700e-003	0.5303	0.4726	1.0028	0.0573	0.4347	0.4920		999.5201	999.5201	0.3063		1,007.1764

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0289	0.0168	0.2287	4.4000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		43.5263	43.5263	1.6600e-003		43.5677
Total	0.0289	0.0168	0.2287	4.4000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		43.5263	43.5263	1.6600e-003		43.5677

Folsom Op Mobile - Sacramento County, Summer

3.7 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.8524	10.5148	4.3533	9.7700e-003		0.4726	0.4726		0.4347	0.4347	0.0000	999.5201	999.5201	0.3063		1,007.1764
Total	0.8524	10.5148	4.3533	9.7700e-003	0.5303	0.4726	1.0028	0.0573	0.4347	0.4920	0.0000	999.5201	999.5201	0.3063		1,007.1764

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0289	0.0168	0.2287	4.4000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		43.5263	43.5263	1.6600e-003		43.5677
Total	0.0289	0.0168	0.2287	4.4000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		43.5263	43.5263	1.6600e-003		43.5677

4.0 Operational Detail - Mobile

Folsom Op Mobile - Sacramento County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.3828	8.6831	27.5145	0.0750	5.7681	0.0822	5.8502	1.5398	0.0774	1.6172		7,567.8394	7,567.8394	0.3407		7,576.3576
Unmitigated	2.3828	8.6831	27.5145	0.0750	5.7681	0.0822	5.8502	1.5398	0.0774	1.6172		7,567.8394	7,567.8394	0.3407		7,576.3576

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	937.00	1.68	1.68	1,947,886	1,947,886
Total	937.00	1.68	1.68	1,947,886	1,947,886

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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

Folsom Op Mobile - Sacramento County, Summer

5.0 Energy Detail

Historical Energy Use: N

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	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
NaturalGas Unmitigated	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621

Folsom Op Mobile - 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					
Unrefrigerated Warehouse-No Rail	1.36986	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
Total		1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621

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					
Unrefrigerated Warehouse-No Rail	0.00136986	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
Total		1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621

6.0 Area Detail

6.1 Mitigation Measures Area

Folsom Op Mobile - 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	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Folsom Op Mobile - 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	2.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Folsom Op Mobile - Sacramento County, Summer

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

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

Equipment Type	Number
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11.0 Vegetation

Folsom Op Mobile - Sacramento County, Winter

Folsom Op Mobile
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	1.00	1000sqft	0.02	1,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	590.31	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Operational mobile only.

Land Use -

Vehicle Trips - Data provided by traffic study.

Vehicle Emission Factors -

Fleet Mix - Data from applicant.

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	OperationalYear	2018	2050
tblVehicleTrips	WD_TR	1.68	937.00

Folsom Op Mobile - Sacramento County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	1.2812	12.7589	8.3177	0.0128	0.8288	0.8591	1.5612	0.4340	0.7904	1.1323	0.0000	1,255.7926	1,255.7926	0.3572	0.0000	1,261.6643
2018	1.0848	11.0316	7.8507	0.0126	0.1369	0.7087	0.7087	0.0363	0.6520	0.6520	0.0000	1,204.1103	1,204.1103	0.3569	0.0000	1,211.7696
Maximum	1.2812	12.7589	8.3177	0.0128	0.8288	0.8591	1.5612	0.4340	0.7904	1.1323	0.0000	1,255.7926	1,255.7926	0.3572	0.0000	1,261.6643

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	1.2812	12.7589	8.3177	0.0128	0.8288	0.8591	1.5612	0.4340	0.7904	1.1323	0.0000	1,255.7926	1,255.7926	0.3572	0.0000	1,261.6643
2018	1.0848	11.0316	7.8507	0.0126	0.1369	0.7087	0.7087	0.0363	0.6520	0.6520	0.0000	1,204.1103	1,204.1103	0.3569	0.0000	1,211.7696
Maximum	1.2812	12.7589	8.3177	0.0128	0.8288	0.8591	1.5612	0.4340	0.7904	1.1323	0.0000	1,255.7926	1,255.7926	0.3572	0.0000	1,261.6643

Folsom Op Mobile - Sacramento County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
Mobile	1.8271	9.3496	25.1111	0.0675	5.7681	0.0833	5.8514	1.5398	0.0785	1.6183		6,818.1794	6,818.1794	0.3343		6,826.5364
Total	1.8511	9.3498	25.1113	0.0675	5.7681	0.0833	5.8514	1.5398	0.0785	1.6183		6,818.3408	6,818.3408	0.3343	0.0000	6,826.6988

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	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Energy	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
Mobile	1.8271	9.3496	25.1111	0.0675	5.7681	0.0833	5.8514	1.5398	0.0785	1.6183		6,818.1794	6,818.1794	0.3343		6,826.5364
Total	1.8511	9.3498	25.1113	0.0675	5.7681	0.0833	5.8514	1.5398	0.0785	1.6183		6,818.3408	6,818.3408	0.3343	0.0000	6,826.6988

Folsom Op Mobile - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	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	Architectural Coating	Architectural Coating	5/23/2018	5/29/2018	5	5	
2	Building Construction	Building Construction	12/27/2017	5/15/2018	5	100	
3	Demolition	Demolition	12/8/2017	12/21/2017	5	10	
4	Grading	Grading	12/23/2017	12/26/2017	5	2	
5	Paving	Paving	5/16/2018	5/22/2018	5	5	
6	Site Preparation	Site Preparation	12/22/2017	12/22/2017	5	1	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 1,500; Non-Residential Outdoor: 500; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Folsom Op Mobile - Sacramento County, Winter

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	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

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

Folsom Op Mobile - Sacramento County, Winter

3.1 Mitigation Measures Construction

3.2 Architectural Coating - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171
Total	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.1171

Unmitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Winter

3.2 Architectural Coating - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171
Total	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.1171

Mitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Winter

3.3 Building Construction - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904		1,165.9164	1,165.9164	0.3572		1,174.8473
Total	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904		1,165.9164	1,165.9164	0.3572		1,174.8473

Unmitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Winter

3.3 Building Construction - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904	0.0000	1,165.9164	1,165.9164	0.3572		1,174.8473
Total	1.2812	12.7589	8.0700	0.0114		0.8591	0.8591		0.7904	0.7904	0.0000	1,165.9164	1,165.9164	0.3572		1,174.8473

Mitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Winter

3.3 Building Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155.4555
Total	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520		1,146.5323	1,146.5323	0.3569		1,155.4555

Unmitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Winter

3.3 Building Construction - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555
Total	1.0848	11.0316	7.7512	0.0114		0.7087	0.7087		0.6520	0.6520	0.0000	1,146.5323	1,146.5323	0.3569		1,155.4555

Mitigated Construction Off-Site

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

Folsom Op Mobile - Sacramento County, Winter

3.4 Demolition - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0415	0.3995	7.7000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		76.4851	76.4851	2.9800e-003		76.5596
Total	0.0536	0.0415	0.3995	7.7000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		76.4851	76.4851	2.9800e-003		76.5596

Folsom Op Mobile - Sacramento County, Winter

3.4 Demolition - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0415	0.3995	7.7000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		76.4851	76.4851	2.9800e-003		76.5596
Total	0.0536	0.0415	0.3995	7.7000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		76.4851	76.4851	2.9800e-003		76.5596

Folsom Op Mobile - Sacramento County, Winter

3.5 Grading - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978		1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120	0.7528	0.7318	1.4845	0.4138	0.6978	1.1115		1,179.3075	1,179.3075	0.2319		1,185.1047

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0415	0.3995	7.7000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		76.4851	76.4851	2.9800e-003		76.5596
Total	0.0536	0.0415	0.3995	7.7000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		76.4851	76.4851	2.9800e-003		76.5596

Folsom Op Mobile - Sacramento County, Winter

3.5 Grading - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7528	0.0000	0.7528	0.4138	0.0000	0.4138			0.0000			0.0000
Off-Road	1.2100	10.4978	7.9182	0.0120		0.7318	0.7318		0.6978	0.6978	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047
Total	1.2100	10.4978	7.9182	0.0120	0.7528	0.7318	1.4845	0.4138	0.6978	1.1115	0.0000	1,179.3075	1,179.3075	0.2319		1,185.1047

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0536	0.0415	0.3995	7.7000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		76.4851	76.4851	2.9800e-003		76.5596
Total	0.0536	0.0415	0.3995	7.7000e-004	0.0761	5.8000e-004	0.0767	0.0202	5.4000e-004	0.0207		76.4851	76.4851	2.9800e-003		76.5596

Folsom Op Mobile - Sacramento County, Winter

3.6 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735		1,070.1372	1,070.1372	0.3017		1,077.6798

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Folsom Op Mobile - Sacramento County, Winter

3.6 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.137 2	1,070.137 2	0.3017		1,077.679 8
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9202	8.7447	7.2240	0.0113		0.5109	0.5109		0.4735	0.4735	0.0000	1,070.137 2	1,070.137 2	0.3017		1,077.679 8

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898
Total	0.0856	0.0651	0.6267	1.3500e-003	0.1369	1.0100e-003	0.1379	0.0363	9.3000e-004	0.0373		133.9731	133.9731	4.6700e-003		134.0898

Folsom Op Mobile - Sacramento County, Winter

3.7 Site Preparation - 2017

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.8524	10.5148	4.3533	9.7700e-003		0.4726	0.4726		0.4347	0.4347		999.5201	999.5201	0.3063		1,007.1764
Total	0.8524	10.5148	4.3533	9.7700e-003	0.5303	0.4726	1.0028	0.0573	0.4347	0.4920		999.5201	999.5201	0.3063		1,007.1764

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0208	0.1997	3.9000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		38.2426	38.2426	1.4900e-003		38.2798
Total	0.0268	0.0208	0.1997	3.9000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		38.2426	38.2426	1.4900e-003		38.2798

Folsom Op Mobile - Sacramento County, Winter

3.7 Site Preparation - 2017

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.8524	10.5148	4.3533	9.7700e-003		0.4726	0.4726		0.4347	0.4347	0.0000	999.5201	999.5201	0.3063		1,007.1764
Total	0.8524	10.5148	4.3533	9.7700e-003	0.5303	0.4726	1.0028	0.0573	0.4347	0.4920	0.0000	999.5201	999.5201	0.3063		1,007.1764

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0268	0.0208	0.1997	3.9000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		38.2426	38.2426	1.4900e-003		38.2798
Total	0.0268	0.0208	0.1997	3.9000e-004	0.0380	2.9000e-004	0.0383	0.0101	2.7000e-004	0.0104		38.2426	38.2426	1.4900e-003		38.2798

4.0 Operational Detail - Mobile

Folsom Op Mobile - Sacramento County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8271	9.3496	25.1111	0.0675	5.7681	0.0833	5.8514	1.5398	0.0785	1.6183		6,818.1794	6,818.1794	0.3343		6,826.5364
Unmitigated	1.8271	9.3496	25.1111	0.0675	5.7681	0.0833	5.8514	1.5398	0.0785	1.6183		6,818.1794	6,818.1794	0.3343		6,826.5364

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-No Rail	937.00	1.68	1.68	1,947,886	1,947,886
Total	937.00	1.68	1.68	1,947,886	1,947,886

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
Unrefrigerated Warehouse-No Rail	10.00	5.00	6.50	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-No Rail	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

Folsom Op Mobile - Sacramento County, Winter

5.0 Energy Detail

Historical Energy Use: N

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	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
NaturalGas Unmitigated	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621

Folsom Op Mobile - Sacramento County, Winter

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					
Unrefrigerated Warehouse-No Rail	1.36986	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
Total		1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621

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					
Unrefrigerated Warehouse-No Rail	0.00136986	1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621
Total		1.0000e-005	1.3000e-004	1.1000e-004	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005		0.1612	0.1612	0.0000	0.0000	0.1621

6.0 Area Detail

6.1 Mitigation Measures Area

Folsom Op Mobile - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Unmitigated	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	2.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

Folsom Op Mobile - Sacramento County, Winter

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	2.5400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0214					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.0000e-005	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004
Total	0.0240	0.0000	1.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		2.2000e-004	2.2000e-004	0.0000		2.3000e-004

7.0 Water Detail

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Folsom Op Mobile - Sacramento County, Winter

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

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

Equipment Type	Number
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11.0 Vegetation

Folsom Paving - Sacramento County, Annual

Folsom Paving
Sacramento County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	1,219.13	1000sqft	27.99	1,219,130.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	278.51	CH4 Intensity (lb/MW hr)	0.008	N2O Intensity (lb/MW hr)	0.001

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted SMUD 2050 RPS, assumed same as 2030 50% RPS goal.

Land Use - Data provided by applicant.

Construction Phase -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - .

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	4/26/2024	4/26/2022
tblConstructionPhase	PhaseEndDate	3/8/2024	3/8/2022
tblConstructionPhase	PhaseStartDate	3/9/2024	3/9/2022
tblConstructionPhase	PhaseStartDate	1/20/2024	1/20/2022
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.008
tblProjectCharacteristics	CO2IntensityFactor	590.31	278.51
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.9797	0.9797
2	4-1-2022	6-30-2022	0.7666	0.7666
		Highest	0.9797	0.9797

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	0.0972	1.4000e-004	0.0155	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322
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	0.0972	1.4000e-004	0.0155	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322

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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	0.0972	1.4000e-004	0.0155	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322
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	0.0972	1.4000e-004	0.0155	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	2/12/2022	3/11/2022	5	20	
2	Grading	Grading	3/12/2022	5/13/2022	5	45	
3	Paving	Paving	1/20/2022	3/8/2022	5	35	
4	Architectural Coating	Architectural Coating	3/9/2022	4/26/2022	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 27.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 73,148 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	102.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3308	0.1970	3.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	33.4394	33.4394	0.0108	0.0000	33.7098
Total	0.0317	0.3308	0.1970	3.8000e-004	0.1807	0.0161	0.1968	0.0993	0.0148	0.1142	0.0000	33.4394	33.4394	0.0108	0.0000	33.7098

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3.2 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	7.9000e-004	5.2000e-004	5.8800e-003	2.0000e-005	1.9800e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.6190	1.6190	4.0000e-005	0.0000	1.6200
Total	7.9000e-004	5.2000e-004	5.8800e-003	2.0000e-005	1.9800e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.6190	1.6190	4.0000e-005	0.0000	1.6200

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1807	0.0000	0.1807	0.0993	0.0000	0.0993	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.3308	0.1970	3.8000e-004		0.0161	0.0161		0.0148	0.0148	0.0000	33.4394	33.4394	0.0108	0.0000	33.7097
Total	0.0317	0.3308	0.1970	3.8000e-004	0.1807	0.0161	0.1968	0.0993	0.0148	0.1142	0.0000	33.4394	33.4394	0.0108	0.0000	33.7097

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3.2 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	7.9000e-004	5.2000e-004	5.8800e-003	2.0000e-005	1.9800e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.6190	1.6190	4.0000e-005	0.0000	1.6200
Total	7.9000e-004	5.2000e-004	5.8800e-003	2.0000e-005	1.9800e-003	1.0000e-005	2.0000e-003	5.3000e-004	1.0000e-005	5.4000e-004	0.0000	1.6190	1.6190	4.0000e-005	0.0000	1.6200

3.3 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	tons/yr										MT/yr					
Fugitive Dust					0.1952	0.0000	0.1952	0.0809	0.0000	0.0809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0816	0.8740	0.6534	1.4000e-003		0.0368	0.0368		0.0338	0.0338	0.0000	122.7029	122.7029	0.0397	0.0000	123.6950
Total	0.0816	0.8740	0.6534	1.4000e-003	0.1952	0.0368	0.2319	0.0809	0.0338	0.1148	0.0000	122.7029	122.7029	0.0397	0.0000	123.6950

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3.3 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9700e-003	1.3100e-003	0.0147	4.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0476	4.0476	1.0000e-004	0.0000	4.0499
Total	1.9700e-003	1.3100e-003	0.0147	4.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0476	4.0476	1.0000e-004	0.0000	4.0499

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1952	0.0000	0.1952	0.0809	0.0000	0.0809	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0816	0.8740	0.6534	1.4000e-003		0.0368	0.0368		0.0338	0.0338	0.0000	122.7027	122.7027	0.0397	0.0000	123.6948
Total	0.0816	0.8740	0.6534	1.4000e-003	0.1952	0.0368	0.2319	0.0809	0.0338	0.1148	0.0000	122.7027	122.7027	0.0397	0.0000	123.6948

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3.3 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	1.9700e-003	1.3100e-003	0.0147	4.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0476	4.0476	1.0000e-004	0.0000	4.0499
Total	1.9700e-003	1.3100e-003	0.0147	4.0000e-005	4.9600e-003	3.0000e-005	4.9900e-003	1.3200e-003	3.0000e-005	1.3500e-003	0.0000	4.0476	4.0476	1.0000e-004	0.0000	4.0499

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0188	0.1891	0.2479	3.9000e-004		9.6500e-003	9.6500e-003		8.8800e-003	8.8800e-003	0.0000	34.0469	34.0469	0.0110	0.0000	34.3221
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0188	0.1891	0.2479	3.9000e-004		9.6500e-003	9.6500e-003		8.8800e-003	8.8800e-003	0.0000	34.0469	34.0469	0.0110	0.0000	34.3221

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3.4 Paving - 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	1.1200e-003	7.4000e-004	8.3400e-003	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.2936	2.2936	5.0000e-005	0.0000	2.2950
Total	1.1200e-003	7.4000e-004	8.3400e-003	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.2936	2.2936	5.0000e-005	0.0000	2.2950

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0188	0.1891	0.2479	3.9000e-004		9.6500e-003	9.6500e-003		8.8800e-003	8.8800e-003	0.0000	34.0468	34.0468	0.0110	0.0000	34.3221
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0188	0.1891	0.2479	3.9000e-004		9.6500e-003	9.6500e-003		8.8800e-003	8.8800e-003	0.0000	34.0468	34.0468	0.0110	0.0000	34.3221

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3.4 Paving - 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	1.1200e-003	7.4000e-004	8.3400e-003	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.2936	2.2936	5.0000e-005	0.0000	2.2950
Total	1.1200e-003	7.4000e-004	8.3400e-003	3.0000e-005	2.8100e-003	2.0000e-005	2.8300e-003	7.5000e-004	2.0000e-005	7.6000e-004	0.0000	2.2936	2.2936	5.0000e-005	0.0000	2.2950

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1695					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5800e-003	0.0247	0.0317	5.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4682	4.4682	2.9000e-004	0.0000	4.4755
Total	0.1731	0.0247	0.0317	5.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4682	4.4682	2.9000e-004	0.0000	4.4755

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3.5 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8200e-003	5.1900e-003	0.0584	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2300e-003	1.2000e-004	5.3400e-003	0.0000	16.0553	16.0553	3.8000e-004	0.0000	16.0648
Total	7.8200e-003	5.1900e-003	0.0584	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2300e-003	1.2000e-004	5.3400e-003	0.0000	16.0553	16.0553	3.8000e-004	0.0000	16.0648

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1695					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5800e-003	0.0247	0.0317	5.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4682	4.4682	2.9000e-004	0.0000	4.4755
Total	0.1731	0.0247	0.0317	5.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	4.4682	4.4682	2.9000e-004	0.0000	4.4755

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3.5 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.8200e-003	5.1900e-003	0.0584	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2300e-003	1.2000e-004	5.3400e-003	0.0000	16.0553	16.0553	3.8000e-004	0.0000	16.0648
Total	7.8200e-003	5.1900e-003	0.0584	1.8000e-004	0.0197	1.3000e-004	0.0198	5.2300e-003	1.2000e-004	5.3400e-003	0.0000	16.0553	16.0553	3.8000e-004	0.0000	16.0648

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	15.00	7.50	8.50	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
Other Non-Asphalt Surfaces	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

5.0 Energy Detail

Historical Energy Use: N

Folsom Paving - Sacramento County, Annual

5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas 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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0972	1.4000e-004	0.0155	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322
Unmitigated	0.0972	1.4000e-004	0.0155	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322

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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	0.0170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0788					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4100e-003	1.4000e-004	0.0155	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322
Total	0.0972	1.4000e-004	0.0155	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322

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	0.0170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0788					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4100e-003	1.4000e-004	0.0155	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322
Total	0.0972	1.4000e-004	0.0155	0.0000		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.0303	0.0303	8.0000e-005	0.0000	0.0322

7.0 Water Detail

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7.1 Mitigation Measures Water

	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			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	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

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	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			
Other Non-Asphalt Surfaces	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
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Folsom Paving - 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
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Boilers

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

Equipment Type	Number
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11.0 Vegetation

Folsom Paving - Sacramento County, Summer

Folsom Paving
Sacramento County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	1,219.13	1000sqft	27.99	1,219,130.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MWhr)	278.51	CH4 Intensity (lb/MWhr)	0.008	N2O Intensity (lb/MWhr)	0.001

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted SMUD 2050 RPS, assumed same as 2030 50% RPS goal.

Land Use - Data provided by applicant.

Construction Phase -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - .

Folsom Paving - Sacramento County, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	4/26/2024	4/26/2022
tblConstructionPhase	PhaseEndDate	3/8/2024	3/8/2022
tblConstructionPhase	PhaseStartDate	3/9/2024	3/9/2022
tblConstructionPhase	PhaseStartDate	1/20/2024	1/20/2022
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.008
tblProjectCharacteristics	CO2IntensityFactor	590.31	278.51
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Folsom Paving - 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	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
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	0.5360	1.1100e-003	0.1237	1.0000e-005	0.0000	4.4000e-004	4.4000e-004	0.0000	4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004	0.0000	0.2840

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	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
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	0.5360	1.1100e-003	0.1237	1.0000e-005	0.0000	4.4000e-004	4.4000e-004	0.0000	4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004	0.0000	0.2840

Folsom Paving - 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	Site Preparation	Site Preparation	2/12/2022	3/11/2022	5	20	
2	Grading	Grading	3/12/2022	5/13/2022	5	45	
3	Paving	Paving	1/20/2022	3/8/2022	5	35	
4	Architectural Coating	Architectural Coating	3/9/2022	4/26/2022	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 27.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 73,148 (Architectural Coating – sqft)

OffRoad Equipment

Folsom Paving - 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
Grading	Excavators	2	8.00	158	0.38
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	102.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Folsom Paving - Sacramento County, Summer

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0881	0.0474	0.7107	1.9800e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		197.5516	197.5516	4.7800e-003		197.6712
Total	0.0881	0.0474	0.7107	1.9800e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		197.5516	197.5516	4.7800e-003		197.6712

Folsom Paving - Sacramento County, Summer

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0881	0.0474	0.7107	1.9800e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		197.5516	197.5516	4.7800e-003		197.6712
Total	0.0881	0.0474	0.7107	1.9800e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		197.5516	197.5516	4.7800e-003		197.6712

Folsom Paving - Sacramento County, Summer

3.3 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006		6,011.4105	6,011.4105	1.9442		6,060.0158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0979	0.0527	0.7897	2.2000e-003	0.2281	1.4400e-003	0.2296	0.0605	1.3300e-003	0.0618		219.5018	219.5018	5.3200e-003		219.6347
Total	0.0979	0.0527	0.7897	2.2000e-003	0.2281	1.4400e-003	0.2296	0.0605	1.3300e-003	0.0618		219.5018	219.5018	5.3200e-003		219.6347

Folsom Paving - Sacramento County, Summer

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0979	0.0527	0.7897	2.2000e-003	0.2281	1.4400e-003	0.2296	0.0605	1.3300e-003	0.0618		219.5018	219.5018	5.3200e-003		219.6347
Total	0.0979	0.0527	0.7897	2.2000e-003	0.2281	1.4400e-003	0.2296	0.0605	1.3300e-003	0.0618		219.5018	219.5018	5.3200e-003		219.6347

Folsom Paving - Sacramento County, Summer

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0395	0.5923	1.6500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		164.6264	164.6264	3.9900e-003		164.7260
Total	0.0734	0.0395	0.5923	1.6500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		164.6264	164.6264	3.9900e-003		164.7260

Folsom Paving - Sacramento County, Summer

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0734	0.0395	0.5923	1.6500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		164.6264	164.6264	3.9900e-003		164.7260
Total	0.0734	0.0395	0.5923	1.6500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		164.6264	164.6264	3.9900e-003		164.7260

Folsom Paving - Sacramento County, Summer

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.6869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	9.8914	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4991	0.2687	4.0273	0.0112	1.1634	7.3400e-003	1.1707	0.3085	6.7600e-003	0.3153		1,119.4592	1,119.4592	0.0271		1,120.1370
Total	0.4991	0.2687	4.0273	0.0112	1.1634	7.3400e-003	1.1707	0.3085	6.7600e-003	0.3153		1,119.4592	1,119.4592	0.0271		1,120.1370

Folsom Paving - Sacramento County, Summer

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.6869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	9.8914	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4991	0.2687	4.0273	0.0112	1.1634	7.3400e-003	1.1707	0.3085	6.7600e-003	0.3153		1,119.4592	1,119.4592	0.0271		1,120.1370
Total	0.4991	0.2687	4.0273	0.0112	1.1634	7.3400e-003	1.1707	0.3085	6.7600e-003	0.3153		1,119.4592	1,119.4592	0.0271		1,120.1370

4.0 Operational Detail - Mobile

Folsom Paving - Sacramento County, Summer

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	15.00	7.50	8.50	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
Other Non-Asphalt Surfaces	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

Folsom Paving - Sacramento County, Summer

5.0 Energy Detail

Historical Energy Use: N

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

Folsom Paving - 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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Folsom Paving - 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	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
Unmitigated	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840

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	0.0929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0113	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
Total	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840

Folsom Paving - 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	0.0929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0113	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
Total	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840

7.0 Water Detail

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Folsom Paving - Sacramento County, Summer

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

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

Equipment Type	Number
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11.0 Vegetation

Folsom Paving - Sacramento County, Winter

Folsom Paving
Sacramento County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	1,219.13	1000sqft	27.99	1,219,130.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	3.5	Precipitation Freq (Days)	58
Climate Zone	6			Operational Year	2050
Utility Company	Sacramento Municipal Utility District				
CO2 Intensity (lb/MW hr)	278.51	CH4 Intensity (lb/MW hr)	0.008	N2O Intensity (lb/MW hr)	0.001

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Adjusted SMUD 2050 RPS, assumed same as 2030 50% RPS goal.

Land Use - Data provided by applicant.

Construction Phase -

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - .

Folsom Paving - Sacramento County, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	4/26/2024	4/26/2022
tblConstructionPhase	PhaseEndDate	3/8/2024	3/8/2022
tblConstructionPhase	PhaseStartDate	3/9/2024	3/9/2022
tblConstructionPhase	PhaseStartDate	1/20/2024	1/20/2022
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.008
tblProjectCharacteristics	CO2IntensityFactor	590.31	278.51
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.001
tblProjectCharacteristics	OperationalYear	2018	2050
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural

2.0 Emissions Summary

Folsom Paving - Sacramento County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
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	0.5360	1.1100e-003	0.1237	1.0000e-005	0.0000	4.4000e-004	4.4000e-004	0.0000	4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004	0.0000	0.2840

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	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
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	0.5360	1.1100e-003	0.1237	1.0000e-005	0.0000	4.4000e-004	4.4000e-004	0.0000	4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004	0.0000	0.2840

Folsom Paving - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	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	Site Preparation	Site Preparation	2/12/2022	3/11/2022	5	20	
2	Grading	Grading	3/12/2022	5/13/2022	5	45	
3	Paving	Paving	1/20/2022	3/8/2022	5	35	
4	Architectural Coating	Architectural Coating	3/9/2022	4/26/2022	5	35	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 112.5

Acres of Paving: 27.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 73,148 (Architectural Coating – sqft)

OffRoad Equipment

Folsom Paving - Sacramento County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	102.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	15.00	8.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Folsom Paving - Sacramento County, Winter

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143		3,686.0619	3,686.0619	1.1922		3,715.8655

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0860	0.0586	0.5827	1.7400e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		173.3507	173.3507	4.1100e-003		173.4535
Total	0.0860	0.0586	0.5827	1.7400e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		173.3507	173.3507	4.1100e-003		173.4535

Folsom Paving - Sacramento County, Winter

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
Total	3.1701	33.0835	19.6978	0.0380	18.0663	1.6126	19.6788	9.9307	1.4836	11.4143	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0860	0.0586	0.5827	1.7400e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		173.3507	173.3507	4.1100e-003		173.4535
Total	0.0860	0.0586	0.5827	1.7400e-003	0.2053	1.2900e-003	0.2066	0.0545	1.1900e-003	0.0556		173.3507	173.3507	4.1100e-003		173.4535

Folsom Paving - Sacramento County, Winter

3.3 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					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006		6,011.4105	6,011.4105	1.9442		6,060.0158

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0955	0.0651	0.6475	1.9300e-003	0.2281	1.4400e-003	0.2296	0.0605	1.3300e-003	0.0618		192.6119	192.6119	4.5700e-003		192.7261
Total	0.0955	0.0651	0.6475	1.9300e-003	0.2281	1.4400e-003	0.2296	0.0605	1.3300e-003	0.0618		192.6119	192.6119	4.5700e-003		192.7261

Folsom Paving - Sacramento County, Winter

3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
Total	3.6248	38.8435	29.0415	0.0621	8.6733	1.6349	10.3082	3.5965	1.5041	5.1006	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0955	0.0651	0.6475	1.9300e-003	0.2281	1.4400e-003	0.2296	0.0605	1.3300e-003	0.0618		192.6119	192.6119	4.5700e-003		192.7261
Total	0.0955	0.0651	0.6475	1.9300e-003	0.2281	1.4400e-003	0.2296	0.0605	1.3300e-003	0.0618		192.6119	192.6119	4.5700e-003		192.7261

Folsom Paving - Sacramento County, Winter

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.6603	2,207.6603	0.7140		2,225.5104

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0717	0.0488	0.4856	1.4500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		144.4590	144.4590	3.4200e-003		144.5446
Total	0.0717	0.0488	0.4856	1.4500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		144.4590	144.4590	3.4200e-003		144.5446

Folsom Paving - Sacramento County, Winter

3.4 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0717	0.0488	0.4856	1.4500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		144.4590	144.4590	3.4200e-003		144.5446
Total	0.0717	0.0488	0.4856	1.4500e-003	0.1711	1.0800e-003	0.1722	0.0454	9.9000e-004	0.0464		144.4590	144.4590	3.4200e-003		144.5446

Folsom Paving - Sacramento County, Winter

3.5 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.6869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	9.8914	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4873	0.3321	3.3022	9.8600e-003	1.1634	7.3400e-003	1.1707	0.3085	6.7600e-003	0.3153		982.3209	982.3209	0.0233		982.9031
Total	0.4873	0.3321	3.3022	9.8600e-003	1.1634	7.3400e-003	1.1707	0.3085	6.7600e-003	0.3153		982.3209	982.3209	0.0233		982.9031

Folsom Paving - Sacramento County, Winter

3.5 Architectural Coating - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	9.6869					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	9.8914	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.4873	0.3321	3.3022	9.8600e-003	1.1634	7.3400e-003	1.1707	0.3085	6.7600e-003	0.3153		982.3209	982.3209	0.0233		982.9031
Total	0.4873	0.3321	3.3022	9.8600e-003	1.1634	7.3400e-003	1.1707	0.3085	6.7600e-003	0.3153		982.3209	982.3209	0.0233		982.9031

4.0 Operational Detail - Mobile

Folsom Paving - Sacramento County, Winter

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0000	0.0000	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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	15.00	7.50	8.50	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
Other Non-Asphalt Surfaces	0.580149	0.033626	0.214268	0.103243	0.009295	0.004286	0.018584	0.027006	0.001866	0.001223	0.005352	0.000566	0.000536

Folsom Paving - Sacramento County, Winter

5.0 Energy Detail

Historical Energy Use: N

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

Folsom Paving - Sacramento County, Winter

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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

Folsom Paving - Sacramento County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
Unmitigated	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840

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	0.0929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0113	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
Total	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840

Folsom Paving - Sacramento County, Winter

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	0.0929					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.4318					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0113	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840
Total	0.5360	1.1100e-003	0.1237	1.0000e-005		4.4000e-004	4.4000e-004		4.4000e-004	4.4000e-004		0.2668	0.2668	6.9000e-004		0.2840

7.0 Water Detail

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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Folsom Paving - Sacramento County, Winter

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

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

Equipment Type	Number
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11.0 Vegetation

GHG Emission Assumptions

Category	Value	Notes	Source
Energy Emission Factors			
		<-Percent Renewable (including eligible hydro, excluding large hydro/nuclear)	2016 Power Content Label: https://www.smud.org/assets/documents/pdf/Power-Content-Label-full.pdf
SMUD 2016	20%		
Large Hydro	23%		
Natural Gas	41%		
Coal	0%		
Nuclear	0%		
Unspecified	16%		
eGRID2014 Average California Natural Gas Electricity Plant EFs			https://www.epa.gov/energy/emissions-generation-resource-integrated-database-egrid
Ib CO2/MWh	864.99		Weighted average based on annual plant net generation
Ib CH4/GWh	17.29		Weighted average based on annual plant net generation
Ib N2O/GWh	1.75		Weighted average based on annual plant net generation
eGRID2014 Average California Coal Electricity Plant EFs			https://www.epa.gov/sites/production/files/2017-02/egrid2014_data_v2.xlsx
Ib CO2/MWh	2147.45		Weighted average based on annual plant net generation
Ib CH4/GWh	242.60		Weighted average based on annual plant net generation
Ib N2O/GWh	35.94		Weighted average based on annual plant net generation
eGRID2014 CAMX Emission Factors			Assumed to represent unspecified power sources
Ib CO2/MWh	568.60		Calculated based on PG&E 2014 Non-Renewable Emission Factor
Ib CH4/GWh	33.10		Calculated based on PG&E 2014 Non-Renewable Emission Factor
Ib N2O/GWh	4.00		Calculated based on PG&E 2014 Non-Renewable Emission Factor
SMUD 2016 Calculated EF's			
Ib CO2/MWh	445.62	Overall Electricity Emission Factor	
Ib CH4/GWh	12.39	Overall Electricity Emission Factor	
Ib N2O/GWh	1.36	Overall Electricity Emission Factor	
Ib CO2/MWh	557.03	Calculated "Non-Renewable" Emission Factor	
Ib CH4/GWh	15.48	Calculated "Non-Renewable" Emission Factor	
Ib N2O/GWh	1.70	Calculated "Non-Renewable" Emission Factor	
SMUD 2050	50%	<-Percent Renewable	Assume 2050 RPS goal is same as Senate Bill 350 50% RPS 2030 goal
Ib CO2/MWh	278.51	For CalEEMod input	Calculated based on SMUD 2016 Non-Renewable Emission Factor
Ib CH4/MWh	0.008	For CalEEMod input	Calculated based on SMUD 2016 Non-Renewable Emission Factor
Ib N2O/MWh	0.0008	For CalEEMod input	Calculated based on SMUD 2016 Non-Renewable Emission Factor
GWP			
		Notes	Source
CO2	1		
CH4	34	100 year horizon. With climate carbon feedbacks.	IPCC Fifth Assessment Report - Chapter 8. Table 8.7
N2O	298	100 year horizon. With climate carbon feedbacks.	IPCC Fifth Assessment Report - Chapter 8. Table 8.7