APPENDIX C

AIR QUALITY – CALEEMOD OUTPUT FILES

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Fresno General Plan Update - Residential

Fresno County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	60.00	Dwelling Unit	19.48	108,000.00	172
Apartments Mid Rise	84.00	Dwelling Unit	2.21	84,000.00	240

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	45
Climate Zone	3			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity based on 5-year average (PG&E 2015)

Land Use -

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Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Residential_Exterior	129600	0
tblAreaCoating	Area_Residential_Interior	388800	0
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblWoodstoves	NumberCatalytic	2.21	0.00
tblWoodstoves	NumberCatalytic	19.48	0.00
tblWoodstoves	NumberNoncatalytic	2.21	0.00
tblWoodstoves	NumberNoncatalytic	19.48	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2034	0.2339	1.3026	2.3488	5.7500e-003	0.3204	0.0290	0.3495	0.1336	0.0290	0.1626	0.0000	505.5348	505.5348	0.0209	0.0000	506.0580
2035	1.9343	0.7904	1.6704	3.7300e-003	0.0685	0.0102	0.0787	0.0184	0.0101	0.0286	0.0000	322.4864	322.4864	0.0126	0.0000	322.8002
Maximum	**1.9343**	**1.3026**	**2.3488**	**5.7500e-003**	**0.3204**	**0.0290**	**0.3495**	**0.1336**	**0.0290**	**0.1626**	**0.0000**	**505.5348**	**505.5348**	**0.0209**	**0.0000**	**506.0580**

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					
2034	0.2339	1.3026	2.3488	5.7500e-003	0.3204	0.0290	0.3495	0.1336	0.0290	0.1626	0.0000	505.5343	505.5343	0.0209	0.0000	506.0575
2035	1.9343	0.7904	1.6704	3.7300e-003	0.0685	0.0102	0.0787	0.0184	0.0101	0.0286	0.0000	322.4861	322.4861	0.0126	0.0000	322.7999
Maximum	**1.9343**	**1.3026**	**2.3488**	**5.7500e-003**	**0.3204**	**0.0290**	**0.3495**	**0.1336**	**0.0290**	**0.1626**	**0.0000**	**505.5343**	**505.5343**	**0.0209**	**0.0000**	**506.0575**

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

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2034	4-1-2034	0.4955	0.4955
2	4-2-2034	7-1-2034	0.3455	0.3455
3	7-2-2034	10-1-2034	0.3493	0.3493
4	10-2-2034	1-1-2035	0.3493	0.3493
5	1-2-2035	4-1-2035	0.3137	0.3137
6	4-2-2035	7-1-2035	0.3169	0.3169
7	7-2-2035	9-30-2035	0.4023	0.4023
		Highest	0.4955	0.4955

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	0.7880	0.0662	1.0884	4.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	64.1284	64.1284	2.8600e-003	1.1400e-003	64.5407
Energy	0.0140	0.1194	0.0508	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	273.0242	273.0242	0.0145	4.9900e-003	274.8757
Mobile	0.2044	3.2497	1.9934	0.0174	1.2482	6.6300e-003	1.2548	0.3361	6.2300e-003	0.3424	0.0000	1,628.8168	1,628.8168	0.1200	0.0000	1,631.8170
Waste						0.0000	0.0000		0.0000	0.0000	20.4128	0.0000	20.4128	1.2064	0.0000	50.5718
Water						0.0000	0.0000		0.0000	0.0000	2.9765	10.6590	13.6355	0.3067	7.4100e-003	23.5111
Total	**1.0064**	**3.4352**	**3.1326**	**0.0186**	**1.2482**	**0.0266**	**1.2748**	**0.3361**	**0.0262**	**0.3623**	**23.3893**	**1,976.6284**	**2,000.0177**	**1.6504**	**0.0135**	**2,045.3163**

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	0.7880	0.0662	1.0884	4.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	64.1284	64.1284	2.8600e-003	1.1400e-003	64.5407
Energy	0.0140	0.1194	0.0508	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	273.0242	273.0242	0.0145	4.9900e-003	274.8757
Mobile	0.2044	3.2497	1.9934	0.0174	1.2482	6.6300e-003	1.2548	0.3361	6.2300e-003	0.3424	0.0000	1,628.8168	1,628.8168	0.1200	0.0000	1,631.8170
Waste						0.0000	0.0000		0.0000	0.0000	20.4128	0.0000	20.4128	1.2064	0.0000	50.5718
Water						0.0000	0.0000		0.0000	0.0000	2.9765	10.6590	13.6355	0.3067	7.4100e-003	23.5111
Total	**1.0064**	**3.4352**	**3.1326**	**0.0186**	**1.2482**	**0.0266**	**1.2748**	**0.3361**	**0.0262**	**0.3623**	**23.3893**	**1,976.6284**	**2,000.0177**	**1.6504**	**0.0135**	**2,045.3163**

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/2/2034	1/27/2034	5	20	
2	Site Preparation	Site Preparation	1/28/2034	2/10/2034	5	10	
3	Grading	Grading	2/11/2034	3/31/2034	5	35	
4	Building Construction	Building Construction	4/1/2034	8/31/2035	5	370	
5	Paving	Paving	9/1/2035	9/28/2035	5	20	
6	Architectural Coating	Architectural Coating	9/29/2035	10/26/2035	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 87.5

Acres of Paving: 0

Residential Indoor: 388,800; Residential Outdoor: 129,600; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; 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
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
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
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
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	82.00	15.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0208	0.0978	0.1892	4.6000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	39.7218	39.7218	1.6800e-003	0.0000	39.7637
Total	**0.0208**	**0.0978**	**0.1892**	**4.6000e-004**		**3.5100e-003**	**3.5100e-003**		**3.5100e-003**	**3.5100e-003**	**0.0000**	**39.7218**	**39.7218**	**1.6800e-003**	**0.0000**	**39.7637**

3.2 Demolition - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.3000e-004	1.1000e-004	1.4900e-003	1.0000e-005	1.2000e-003	0.0000	1.2000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.6793	0.6793	1.0000e-005	0.0000	0.6795
Total	**2.3000e-004**	**1.1000e-004**	**1.4900e-003**	**1.0000e-005**	**1.2000e-003**	**0.0000**	**1.2000e-003**	**3.2000e-004**	**0.0000**	**3.2000e-004**	**0.0000**	**0.6793**	**0.6793**	**1.0000e-005**	**0.0000**	**0.6795**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0208	0.0978	0.1892	4.6000e-004		3.5100e-003	3.5100e-003		3.5100e-003	3.5100e-003	0.0000	39.7218	39.7218	1.6800e-003	0.0000	39.7637
Total	**0.0208**	**0.0978**	**0.1892**	**4.6000e-004**		**3.5100e-003**	**3.5100e-003**		**3.5100e-003**	**3.5100e-003**	**0.0000**	**39.7218**	**39.7218**	**1.6800e-003**	**0.0000**	**39.7637**

3.2 Demolition - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.3000e-004	1.1000e-004	1.4900e-003	1.0000e-005	1.2000e-003	0.0000	1.2000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.6793	0.6793	1.0000e-005	0.0000	0.6795
Total	**2.3000e-004**	**1.1000e-004**	**1.4900e-003**	**1.0000e-005**	**1.2000e-003**	**0.0000**	**1.2000e-003**	**3.2000e-004**	**0.0000**	**3.2000e-004**	**0.0000**	**0.6793**	**0.6793**	**1.0000e-005**	**0.0000**	**0.6795**

3.3 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.0683	0.0815	2.3000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	20.0023	20.0023	9.9000e-004	0.0000	20.0270
Total	**0.0122**	**0.0683**	**0.0815**	**2.3000e-004**	**0.0903**	**2.1800e-003**	**0.0925**	**0.0497**	**2.1800e-003**	**0.0518**	**0.0000**	**20.0023**	**20.0023**	**9.9000e-004**	**0.0000**	**20.0270**

3.3 Site Preparation - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4000e-004	7.0000e-005	8.9000e-004	0.0000	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4076	0.4076	0.0000	0.0000	0.4077
Total	**1.4000e-004**	**7.0000e-005**	**8.9000e-004**	**0.0000**	**7.2000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.4076**	**0.4076**	**0.0000**	**0.0000**	**0.4077**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0122	0.0683	0.0815	2.3000e-004		2.1800e-003	2.1800e-003		2.1800e-003	2.1800e-003	0.0000	20.0023	20.0023	9.9000e-004	0.0000	20.0270
Total	**0.0122**	**0.0683**	**0.0815**	**2.3000e-004**	**0.0903**	**2.1800e-003**	**0.0925**	**0.0497**	**2.1800e-003**	**0.0518**	**0.0000**	**20.0023**	**20.0023**	**9.9000e-004**	**0.0000**	**20.0270**

3.3 Site Preparation - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4000e-004	7.0000e-005	8.9000e-004	0.0000	7.2000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.4076	0.4076	0.0000	0.0000	0.4077
Total	**1.4000e-004**	**7.0000e-005**	**8.9000e-004**	**0.0000**	**7.2000e-004**	**0.0000**	**7.2000e-004**	**1.9000e-004**	**0.0000**	**1.9000e-004**	**0.0000**	**0.4076**	**0.4076**	**0.0000**	**0.0000**	**0.4077**

3.4 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1518	0.0000	0.1518	0.0629	0.0000	0.0629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0574	0.2423	0.4029	1.2200e-003		8.5400e-003	8.5400e-003		8.5400e-003	8.5400e-003	0.0000	114.5134	114.5134	4.6300e-003	0.0000	114.6291
Total	**0.0574**	**0.2423**	**0.4029**	**1.2200e-003**	**0.1518**	**8.5400e-003**	**0.1603**	**0.0629**	**8.5400e-003**	**0.0715**	**0.0000**	**114.5134**	**114.5134**	**4.6300e-003**	**0.0000**	**114.6291**

3.4 Grading - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.5000e-004	2.5000e-004	3.4700e-003	2.0000e-005	2.8000e-003	1.0000e-005	2.8100e-003	7.4000e-004	1.0000e-005	7.5000e-004	0.0000	1.5850	1.5850	2.0000e-005	0.0000	1.5854
Total	**5.5000e-004**	**2.5000e-004**	**3.4700e-003**	**2.0000e-005**	**2.8000e-003**	**1.0000e-005**	**2.8100e-003**	**7.4000e-004**	**1.0000e-005**	**7.5000e-004**	**0.0000**	**1.5850**	**1.5850**	**2.0000e-005**	**0.0000**	**1.5854**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1518	0.0000	0.1518	0.0629	0.0000	0.0629	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0574	0.2423	0.4029	1.2200e-003		8.5400e-003	8.5400e-003		8.5400e-003	8.5400e-003	0.0000	114.5133	114.5133	4.6300e-003	0.0000	114.6290
Total	**0.0574**	**0.2423**	**0.4029**	**1.2200e-003**	**0.1518**	**8.5400e-003**	**0.1603**	**0.0629**	**8.5400e-003**	**0.0715**	**0.0000**	**114.5133**	**114.5133**	**4.6300e-003**	**0.0000**	**114.6290**

3.4 Grading - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.5000e-004	2.5000e-004	3.4700e-003	2.0000e-005	2.8000e-003	1.0000e-005	2.8100e-003	7.4000e-004	1.0000e-005	7.5000e-004	0.0000	1.5850	1.5850	2.0000e-005	0.0000	1.5854
Total	**5.5000e-004**	**2.5000e-004**	**3.4700e-003**	**2.0000e-005**	**2.8000e-003**	**1.0000e-005**	**2.8100e-003**	**7.4000e-004**	**1.0000e-005**	**7.5000e-004**	**0.0000**	**1.5850**	**1.5850**	**2.0000e-005**	**0.0000**	**1.5854**

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1276	0.7736	1.5753	3.0200e-003		0.0144	0.0144		0.0144	0.0144	0.0000	256.2895	256.2895	0.0103	0.0000	256.5465
Total	**0.1276**	**0.7736**	**1.5753**	**3.0200e-003**		**0.0144**	**0.0144**		**0.0144**	**0.0144**	**0.0000**	**256.2895**	**256.2895**	**0.0103**	**0.0000**	**256.5465**

3.5 Building Construction - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4300e-003	0.1143	0.0148	3.8000e-004	9.6900e-003	1.0000e-004	9.8000e-003	2.8000e-003	1.0000e-004	2.9000e-003	0.0000	36.1295	36.1295	2.9500e-003	0.0000	36.2033
Worker	0.0125	5.8100e-003	0.0793	4.0000e-004	0.0639	2.1000e-004	0.0641	0.0170	1.9000e-004	0.0172	0.0000	36.2064	36.2064	3.8000e-004	0.0000	36.2159
Total	**0.0149**	**0.1201**	**0.0941**	**7.8000e-004**	**0.0736**	**3.1000e-004**	**0.0739**	**0.0198**	**2.9000e-004**	**0.0201**	**0.0000**	**72.3359**	**72.3359**	**3.3300e-003**	**0.0000**	**72.4191**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1276	0.7736	1.5753	3.0200e-003		0.0144	0.0144		0.0144	0.0144	0.0000	256.2892	256.2892	0.0103	0.0000	256.5462
Total	**0.1276**	**0.7736**	**1.5753**	**3.0200e-003**		**0.0144**	**0.0144**		**0.0144**	**0.0144**	**0.0000**	**256.2892**	**256.2892**	**0.0103**	**0.0000**	**256.5462**

3.5 Building Construction - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.4300e-003	0.1143	0.0148	3.8000e-004	9.6900e-003	1.0000e-004	9.8000e-003	2.8000e-003	1.0000e-004	2.9000e-003	0.0000	36.1295	36.1295	2.9500e-003	0.0000	36.2033
Worker	0.0125	5.8100e-003	0.0793	4.0000e-004	0.0639	2.1000e-004	0.0641	0.0170	1.9000e-004	0.0172	0.0000	36.2064	36.2064	3.8000e-004	0.0000	36.2159
Total	**0.0149**	**0.1201**	**0.0941**	**7.8000e-004**	**0.0736**	**3.1000e-004**	**0.0739**	**0.0198**	**2.9000e-004**	**0.0201**	**0.0000**	**72.3359**	**72.3359**	**3.3300e-003**	**0.0000**	**72.4191**

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1065	0.6266	1.4103	2.7100e-003		7.9100e-003	7.9100e-003		7.9100e-003	7.9100e-003	0.0000	230.0034	230.0034	8.5700e-003	0.0000	230.2176
Total	**0.1065**	**0.6266**	**1.4103**	**2.7100e-003**		**7.9100e-003**	**7.9100e-003**		**7.9100e-003**	**7.9100e-003**	**0.0000**	**230.0034**	**230.0034**	**8.5700e-003**	**0.0000**	**230.2176**

3.5 Building Construction - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1700e-003	0.1023	0.0132	3.4000e-004	8.7000e-003	9.0000e-005	8.7900e-003	2.5100e-003	9.0000e-005	2.6000e-003	0.0000	32.4141	32.4141	2.6300e-003	0.0000	32.4799
Worker	0.0105	4.9300e-003	0.0678	3.5000e-004	0.0574	1.7000e-004	0.0575	0.0153	1.6000e-004	0.0154	0.0000	32.0322	32.0322	3.2000e-004	0.0000	32.0401
Total	**0.0127**	**0.1073**	**0.0810**	**6.9000e-004**	**0.0661**	**2.6000e-004**	**0.0663**	**0.0178**	**2.5000e-004**	**0.0180**	**0.0000**	**64.4463**	**64.4463**	**2.9500e-003**	**0.0000**	**64.5200**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1065	0.6266	1.4103	2.7100e-003		7.9100e-003	7.9100e-003		7.9100e-003	7.9100e-003	0.0000	230.0031	230.0031	8.5700e-003	0.0000	230.2173
Total	**0.1065**	**0.6266**	**1.4103**	**2.7100e-003**		**7.9100e-003**	**7.9100e-003**		**7.9100e-003**	**7.9100e-003**	**0.0000**	**230.0031**	**230.0031**	**8.5700e-003**	**0.0000**	**230.2173**

3.5 Building Construction - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.1700e-003	0.1023	0.0132	3.4000e-004	8.7000e-003	9.0000e-005	8.7900e-003	2.5100e-003	9.0000e-005	2.6000e-003	0.0000	32.4141	32.4141	2.6300e-003	0.0000	32.4799
Worker	0.0105	4.9300e-003	0.0678	3.5000e-004	0.0574	1.7000e-004	0.0575	0.0153	1.6000e-004	0.0154	0.0000	32.0322	32.0322	3.2000e-004	0.0000	32.0401
Total	**0.0127**	**0.1073**	**0.0810**	**6.9000e-004**	**0.0661**	**2.6000e-004**	**0.0663**	**0.0178**	**2.5000e-004**	**0.0180**	**0.0000**	**64.4463**	**64.4463**	**2.9500e-003**	**0.0000**	**64.5200**

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0114	0.0488	0.1582	2.8000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	24.0995	24.0995	9.3000e-004	0.0000	24.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0114**	**0.0488**	**0.1582**	**2.8000e-004**		**1.8700e-003**	**1.8700e-003**		**1.8700e-003**	**1.8700e-003**	**0.0000**	**24.0995**	**24.0995**	**9.3000e-004**	**0.0000**	**24.1227**

3.6 Paving - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2000e-004	1.0000e-004	1.4200e-003	1.0000e-005	1.2000e-003	0.0000	1.2000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.6697	0.6697	1.0000e-005	0.0000	0.6698
Total	**2.2000e-004**	**1.0000e-004**	**1.4200e-003**	**1.0000e-005**	**1.2000e-003**	**0.0000**	**1.2000e-003**	**3.2000e-004**	**0.0000**	**3.2000e-004**	**0.0000**	**0.6697**	**0.6697**	**1.0000e-005**	**0.0000**	**0.6698**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0114	0.0488	0.1582	2.8000e-004		1.8700e-003	1.8700e-003		1.8700e-003	1.8700e-003	0.0000	24.0995	24.0995	9.3000e-004	0.0000	24.1227
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0114**	**0.0488**	**0.1582**	**2.8000e-004**		**1.8700e-003**	**1.8700e-003**		**1.8700e-003**	**1.8700e-003**	**0.0000**	**24.0995**	**24.0995**	**9.3000e-004**	**0.0000**	**24.1227**

3.6 Paving - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.2000e-004	1.0000e-004	1.4200e-003	1.0000e-005	1.2000e-003	0.0000	1.2000e-003	3.2000e-004	0.0000	3.2000e-004	0.0000	0.6697	0.6697	1.0000e-005	0.0000	0.6698
Total	**2.2000e-004**	**1.0000e-004**	**1.4200e-003**	**1.0000e-005**	**1.2000e-003**	**0.0000**	**1.2000e-003**	**3.2000e-004**	**0.0000**	**3.2000e-004**	**0.0000**	**0.6697**	**0.6697**	**1.0000e-005**	**0.0000**	**0.6698**

3.7 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1800e-003	7.5800e-003	0.0179	3.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	2.5533	2.5533	9.0000e-005	0.0000	2.5556
Total	**1.8033**	**7.5800e-003**	**0.0179**	**3.0000e-005**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**2.5533**	**2.5533**	**9.0000e-005**	**0.0000**	**2.5556**

3.7 Architectural Coating - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.3000e-004	1.1000e-004	1.5100e-003	1.0000e-005	1.2800e-003	0.0000	1.2800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.7143	0.7143	1.0000e-005	0.0000	0.7145
Total	**2.3000e-004**	**1.1000e-004**	**1.5100e-003**	**1.0000e-005**	**1.2800e-003**	**0.0000**	**1.2800e-003**	**3.4000e-004**	**0.0000**	**3.4000e-004**	**0.0000**	**0.7143**	**0.7143**	**1.0000e-005**	**0.0000**	**0.7145**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.8021					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.1800e-003	7.5800e-003	0.0179	3.0000e-005		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	2.5533	2.5533	9.0000e-005	0.0000	2.5556
Total	**1.8033**	**7.5800e-003**	**0.0179**	**3.0000e-005**		**1.0000e-004**	**1.0000e-004**		**1.0000e-004**	**1.0000e-004**	**0.0000**	**2.5533**	**2.5533**	**9.0000e-005**	**0.0000**	**2.5556**

3.7 Architectural Coating - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.3000e-004	1.1000e-004	1.5100e-003	1.0000e-005	1.2800e-003	0.0000	1.2800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.7143	0.7143	1.0000e-005	0.0000	0.7145
Total	**2.3000e-004**	**1.1000e-004**	**1.5100e-003**	**1.0000e-005**	**1.2800e-003**	**0.0000**	**1.2800e-003**	**3.4000e-004**	**0.0000**	**3.4000e-004**	**0.0000**	**0.7143**	**0.7143**	**1.0000e-005**	**0.0000**	**0.7145**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2044	3.2497	1.9934	0.0174	1.2482	6.6300e-003	1.2548	0.3361	6.2300e-003	0.3424	0.0000	1,628.8168	1,628.8168	0.1200	0.0000	1,631.8170
Unmitigated	0.2044	3.2497	1.9934	0.0174	1.2482	6.6300e-003	1.2548	0.3361	6.2300e-003	0.3424	0.0000	1,628.8168	1,628.8168	0.1200	0.0000	1,631.8170

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	558.60	536.76	492.24	1,599,600	1,599,600
Single Family Housing	571.20	594.60	517.20	1,660,620	1,660,620
Total	1,129.80	1,131.36	1,009.44	3,260,220	3,260,220

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	7.30	7.50	48.40	15.90	35.70	86	11	3
Single Family Housing	10.80	7.30	7.50	48.40	15.90	35.70	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520477	0.028091	0.176473	0.089974	0.008253	0.003211	0.033872	0.130415	0.002306	0.001106	0.004464	0.000952	0.000405
Single Family Housing	0.520477	0.028091	0.176473	0.089974	0.008253	0.003211	0.033872	0.130415	0.002306	0.001106	0.004464	0.000952	0.000405

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	0.0000	134.7236	134.7236	0.0119	2.4600e-003	135.7533
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	134.7236	134.7236	0.0119	2.4600e-003	135.7533
NaturalGas Mitigated	0.0140	0.1194	0.0508	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3006	138.3006	2.6500e-003	2.5400e-003	139.1224
NaturalGas Unmitigated	0.0140	0.1194	0.0508	7.6000e-004		9.6600e-003	9.6600e-003		9.6600e-003	9.6600e-003	0.0000	138.3006	138.3006	2.6500e-003	2.5400e-003	139.1224

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.02294e+006	5.5200e-003	0.0471	0.0201	3.0000e-004		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	54.5880	54.5880	1.0500e-003	1.0000e-003	54.9124
Single Family Housing	1.56871e+006	8.4600e-003	0.0723	0.0308	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	83.7126	83.7126	1.6000e-003	1.5300e-003	84.2100
Total		**0.0140**	**0.1194**	**0.0508**	**7.6000e-004**		**9.6500e-003**	**9.6500e-003**		**9.6500e-003**	**9.6500e-003**	**0.0000**	**138.3006**	**138.3006**	**2.6500e-003**	**2.5300e-003**	**139.1224**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.02294e+006	5.5200e-003	0.0471	0.0201	3.0000e-004		3.8100e-003	3.8100e-003		3.8100e-003	3.8100e-003	0.0000	54.5880	54.5880	1.0500e-003	1.0000e-003	54.9124
Single Family Housing	1.56871e+006	8.4600e-003	0.0723	0.0308	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	83.7126	83.7126	1.6000e-003	1.5300e-003	84.2100
Total		**0.0140**	**0.1194**	**0.0508**	**7.6000e-004**		**9.6500e-003**	**9.6500e-003**		**9.6500e-003**	**9.6500e-003**	**0.0000**	**138.3006**	**138.3006**	**2.6500e-003**	**2.5300e-003**	**139.1224**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	377685	56.3284	4.9700e-003	1.0300e-003	56.7589
Single Family Housing	525644	78.3952	6.9100e-003	1.4300e-003	78.9944
Total		**134.7236**	**0.0119**	**2.4600e-003**	**135.7533**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	377685	56.3284	4.9700e-003	1.0300e-003	56.7589
Single Family Housing	525644	78.3952	6.9100e-003	1.4300e-003	78.9944
Total		**134.7236**	**0.0119**	**2.4600e-003**	**135.7533**

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	0.7880	0.0662	1.0884	4.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	64.1284	64.1284	2.8600e-003	1.1400e-003	64.5407
Unmitigated	0.7880	0.0662	1.0884	4.0000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	64.1284	64.1284	2.8600e-003	1.1400e-003	64.5407

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7499					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.3000e-003	0.0539	0.0229	3.4000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003	0.0000	62.3819	62.3819	1.2000e-003	1.1400e-003	62.7526
Landscaping	0.0319	0.0123	1.0655	6.0000e-005		5.9300e-003	5.9300e-003		5.9300e-003	5.9300e-003	0.0000	1.7466	1.7466	1.6600e-003	0.0000	1.7881
Total	**0.7880**	**0.0662**	**1.0884**	**4.0000e-004**		**0.0103**	**0.0103**		**0.0103**	**0.0103**	**0.0000**	**64.1284**	**64.1284**	**2.8600e-003**	**1.1400e-003**	**64.5407**

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7499					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.3000e-003	0.0539	0.0229	3.4000e-004		4.3600e-003	4.3600e-003		4.3600e-003	4.3600e-003	0.0000	62.3819	62.3819	1.2000e-003	1.1400e-003	62.7526
Landscaping	0.0319	0.0123	1.0655	6.0000e-005		5.9300e-003	5.9300e-003		5.9300e-003	5.9300e-003	0.0000	1.7466	1.7466	1.6600e-003	0.0000	1.7881
Total	**0.7880**	**0.0662**	**1.0884**	**4.0000e-004**		**0.0103**	**0.0103**		**0.0103**	**0.0103**	**0.0000**	**64.1284**	**64.1284**	**2.8600e-003**	**1.1400e-003**	**64.5407**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.6355	0.3067	7.4100e-003	23.5111
Unmitigated	13.6355	0.3067	7.4100e-003	23.5111

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.47294 / 3.45033	7.9540	0.1789	4.3200e-003	13.7148
Single Family Housing	3.90924 / 2.46452	5.6815	0.1278	3.0900e-003	9.7963
Total		**13.6355**	**0.3067**	**7.4100e-003**	**23.5111**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	5.47294 / 3.45033	7.9540	0.1789	4.3200e-003	13.7148
Single Family Housing	3.90924 / 2.46452	5.6815	0.1278	3.0900e-003	9.7963
Total		**13.6355**	**0.3067**	**7.4100e-003**	**23.5111**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	20.4128	1.2064	0.0000	50.5718
Unmitigated	20.4128	1.2064	0.0000	50.5718

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.64	7.8436	0.4635	0.0000	19.4321
Single Family Housing	61.92	12.5692	0.7428	0.0000	31.1397
Total		**20.4128**	**1.2064**	**0.0000**	**50.5718**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.64	7.8436	0.4635	0.0000	19.4321
Single Family Housing	61.92	12.5692	0.7428	0.0000	31.1397
Total		**20.4128**	**1.2064**	**0.0000**	**50.5718**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Fresno General Plan Update - Commercial/Mixed-Use

Fresno County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	84.10	1000sqft	1.93	84,100.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	45
Climate Zone	3			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity based on 5-year average (PG&E 2015)

Land Use -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8

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					
2034	0.1346	0.9429	1.4421	3.3000e-003	0.0482	0.0162	0.0644	0.0169	0.0162	0.0331	0.0000	278.3168	278.3168	0.0133	0.0000	278.6487
2035	0.5857	5.4900e-003	0.0140	2.0000e-005	2.5000e-004	1.0000e-004	3.5000e-004	7.0000e-005	1.0000e-004	1.7000e-004	0.0000	2.1208	2.1208	8.0000e-005	0.0000	2.1227
Maximum	**0.5857**	**0.9429**	**1.4421**	**3.3000e-003**	**0.0482**	**0.0162**	**0.0644**	**0.0169**	**0.0162**	**0.0331**	**0.0000**	**278.3168**	**278.3168**	**0.0133**	**0.0000**	**278.6487**

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					
2034	0.1346	0.9429	1.4421	3.3000e-003	0.0482	0.0162	0.0644	0.0169	0.0162	0.0331	0.0000	278.3165	278.3165	0.0133	0.0000	278.6485
2035	0.5857	5.4900e-003	0.0140	2.0000e-005	2.5000e-004	1.0000e-004	3.5000e-004	7.0000e-005	1.0000e-004	1.7000e-004	0.0000	2.1208	2.1208	8.0000e-005	0.0000	2.1227
Maximum	**0.5857**	**0.9429**	**1.4421**	**3.3000e-003**	**0.0482**	**0.0162**	**0.0644**	**0.0169**	**0.0162**	**0.0331**	**0.0000**	**278.3165**	**278.3165**	**0.0133**	**0.0000**	**278.6485**

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

Fresno General Plan Update - Commercial/Mixed-Use - Fresno County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-6-2034	5-5-2034	0.2843	0.2843
2	5-6-2034	8-5-2034	0.3103	0.3103
3	8-6-2034	11-5-2034	0.3104	0.3104
4	11-6-2034	2-5-2035	0.7600	0.7600
		Highest	0.7600	0.7600

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	0.3870	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	150.2441	150.2441	9.9400e-003	2.7500e-003	151.3107
Mobile	0.5211	8.9829	4.2399	0.0363	2.3284	0.0132	2.3416	0.6270	0.0124	0.6394	0.0000	3,401.3450	3,401.3450	0.3510	0.0000	3,410.1189
Waste						0.0000	0.0000		0.0000	0.0000	17.9241	0.0000	17.9241	1.0593	0.0000	44.4062
Water						0.0000	0.0000		0.0000	0.0000	1.9763	7.0202	8.9966	0.2036	4.9200e-003	15.5533
Total	**0.9130**	**9.0270**	**4.2777**	**0.0365**	**2.3284**	**0.0166**	**2.3449**	**0.6270**	**0.0158**	**0.6428**	**19.9004**	**3,558.6108**	**3,578.5112**	**1.6238**	**7.6700e-003**	**3,621.3907**

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	0.3870	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Energy	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	150.2441	150.2441	9.9400e-003	2.7500e-003	151.3107
Mobile	0.5211	8.9829	4.2399	0.0363	2.3284	0.0132	2.3416	0.6270	0.0124	0.6394	0.0000	3,401.3450	3,401.3450	0.3510	0.0000	3,410.1189
Waste						0.0000	0.0000		0.0000	0.0000	17.9241	0.0000	17.9241	1.0593	0.0000	44.4062
Water						0.0000	0.0000		0.0000	0.0000	1.9763	7.0202	8.9966	0.2036	4.9200e-003	15.5533
Total	**0.9130**	**9.0270**	**4.2777**	**0.0365**	**2.3284**	**0.0166**	**2.3449**	**0.6270**	**0.0158**	**0.6428**	**19.9004**	**3,558.6108**	**3,578.5112**	**1.6238**	**7.6700e-003**	**3,621.3907**

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

3.0 Construction Detail

Construction Phase

Fresno General Plan Update - Commercial/Mixed-Use - Fresno County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	2/6/2034	3/3/2034	5	20	
2	Site Preparation	Site Preparation	3/4/2034	3/7/2034	5	2	
3	Grading	Grading	3/8/2034	3/13/2034	5	4	
4	Building Construction	Building Construction	3/14/2034	12/18/2034	5	200	
5	Paving	Paving	12/19/2034	1/1/2035	5	10	
6	Architectural Coating	Architectural Coating	1/2/2035	1/15/2035	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 126,150; Non-Residential Outdoor: 42,050; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Fresno General Plan Update - Commercial/Mixed-Use - Fresno County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Graders	1	8.00	187	0.41
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Paving Equipment	1	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	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
Demolition	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0133	0.0801	0.1297	2.8000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	24.1504	24.1504	1.0700e-003	0.0000	24.1771
Total	**0.0133**	**0.0801**	**0.1297**	**2.8000e-004**		**2.1500e-003**	**2.1500e-003**		**2.1500e-003**	**2.1500e-003**	**0.0000**	**24.1504**	**24.1504**	**1.0700e-003**	**0.0000**	**24.1771**

3.2 Demolition - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.0000e-005	1.2900e-003	1.0000e-005	1.0400e-003	0.0000	1.0400e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.5887	0.5887	1.0000e-005	0.0000	0.5889
Total	**2.0000e-004**	**9.0000e-005**	**1.2900e-003**	**1.0000e-005**	**1.0400e-003**	**0.0000**	**1.0400e-003**	**2.8000e-004**	**0.0000**	**2.8000e-004**	**0.0000**	**0.5887**	**0.5887**	**1.0000e-005**	**0.0000**	**0.5889**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0133	0.0801	0.1297	2.8000e-004		2.1500e-003	2.1500e-003		2.1500e-003	2.1500e-003	0.0000	24.1504	24.1504	1.0700e-003	0.0000	24.1771
Total	**0.0133**	**0.0801**	**0.1297**	**2.8000e-004**		**2.1500e-003**	**2.1500e-003**		**2.1500e-003**	**2.1500e-003**	**0.0000**	**24.1504**	**24.1504**	**1.0700e-003**	**0.0000**	**24.1771**

3.2 Demolition - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	9.0000e-005	1.2900e-003	1.0000e-005	1.0400e-003	0.0000	1.0400e-003	2.8000e-004	0.0000	2.8000e-004	0.0000	0.5887	0.5887	1.0000e-005	0.0000	0.5889
Total	**2.0000e-004**	**9.0000e-005**	**1.2900e-003**	**1.0000e-005**	**1.0400e-003**	**0.0000**	**1.0400e-003**	**2.8000e-004**	**0.0000**	**2.8000e-004**	**0.0000**	**0.5887**	**0.5887**	**1.0000e-005**	**0.0000**	**0.5889**

3.3 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-004	4.7400e-003	5.9100e-003	2.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	1.8096	1.8096	8.0000e-005	0.0000	1.8115
Total	**9.8000e-004**	**4.7400e-003**	**5.9100e-003**	**2.0000e-005**	**5.8000e-003**	**1.6000e-004**	**5.9600e-003**	**2.9500e-003**	**1.6000e-004**	**3.1100e-003**	**0.0000**	**1.8096**	**1.8096**	**8.0000e-005**	**0.0000**	**1.8115**

3.3 Site Preparation - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-005	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0362	0.0362	0.0000	0.0000	0.0362
Total	**1.0000e-005**	**1.0000e-005**	**8.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0362**	**0.0362**	**0.0000**	**0.0000**	**0.0362**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.8000e-004	4.7400e-003	5.9100e-003	2.0000e-005		1.6000e-004	1.6000e-004		1.6000e-004	1.6000e-004	0.0000	1.8096	1.8096	8.0000e-005	0.0000	1.8115
Total	**9.8000e-004**	**4.7400e-003**	**5.9100e-003**	**2.0000e-005**	**5.8000e-003**	**1.6000e-004**	**5.9600e-003**	**2.9500e-003**	**1.6000e-004**	**3.1100e-003**	**0.0000**	**1.8096**	**1.8096**	**8.0000e-005**	**0.0000**	**1.8115**

3.3 Site Preparation - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0000e-005	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0362	0.0362	0.0000	0.0000	0.0362
Total	**1.0000e-005**	**1.0000e-005**	**8.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0362**	**0.0362**	**0.0000**	**0.0000**	**0.0362**

3.4 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	7.9600e-003	9.8900e-003	3.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	2.9644	2.9644	1.3000e-004	0.0000	2.9676
Total	**1.6200e-003**	**7.9600e-003**	**9.8900e-003**	**3.0000e-005**	**9.8300e-003**	**2.6000e-004**	**0.0101**	**5.0500e-003**	**2.6000e-004**	**5.3100e-003**	**0.0000**	**2.9644**	**2.9644**	**1.3000e-004**	**0.0000**	**2.9676**

3.4 Grading - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	1.0000e-005	1.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0725	0.0725	0.0000	0.0000	0.0725
Total	**3.0000e-005**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0725**	**0.0725**	**0.0000**	**0.0000**	**0.0725**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.8300e-003	0.0000	9.8300e-003	5.0500e-003	0.0000	5.0500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6200e-003	7.9600e-003	9.8900e-003	3.0000e-005		2.6000e-004	2.6000e-004		2.6000e-004	2.6000e-004	0.0000	2.9644	2.9644	1.3000e-004	0.0000	2.9676
Total	**1.6200e-003**	**7.9600e-003**	**9.8900e-003**	**3.0000e-005**	**9.8300e-003**	**2.6000e-004**	**0.0101**	**5.0500e-003**	**2.6000e-004**	**5.3100e-003**	**0.0000**	**2.9644**	**2.9644**	**1.3000e-004**	**0.0000**	**2.9676**

3.4 Grading - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	1.0000e-005	1.6000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0725	0.0725	0.0000	0.0000	0.0725
Total	**3.0000e-005**	**1.0000e-005**	**1.6000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**1.3000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0725**	**0.0725**	**0.0000**	**0.0000**	**0.0725**

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1081	0.7188	1.2110	2.3800e-003		0.0127	0.0127		0.0127	0.0127	0.0000	195.2857	195.2857	8.7400e-003	0.0000	195.5043
Total	**0.1081**	**0.7188**	**1.2110**	**2.3800e-003**		**0.0127**	**0.0127**		**0.0127**	**0.0127**	**0.0000**	**195.2857**	**195.2857**	**8.7400e-003**	**0.0000**	**195.5043**

3.5 Building Construction - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3200e-003	0.1094	0.0142	3.6000e-004	9.2800e-003	1.0000e-004	9.3800e-003	2.6800e-003	1.0000e-004	2.7800e-003	0.0000	34.5855	34.5855	2.8200e-003	0.0000	34.6561
Worker	4.2200e-003	1.9600e-003	0.0268	1.3000e-004	0.0216	7.0000e-005	0.0217	5.7400e-003	6.0000e-005	5.8000e-003	0.0000	12.2273	12.2273	1.3000e-004	0.0000	12.2305
Total	**6.5400e-003**	**0.1114**	**0.0409**	**4.9000e-004**	**0.0309**	**1.7000e-004**	**0.0310**	**8.4200e-003**	**1.6000e-004**	**8.5800e-003**	**0.0000**	**46.8128**	**46.8128**	**2.9500e-003**	**0.0000**	**46.8866**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	0.7188	1.2110	2.3800e-003		0.0127	0.0127		0.0127	0.0127	0.0000	195.2855	195.2855	8.7400e-003	0.0000	195.5040
Total	**0.1081**	**0.7188**	**1.2110**	**2.3800e-003**		**0.0127**	**0.0127**		**0.0127**	**0.0127**	**0.0000**	**195.2855**	**195.2855**	**8.7400e-003**	**0.0000**	**195.5040**

3.5 Building Construction - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3200e-003	0.1094	0.0142	3.6000e-004	9.2800e-003	1.0000e-004	9.3800e-003	2.6800e-003	1.0000e-004	2.7800e-003	0.0000	34.5855	34.5855	2.8200e-003	0.0000	34.6561
Worker	4.2200e-003	1.9600e-003	0.0268	1.3000e-004	0.0216	7.0000e-005	0.0217	5.7400e-003	6.0000e-005	5.8000e-003	0.0000	12.2273	12.2273	1.3000e-004	0.0000	12.2305
Total	**6.5400e-003**	**0.1114**	**0.0409**	**4.9000e-004**	**0.0309**	**1.7000e-004**	**0.0310**	**8.4200e-003**	**1.6000e-004**	**8.5800e-003**	**0.0000**	**46.8128**	**46.8128**	**2.9500e-003**	**0.0000**	**46.8866**

3.6 Paving - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6700e-003	0.0198	0.0426	7.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	6.3316	6.3316	3.0000e-004	0.0000	6.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6700e-003**	**0.0198**	**0.0426**	**7.0000e-005**		**7.8000e-004**	**7.8000e-004**		**7.8000e-004**	**7.8000e-004**	**0.0000**	**6.3316**	**6.3316**	**3.0000e-004**	**0.0000**	**6.3390**

3.6 Paving - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	4.0000e-005	5.8000e-004	0.0000	4.7000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.2649	0.2649	0.0000	0.0000	0.2650
Total	**9.0000e-005**	**4.0000e-005**	**5.8000e-004**	**0.0000**	**4.7000e-004**	**0.0000**	**4.7000e-004**	**1.2000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.2649**	**0.2649**	**0.0000**	**0.0000**	**0.2650**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6700e-003	0.0198	0.0426	7.0000e-005		7.8000e-004	7.8000e-004		7.8000e-004	7.8000e-004	0.0000	6.3316	6.3316	3.0000e-004	0.0000	6.3390
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.6700e-003**	**0.0198**	**0.0426**	**7.0000e-005**		**7.8000e-004**	**7.8000e-004**		**7.8000e-004**	**7.8000e-004**	**0.0000**	**6.3316**	**6.3316**	**3.0000e-004**	**0.0000**	**6.3390**

3.6 Paving - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	4.0000e-005	5.8000e-004	0.0000	4.7000e-004	0.0000	4.7000e-004	1.2000e-004	0.0000	1.3000e-004	0.0000	0.2649	0.2649	0.0000	0.0000	0.2650
Total	**9.0000e-005**	**4.0000e-005**	**5.8000e-004**	**0.0000**	**4.7000e-004**	**0.0000**	**4.7000e-004**	**1.2000e-004**	**0.0000**	**1.3000e-004**	**0.0000**	**0.2649**	**0.2649**	**0.0000**	**0.0000**	**0.2650**

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5000e-004	1.6800e-003	4.7200e-003	1.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7035	0.7035	3.0000e-005	0.0000	0.7042
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.5000e-004**	**1.6800e-003**	**4.7200e-003**	**1.0000e-005**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.7035**	**0.7035**	**3.0000e-005**	**0.0000**	**0.7042**

3.6 Paving - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	0.0000	6.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0290	0.0290	0.0000	0.0000	0.0290
Total	**1.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0290**	**0.0290**	**0.0000**	**0.0000**	**0.0290**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.5000e-004	1.6800e-003	4.7200e-003	1.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	0.7035	0.7035	3.0000e-005	0.0000	0.7042
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**3.5000e-004**	**1.6800e-003**	**4.7200e-003**	**1.0000e-005**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**0.7035**	**0.7035**	**3.0000e-005**	**0.0000**	**0.7042**

3.6 Paving - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	0.0000	6.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0290	0.0290	0.0000	0.0000	0.0290
Total	**1.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0290**	**0.0290**	**0.0000**	**0.0000**	**0.0290**

3.7 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	3.7900e-003	8.9700e-003	1.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	1.2766	1.2766	5.0000e-005	0.0000	1.2778
Total	**0.5853**	**3.7900e-003**	**8.9700e-003**	**1.0000e-005**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**5.0000e-005**	**0.0000**	**1.2778**

3.7 Architectural Coating - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1116	0.1116	0.0000	0.0000	0.1116
Total	**4.0000e-005**	**2.0000e-005**	**2.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1116**	**0.1116**	**0.0000**	**0.0000**	**0.1116**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.5847					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.9000e-004	3.7900e-003	8.9700e-003	1.0000e-005		5.0000e-005	5.0000e-005		5.0000e-005	5.0000e-005	0.0000	1.2766	1.2766	5.0000e-005	0.0000	1.2778
Total	**0.5853**	**3.7900e-003**	**8.9700e-003**	**1.0000e-005**		**5.0000e-005**	**5.0000e-005**		**5.0000e-005**	**5.0000e-005**	**0.0000**	**1.2766**	**1.2766**	**5.0000e-005**	**0.0000**	**1.2778**

3.7 Architectural Coating - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	2.0000e-005	2.4000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1116	0.1116	0.0000	0.0000	0.1116
Total	**4.0000e-005**	**2.0000e-005**	**2.4000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1116**	**0.1116**	**0.0000**	**0.0000**	**0.1116**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5211	8.9829	4.2399	0.0363	2.3284	0.0132	2.3416	0.6270	0.0124	0.6394	0.0000	3,401.3450	3,401.3450	0.3510	0.0000	3,410.1189
Unmitigated	0.5211	8.9829	4.2399	0.0363	2.3284	0.0132	2.3416	0.6270	0.0124	0.6394	0.0000	3,401.3450	3,401.3450	0.3510	0.0000	3,410.1189

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	3,591.07	4,202.48	2122.68	6,081,591	6,081,591
Total	3,591.07	4,202.48	2,122.68	6,081,591	6,081,591

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.520477	0.028091	0.176473	0.089974	0.008253	0.003211	0.033872	0.130415	0.002306	0.001106	0.004464	0.000952	0.000405

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	0.0000	102.2236	102.2236	9.0200e-003	1.8700e-003	103.0049
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	102.2236	102.2236	9.0200e-003	1.8700e-003	103.0049
NaturalGas Mitigated	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0205	48.0205	9.2000e-004	8.8000e-004	48.3059
NaturalGas Unmitigated	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0205	48.0205	9.2000e-004	8.8000e-004	48.3059

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					
Regional Shopping Center	899870	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0205	48.0205	9.2000e-004	8.8000e-004	48.3059
Total		**4.8500e-003**	**0.0441**	**0.0371**	**2.6000e-004**		**3.3500e-003**	**3.3500e-003**		**3.3500e-003**	**3.3500e-003**	**0.0000**	**48.0205**	**48.0205**	**9.2000e-004**	**8.8000e-004**	**48.3059**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Regional Shopping Center	899870	4.8500e-003	0.0441	0.0371	2.6000e-004		3.3500e-003	3.3500e-003		3.3500e-003	3.3500e-003	0.0000	48.0205	48.0205	9.2000e-004	8.8000e-004	48.3059
Total		**4.8500e-003**	**0.0441**	**0.0371**	**2.6000e-004**		**3.3500e-003**	**3.3500e-003**		**3.3500e-003**	**3.3500e-003**	**0.0000**	**48.0205**	**48.0205**	**9.2000e-004**	**8.8000e-004**	**48.3059**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	685415	102.2236	9.0200e-003	1.8700e-003	103.0049
Total		**102.2236**	**9.0200e-003**	**1.8700e-003**	**103.0049**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	685415	102.2236	9.0200e-003	1.8700e-003	103.0049
Total		**102.2236**	**9.0200e-003**	**1.8700e-003**	**103.0049**

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	0.3870	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Unmitigated	0.3870	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-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	0.0585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3285					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.3870**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0585					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3285					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.0000e-005	1.0000e-005	7.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.5000e-003	1.5000e-003	0.0000	0.0000	1.6000e-003
Total	**0.3870**	**1.0000e-005**	**7.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.5000e-003**	**1.5000e-003**	**0.0000**	**0.0000**	**1.6000e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.9966	0.2036	4.9200e-003	15.5533
Unmitigated	8.9966	0.2036	4.9200e-003	15.5533

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	6.2295 / 3.81808	8.9966	0.2036	4.9200e-003	15.5533
Total		**8.9966**	**0.2036**	**4.9200e-003**	**15.5533**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	6.2295 / 3.81808	8.9966	0.2036	4.9200e-003	15.5533
Total		**8.9966**	**0.2036**	**4.9200e-003**	**15.5533**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	17.9241	1.0593	0.0000	44.4062
Unmitigated	17.9241	1.0593	0.0000	44.4062

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	88.3	17.9241	1.0593	0.0000	44.4062
Total		**17.9241**	**1.0593**	**0.0000**	**44.4062**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	88.3	17.9241	1.0593	0.0000	44.4062
Total		**17.9241**	**1.0593**	**0.0000**	**44.4062**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Fresno General Plan Update - Industrial

Fresno County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Light Industry	40.50	1000sqft	0.93	40,500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	45
Climate Zone	3			**Operational Year**	2035
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	**CH4 Intensity (lb/MWhr)**	0.029	**N2O Intensity (lb/MWhr)**	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - CO2 intensity based on 5-year average (PG&E 2015)

Land Use -

Table Name	Column Name	Default Value	New Value
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8

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					
2034	0.0270	0.1595	0.3135	6.9000e-004	8.0800e-003	2.7800e-003	0.0109	2.3600e-003	2.7800e-003	5.1400e-003	0.0000	59.8292	59.8292	2.5900e-003	0.0000	59.8939
2035	0.2921	0.0591	0.1270	2.8000e-004	2.9700e-003	9.0000e-004	3.8700e-003	8.0000e-004	9.0000e-004	1.7000e-003	0.0000	23.9040	23.9040	1.0100e-003	0.0000	23.9293
Maximum	**0.2921**	**0.1595**	**0.3135**	**6.9000e-004**	**8.0800e-003**	**2.7800e-003**	**0.0109**	**2.3600e-003**	**2.7800e-003**	**5.1400e-003**	**0.0000**	**59.8292**	**59.8292**	**2.5900e-003**	**0.0000**	**59.8939**

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					
2034	0.0270	0.1595	0.3135	6.9000e-004	8.0800e-003	2.7800e-003	0.0109	2.3600e-003	2.7800e-003	5.1400e-003	0.0000	59.8291	59.8291	2.5900e-003	0.0000	59.8939
2035	0.2921	0.0591	0.1270	2.8000e-004	2.9700e-003	9.0000e-004	3.8700e-003	8.0000e-004	9.0000e-004	1.7000e-003	0.0000	23.9040	23.9040	1.0100e-003	0.0000	23.9293
Maximum	**0.2921**	**0.1595**	**0.3135**	**6.9000e-004**	**8.0800e-003**	**2.7800e-003**	**0.0109**	**2.3600e-003**	**2.7800e-003**	**5.1400e-003**	**0.0000**	**59.8291**	**59.8291**	**2.5900e-003**	**0.0000**	**59.8939**

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-4-2034	12-3-2034	0.1412	0.1412
2	12-4-2034	3-3-2035	0.3939	0.3939
		Highest	0.3939	0.3939

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	0.1864	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.2000e-004	7.2000e-004	0.0000	0.0000	7.7000e-004
Energy	4.5600e-003	0.0414	0.0348	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	98.3797	98.3797	5.5600e-003	1.8000e-003	99.0549
Mobile	0.0391	0.6220	0.3809	3.3200e-003	0.2383	1.2700e-003	0.2396	0.0642	1.1900e-003	0.0654	0.0000	311.1709	311.1709	0.0230	0.0000	311.7454
Waste						0.0000	0.0000		0.0000	0.0000	10.1942	0.0000	10.1942	0.6025	0.0000	25.2557
Water						0.0000	0.0000		0.0000	0.0000	2.9713	7.5581	10.5294	0.3059	7.3400e-003	20.3640
Total	**0.2300**	**0.6634**	**0.4160**	**3.5700e-003**	**0.2383**	**4.4200e-003**	**0.2427**	**0.0642**	**4.3400e-003**	**0.0685**	**13.1655**	**417.1094**	**430.2749**	**0.9369**	**9.1400e-003**	**456.4207**

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	0.1864	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.2000e-004	7.2000e-004	0.0000	0.0000	7.7000e-004
Energy	4.5600e-003	0.0414	0.0348	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	98.3797	98.3797	5.5600e-003	1.8000e-003	99.0549
Mobile	0.0391	0.6220	0.3809	3.3200e-003	0.2383	1.2700e-003	0.2396	0.0642	1.1900e-003	0.0654	0.0000	311.1709	311.1709	0.0230	0.0000	311.7454
Waste						0.0000	0.0000		0.0000	0.0000	10.1942	0.0000	10.1942	0.6025	0.0000	25.2557
Water						0.0000	0.0000		0.0000	0.0000	2.9713	7.5581	10.5294	0.3059	7.3400e-003	20.3640
Total	**0.2300**	**0.6634**	**0.4160**	**3.5700e-003**	**0.2383**	**4.4200e-003**	**0.2427**	**0.0642**	**4.3400e-003**	**0.0685**	**13.1655**	**417.1094**	**430.2749**	**0.9369**	**9.1400e-003**	**456.4207**

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

3.0 Construction Detail

Construction Phase

Fresno General Plan Update - Industrial - Fresno County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/4/2034	9/15/2034	5	10	
2	Site Preparation	Site Preparation	9/16/2034	9/18/2034	5	1	
3	Grading	Grading	9/19/2034	9/20/2034	5	2	
4	Building Construction	Building Construction	9/21/2034	2/7/2035	5	100	
5	Paving	Paving	2/8/2035	2/14/2035	5	5	
6	Architectural Coating	Architectural Coating	2/15/2035	2/21/2035	5	5	

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: 60,750; Non-Residential Outdoor: 20,250; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Fresno General Plan Update - Industrial - Fresno County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Graders	1	8.00	187	0.41
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
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
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	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
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	17.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	3.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8100e-003	0.0184	0.0372	7.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	5.6973	5.6973	2.2000e-004	0.0000	5.7029
Total	**2.8100e-003**	**0.0184**	**0.0372**	**7.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**5.6973**	**5.6973**	**2.2000e-004**	**0.0000**	**5.7029**

3.2 Demolition - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	4.0000e-005	5.0000e-004	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.2264	0.2264	0.0000	0.0000	0.2265
Total	**8.0000e-005**	**4.0000e-005**	**5.0000e-004**	**0.0000**	**4.0000e-004**	**0.0000**	**4.0000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.2264**	**0.2264**	**0.0000**	**0.0000**	**0.2265**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.8100e-003	0.0184	0.0372	7.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	5.6973	5.6973	2.2000e-004	0.0000	5.7029
Total	**2.8100e-003**	**0.0184**	**0.0372**	**7.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**5.6973**	**5.6973**	**2.2000e-004**	**0.0000**	**5.7029**

3.2 Demolition - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	4.0000e-005	5.0000e-004	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.2264	0.2264	0.0000	0.0000	0.2265
Total	**8.0000e-005**	**4.0000e-005**	**5.0000e-004**	**0.0000**	**4.0000e-004**	**0.0000**	**4.0000e-004**	**1.1000e-004**	**0.0000**	**1.1000e-004**	**0.0000**	**0.2264**	**0.2264**	**0.0000**	**0.0000**	**0.2265**

3.3 Site Preparation - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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	2.3000e-004	9.8000e-004	1.9500e-003	1.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.5117	0.5117	2.0000e-005	0.0000	0.5122
Total	**2.3000e-004**	**9.8000e-004**	**1.9500e-003**	**1.0000e-005**	**2.7000e-004**	**3.0000e-005**	**3.0000e-004**	**3.0000e-005**	**3.0000e-005**	**6.0000e-005**	**0.0000**	**0.5117**	**0.5117**	**2.0000e-005**	**0.0000**	**0.5122**

3.3 Site Preparation - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0113	0.0113	0.0000	0.0000	0.0113
Total	**0.0000**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0113**	**0.0113**	**0.0000**	**0.0000**	**0.0113**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.3000e-004	9.8000e-004	1.9500e-003	1.0000e-005		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.5117	0.5117	2.0000e-005	0.0000	0.5122
Total	**2.3000e-004**	**9.8000e-004**	**1.9500e-003**	**1.0000e-005**	**2.7000e-004**	**3.0000e-005**	**3.0000e-004**	**3.0000e-005**	**3.0000e-005**	**6.0000e-005**	**0.0000**	**0.5117**	**0.5117**	**2.0000e-005**	**0.0000**	**0.5122**

3.3 Site Preparation - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	2.0000e-005	0.0000	2.0000e-005	0.0000	2.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0113	0.0113	0.0000	0.0000	0.0113
Total	**0.0000**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**1.0000e-005**	**0.0000**	**1.0000e-005**	**0.0000**	**0.0113**	**0.0113**	**0.0000**	**0.0000**	**0.0113**

3.4 Grading - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
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	5.6000e-004	3.6800e-003	7.4400e-003	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1395	1.1395	4.0000e-005	0.0000	1.1406
Total	**5.6000e-004**	**3.6800e-003**	**7.4400e-003**	**1.0000e-005**	**7.5000e-004**	**8.0000e-005**	**8.3000e-004**	**4.1000e-004**	**8.0000e-005**	**4.9000e-004**	**0.0000**	**1.1395**	**1.1395**	**4.0000e-005**	**0.0000**	**1.1406**

3.4 Grading - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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-005	1.0000e-005	1.0000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0453	0.0453	0.0000	0.0000	0.0453
Total	**2.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0453**	**0.0453**	**0.0000**	**0.0000**	**0.0453**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.6000e-004	3.6800e-003	7.4300e-003	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1395	1.1395	4.0000e-005	0.0000	1.1406
Total	**5.6000e-004**	**3.6800e-003**	**7.4300e-003**	**1.0000e-005**	**7.5000e-004**	**8.0000e-005**	**8.3000e-004**	**4.1000e-004**	**8.0000e-005**	**4.9000e-004**	**0.0000**	**1.1395**	**1.1395**	**4.0000e-005**	**0.0000**	**1.1406**

3.4 Grading - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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-005	1.0000e-005	1.0000e-004	0.0000	8.0000e-005	0.0000	8.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0453	0.0453	0.0000	0.0000	0.0453
Total	**2.0000e-005**	**1.0000e-005**	**1.0000e-004**	**0.0000**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0453**	**0.0453**	**0.0000**	**0.0000**	**0.0453**

3.5 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0220	0.1163	0.2577	5.0000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	43.2007	43.2007	1.7600e-003	0.0000	43.2448
Total	**0.0220**	**0.1163**	**0.2577**	**5.0000e-004**		**2.2300e-003**	**2.2300e-003**		**2.2300e-003**	**2.2300e-003**	**0.0000**	**43.2007**	**43.2007**	**1.7600e-003**	**0.0000**	**43.2448**

3.5 Building Construction - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2000e-004	0.0197	2.5500e-003	7.0000e-005	1.6700e-003	2.0000e-005	1.6900e-003	4.8000e-004	2.0000e-005	5.0000e-004	0.0000	6.2254	6.2254	5.1000e-004	0.0000	6.2381
Worker	9.6000e-004	4.4000e-004	6.0700e-003	3.0000e-005	4.8900e-003	2.0000e-005	4.9100e-003	1.3000e-003	1.0000e-005	1.3200e-003	0.0000	2.7715	2.7715	3.0000e-005	0.0000	2.7723
Total	**1.3800e-003**	**0.0201**	**8.6200e-003**	**1.0000e-004**	**6.5600e-003**	**4.0000e-005**	**6.6000e-003**	**1.7800e-003**	**3.0000e-005**	**1.8200e-003**	**0.0000**	**8.9969**	**8.9969**	**5.4000e-004**	**0.0000**	**9.0104**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0220	0.1163	0.2577	5.0000e-004		2.2300e-003	2.2300e-003		2.2300e-003	2.2300e-003	0.0000	43.2007	43.2007	1.7600e-003	0.0000	43.2447
Total	**0.0220**	**0.1163**	**0.2577**	**5.0000e-004**		**2.2300e-003**	**2.2300e-003**		**2.2300e-003**	**2.2300e-003**	**0.0000**	**43.2007**	**43.2007**	**1.7600e-003**	**0.0000**	**43.2447**

3.5 Building Construction - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2000e-004	0.0197	2.5500e-003	7.0000e-005	1.6700e-003	2.0000e-005	1.6900e-003	4.8000e-004	2.0000e-005	5.0000e-004	0.0000	6.2254	6.2254	5.1000e-004	0.0000	6.2381
Worker	9.6000e-004	4.4000e-004	6.0700e-003	3.0000e-005	4.8900e-003	2.0000e-005	4.9100e-003	1.3000e-003	1.0000e-005	1.3200e-003	0.0000	2.7715	2.7715	3.0000e-005	0.0000	2.7723
Total	**1.3800e-003**	**0.0201**	**8.6200e-003**	**1.0000e-004**	**6.5600e-003**	**4.0000e-005**	**6.6000e-003**	**1.7800e-003**	**3.0000e-005**	**1.8200e-003**	**0.0000**	**8.9969**	**8.9969**	**5.4000e-004**	**0.0000**	**9.0104**

3.5 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.0600e-003	0.0406	0.1001	2.0000e-004		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	16.8003	16.8003	6.5000e-004	0.0000	16.8165
Total	**8.0600e-003**	**0.0406**	**0.1001**	**2.0000e-004**		**5.9000e-004**	**5.9000e-004**		**5.9000e-004**	**5.9000e-004**	**0.0000**	**16.8003**	**16.8003**	**6.5000e-004**	**0.0000**	**16.8165**

3.5 Building Construction - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	7.6400e-003	9.9000e-004	3.0000e-005	6.5000e-004	1.0000e-005	6.6000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	2.4203	2.4203	2.0000e-004	0.0000	2.4252
Worker	3.5000e-004	1.6000e-004	2.2500e-003	1.0000e-005	1.9000e-003	1.0000e-005	1.9100e-003	5.1000e-004	1.0000e-005	5.1000e-004	0.0000	1.0625	1.0625	1.0000e-005	0.0000	1.0628
Total	**5.1000e-004**	**7.8000e-003**	**3.2400e-003**	**4.0000e-005**	**2.5500e-003**	**2.0000e-005**	**2.5700e-003**	**7.0000e-004**	**2.0000e-005**	**7.0000e-004**	**0.0000**	**3.4828**	**3.4828**	**2.1000e-004**	**0.0000**	**3.4880**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.0600e-003	0.0406	0.1001	2.0000e-004		5.9000e-004	5.9000e-004		5.9000e-004	5.9000e-004	0.0000	16.8003	16.8003	6.5000e-004	0.0000	16.8165
Total	**8.0600e-003**	**0.0406**	**0.1001**	**2.0000e-004**		**5.9000e-004**	**5.9000e-004**		**5.9000e-004**	**5.9000e-004**	**0.0000**	**16.8003**	**16.8003**	**6.5000e-004**	**0.0000**	**16.8165**

3.5 Building Construction - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.6000e-004	7.6400e-003	9.9000e-004	3.0000e-005	6.5000e-004	1.0000e-005	6.6000e-004	1.9000e-004	1.0000e-005	1.9000e-004	0.0000	2.4203	2.4203	2.0000e-004	0.0000	2.4252
Worker	3.5000e-004	1.6000e-004	2.2500e-003	1.0000e-005	1.9000e-003	1.0000e-005	1.9100e-003	5.1000e-004	1.0000e-005	5.1000e-004	0.0000	1.0625	1.0625	1.0000e-005	0.0000	1.0628
Total	**5.1000e-004**	**7.8000e-003**	**3.2400e-003**	**4.0000e-005**	**2.5500e-003**	**2.0000e-005**	**2.5700e-003**	**7.0000e-004**	**2.0000e-005**	**7.0000e-004**	**0.0000**	**3.4828**	**3.4828**	**2.1000e-004**	**0.0000**	**3.4880**

3.6 Paving - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6100e-003	8.6800e-003	0.0187	3.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	2.7483	2.7483	1.3000e-004	0.0000	2.7515
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6100e-003**	**8.6800e-003**	**0.0187**	**3.0000e-005**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**	**0.0000**	**2.7483**	**2.7483**	**1.3000e-004**	**0.0000**	**2.7515**

3.6 Paving - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	3.0000e-005	4.3000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2009	0.2009	0.0000	0.0000	0.2010
Total	**7.0000e-005**	**3.0000e-005**	**4.3000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2009**	**0.2009**	**0.0000**	**0.0000**	**0.2010**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6100e-003	8.6800e-003	0.0187	3.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	2.7483	2.7483	1.3000e-004	0.0000	2.7515
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.6100e-003**	**8.6800e-003**	**0.0187**	**3.0000e-005**		**2.7000e-004**	**2.7000e-004**		**2.7000e-004**	**2.7000e-004**	**0.0000**	**2.7483**	**2.7483**	**1.3000e-004**	**0.0000**	**2.7515**

3.6 Paving - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	3.0000e-005	4.3000e-004	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.2009	0.2009	0.0000	0.0000	0.2010
Total	**7.0000e-005**	**3.0000e-005**	**4.3000e-004**	**0.0000**	**3.6000e-004**	**0.0000**	**3.6000e-004**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**0.2009**	**0.2009**	**0.0000**	**0.0000**	**0.2010**

3.7 Architectural Coating - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2816					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6389
Total	**0.2819**	**1.8900e-003**	**4.4900e-003**	**1.0000e-005**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.6383**	**0.6383**	**2.0000e-005**	**0.0000**	**0.6389**

3.7 Architectural Coating - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0335	0.0335	0.0000	0.0000	0.0335
Total	**1.0000e-005**	**1.0000e-005**	**7.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0335**	**0.0335**	**0.0000**	**0.0000**	**0.0335**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.2816					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.9000e-004	1.8900e-003	4.4900e-003	1.0000e-005		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.6383	0.6383	2.0000e-005	0.0000	0.6389
Total	**0.2819**	**1.8900e-003**	**4.4900e-003**	**1.0000e-005**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**	**0.0000**	**0.6383**	**0.6383**	**2.0000e-005**	**0.0000**	**0.6389**

3.7 Architectural Coating - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	1.0000e-005	7.0000e-005	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0335	0.0335	0.0000	0.0000	0.0335
Total	**1.0000e-005**	**1.0000e-005**	**7.0000e-005**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0335**	**0.0335**	**0.0000**	**0.0000**	**0.0335**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0391	0.6220	0.3809	3.3200e-003	0.2383	1.2700e-003	0.2396	0.0642	1.1900e-003	0.0654	0.0000	311.1709	311.1709	0.0230	0.0000	311.7454
Unmitigated	0.0391	0.6220	0.3809	3.3200e-003	0.2383	1.2700e-003	0.2396	0.0642	1.1900e-003	0.0654	0.0000	311.1709	311.1709	0.0230	0.0000	311.7454

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Light Industry	282.29	53.46	27.54	622,450	622,450
Total	282.29	53.46	27.54	622,450	622,450

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Light Industry	9.50	7.30	7.30	59.00	28.00	13.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Light Industry	0.520477	0.028091	0.176473	0.089974	0.008253	0.003211	0.033872	0.130415	0.002306	0.001106	0.004464	0.000952	0.000405

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	0.0000	53.2747	53.2747	4.7000e-003	9.7000e-004	53.6819
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	53.2747	53.2747	4.7000e-003	9.7000e-004	53.6819
NaturalGas Mitigated	4.5600e-003	0.0414	0.0348	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.1050	45.1050	8.6000e-004	8.3000e-004	45.3730
NaturalGas Unmitigated	4.5600e-003	0.0414	0.0348	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.1050	45.1050	8.6000e-004	8.3000e-004	45.3730

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	845235	4.5600e-003	0.0414	0.0348	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.1050	45.1050	8.6000e-004	8.3000e-004	45.3730
Total		**4.5600e-003**	**0.0414**	**0.0348**	**2.5000e-004**		**3.1500e-003**	**3.1500e-003**		**3.1500e-003**	**3.1500e-003**	**0.0000**	**45.1050**	**45.1050**	**8.6000e-004**	**8.3000e-004**	**45.3730**

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
General Light Industry	845235	4.5600e-003	0.0414	0.0348	2.5000e-004		3.1500e-003	3.1500e-003		3.1500e-003	3.1500e-003	0.0000	45.1050	45.1050	8.6000e-004	8.3000e-004	45.3730
Total		**4.5600e-003**	**0.0414**	**0.0348**	**2.5000e-004**		**3.1500e-003**	**3.1500e-003**		**3.1500e-003**	**3.1500e-003**	**0.0000**	**45.1050**	**45.1050**	**8.6000e-004**	**8.3000e-004**	**45.3730**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	357210	53.2747	4.7000e-003	9.7000e-004	53.6819
Total		**53.2747**	**4.7000e-003**	**9.7000e-004**	**53.6819**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Light Industry	357210	53.2747	4.7000e-003	9.7000e-004	53.6819
Total		**53.2747**	**4.7000e-003**	**9.7000e-004**	**53.6819**

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	0.1864	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.2000e-004	7.2000e-004	0.0000	0.0000	7.7000e-004
Unmitigated	0.1864	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.2000e-004	7.2000e-004	0.0000	0.0000	7.7000e-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	tons/yr										MT/yr					
Architectural Coating	0.0282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1582					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.2000e-004	7.2000e-004	0.0000	0.0000	7.7000e-004
Total	**0.1864**	**0.0000**	**3.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.2000e-004**	**7.2000e-004**	**0.0000**	**0.0000**	**7.7000e-004**

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	0.0282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1582					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	3.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.2000e-004	7.2000e-004	0.0000	0.0000	7.7000e-004
Total	**0.1864**	**0.0000**	**3.7000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**7.2000e-004**	**7.2000e-004**	**0.0000**	**0.0000**	**7.7000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.5294	0.3059	7.3400e-003	20.3640
Unmitigated	10.5294	0.3059	7.3400e-003	20.3640

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	9.36562 / 0	10.5294	0.3059	7.3400e-003	20.3640
Total		**10.5294**	**0.3059**	**7.3400e-003**	**20.3640**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Light Industry	9.36562 / 0	10.5294	0.3059	7.3400e-003	20.3640
Total		**10.5294**	**0.3059**	**7.3400e-003**	**20.3640**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	10.1942	0.6025	0.0000	25.2557
Unmitigated	10.1942	0.6025	0.0000	25.2557

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	50.22	10.1942	0.6025	0.0000	25.2557
Total		**10.1942**	**0.6025**	**0.0000**	**25.2557**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Light Industry	50.22	10.1942	0.6025	0.0000	25.2557
Total		**10.1942**	**0.6025**	**0.0000**	**25.2557**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

ODOR COMPLAINT HISTORY

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
Valentine/Belmont	1/7/2015	C-1501-054	Fumes from paint booth.
Jensen/Elm	1/26/2015	C-1501-231	Horrible smell in the air. Believes it's from a nearby rendering plant.
Floradora Avenue/Dearing Avenue	2/2/2015	C-1502-014	Paint fumes.
Hair Club	2/11/2015	C-1502-075	Fumes from Hair Club salon hair processing treatments vents out into the air.
Baker Commodities	4/6/2015	C-1504-026	Foul smell from Baker Commodities.
Cecilia Cerda/Julian's Furniture	5/8/2015	C-1505-011	Strong paint fumes and dust everywhere from a white building with broken window with glass door who is making furniture and painting. Strong fumes when furniture is set outside to dry.
Locan/Butler	5/17/2015	C-1505-029	Need to find out if surrounding neighbors need to inform their neighbors if they are spraying chemicals. There is a very strong odor of chemicals in the air. I have animals and kids.
Eden/Southwest	6/5/2015	C-1506-011	Odor complaint - smells like animal waste
Belmont/Valentine	7/6/2015	C-1507-008	Fumes from overspray of vehicles painted.
All Cars Auto Body	7/6/2015	C-1507-009	Fumes from overspray of vehicles painted.
North Avenue/Fig Avenue	7/20/2015	C-1507-031	Bad odor coming from the Cargill West plant at North and MLK. Smell was bad last week and is even worse this week. Mostly notice the odors at night, but now sometimes during the day too. Odors are the worst from about 10 or 11 PM until about 4 or 5 AM. Swamp cooler blows the odors right into my house and wakes me up at night.
Bullard/Marks	8/11/2015	C-1508-017	Smell in area like chicken feathers burning.
1990 E. Gettysburg Avenue	8/23/2015	C-1508-035	Protection of Public Health - The District shall continue to strive to protect the

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
			health of Valley residents through efforts to meet health-based state and federal ambient air-quality standards, based on science and prioritized where possible using health-risk reduction strategies. u stink blaming others and do not go to complaints in so called bad areas.
Blackstone/McKinley/Olive	8/25/2015	C-1508-046	Smoke smells like diesel even though the business is a BBQ place.
South of McKinley	9/2/2015	C-1509-007	Barbeque smells like something other than food is being cooked.
Maroa/2 blocks north of Sheilds	9/3/2015	C-1509-009	Person burning or cooking something that smells really awful. Can hear popping, snapping noise for 45 min. Had been occurring on patio but now "cooks" inside in the mornings and late at night 11 p.m. - 1:30 a.m.
Jensen/Cedar	9/28/2015	C-1509-097	Strong odor within the area of the elementary school. Unsure to what odor is or where it's coming from.
McKinley Avenue/Hayes Avenue	9/28/2019	C-1509-103	For several days, strong odor in area that smells kind of like diesel fumes or burnt fuel of some type.
Nielsen Avenue/ Whitesbridge Avenue	10/1/2015	C-1510-003	Caller states there is a strong sulfur smell coming from the west. Since it's near a school people are concerned.
Olive/Clovis	10/5/2015	C-1510-024	Per RP: The winery near his home is polluting the air. RP has problems breathing and it's worse in the evening when the plant is running. Usually occurs after 10 p.m.
Highway 180/Marks Avenue	10/8/2019	C-1510-033	Strong odor from outside is seeping into their business building. Smells like dead fish.
OCS Clovis Avenue/Olive	10/9/2015	C-1510-038	The air around this area today is actually toxic. I walked in to my office and

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
			was sent to the bathroom gagging. It's hard to breath and actually hurts the nose and throat. This has been going on for a while, but today is worse.
Cedar	10/12/2015	C-1510-044	Per RP, there is a smell similar to rotten garbage near the school grounds. RP is not sure where exactly the odor is coming from. The children are complaining about the smell. RP would like to know the outcome of their last complaint.
Fresno/Sierra	10/12/2015	C-1510-045	Fine Line Customs is painting complete vehicle jobs outside without a paint booth.
Cedar/Rowell	10/13/2015	C-1510-047	RP smells a really bad trash smell in the area of Calwa Elementary School. RP also reported that all the school kids are also complaining about the smell.
Cedar/Jensen	10/14/2015	C-1510-053	Foul smell - like manure, rotten and stinky; coming from area around big aluminum silo, south of Calwa Elementary School. Occurring for the past week. Yesterday morning the smell was especially bad and there with a plume of dusty brown particles from that operation.
East Jensen Avenue/South Cedar Avenue	10/20/2015	C-1510-068	RP states that there is bad air quality in the area of Calwa Elementary School.
Jensen/Maple	10/21/2015	C-1510-077	Caller says a horrible smell fills the air every night. Usually starts in the evening and lasts up to 3 p.m. the following, only to begin again that evening. The smell resembles burning rubber.
4477 South Chestnut Ave	10/22/2015	C-1510-079	Per the Caller: An odor was observed from a 330 gallon tote containing Chorine

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
			Dioxide. It is unknown at this time if the tote is leaking. (Message copied from original Spill Report received via email.) Misa
6756 N Woodson	11/27/2015	C-1511-090	My neighbor has this huge smoky stove going. It smells like gas or propane or something. It stinks. There have been complaints before from the neighbors regarding on this property. It looks like there is fog in our backyard.
Fresno St/Dakota Ave	12/21/2015	C-1512-102	Burning garbage or other substance other than wood in the fireplace at this residence.
Church/Brawley	1/25/2016	C-1601-081	Tenants are dumping manure/fertilizer on the property. Per RP, the smell is strong and she has young children. Per RP, she has a headache because of the smell.
4th Street And Escalon Ave	2/24/2016	C-1602-084	Odor - smells like chemicals.
Chestnut/Central	3/3/2016	C-1603-010	Pouring chemicals into the sewer drain near home and causing a really bad smell of bleach and acid.
Bullard/Barstow	3/21/2016	C-1603-048	RP states there is a bad smell, like sewage.
North / Central Ave/Temperance	3/21/2016	C-1603-049	Sprayed Paraquat (weed killer), bad smell and its really strong making RP's nose and eyes burn.
E Ashlan/E Shaw/N Del Rey	4/6/2016	C-1604-013	Strong odor in the area - smell like fertilizer.
Shaw And Mccall (& Academy)	4/7/2016	C-1604-016	RP says there is an almond orchard that had manure piled for 2 - 3 weeks. It was recently dispersed, concerned if there is pesticides being dispersed along with manure.
6615 N. Blackstone (Al's Automotive)	4/11/2016	C-1604-023	Painting without a paint booth.
Rice Road Transfer Station - 10463 N. Rice Road	4/11/2016	C-1604-024	Bad smell coming from facility.

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
Tulare St/Van Ness St	4/19/2016	C-1604-036	Construction on road causing odor and dust.
2216 N. Pleasant	4/20/2016	C-1604-038	Painting vehicles with a spray gun, which is creating odor/fumes.
Bullard Ave/Marty Ave	4/22/2016	C-1604-053	Chemical smell.
Clinton Ave/Highway 99	4/27/2016	C-1604-065	Paint fumes from spray painting of autos at this location.
Church Ave/Fruit Ave	5/13/2016	C-1605-015	Foul smell in the air near Darling Ingredients & Foster Farms.
Grantland/Mckinley	5/20/2016	C-1605-028	Truck comes and dumps fertilizer at the business, really bad smell in the area.
Clovis/Dakota	6/27/2016	C-1606-065	Ponding basin was drained last Tuesday and it smells horrible. Complainant says they can't go outside to work on yard or enjoy the pool because of the stink in the air.
E California Ave/E Butler Ave	6/29/2016	C-1606-073	RP states there is a bad odor due to crops rotting.
Kearney/West	7/6/2016	C-1607-007	Strong smell of pigs (methane gas).
West Ave/Myers Ave	7/13/2016	C-1607-022	Bad odor within the area.
Vulcan Materials	8/14/2016	C-1608-034	A smell that is so bad that we have to shut our windows and turn off our evaporated cooler. It usually occurs at nights. Smells like asphalt being cooked. Sometimes it will go on for weeks, like lately. Then others times don't smell it for a month or so. The air feel unbreathable that you take shallow breaths and try not to breathe through your nose. Some nights are worse than others. This isn't a new occurrence. Been happening well over a year
Ponderosa Paint	8/22/2016	C-1608-058	Releasing vapor in the area.
Church Ave/Willow Ave	8/29/2016	C-1608-073	Generator causing smell.
Ponderosa Paint	8/30/2016	C-1608-075	Paint company releasing chemical smell.
Willow Ave/Church Ave	9/1/2016	C-1609-001	Compressor generator causing smell.

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
4600 E. Inyo	9/1/2016	C-1609-004	Gas smell coming from residence in blue house. Person works on cars under the patio of the house. The gas smell lingers all day long, began today at 10 a.m. and smell is still in the air.
Church Ave/Willow Ave	9/6/2016	C-1609-013	Exhaust fumes from compressor generator installed by AT&T still occurring. The unit has not be removed as promised.
Alluvial Ave/Chestnut Ave	9/29/2016	C-1609-118	Smells like toxic chemical, bug spray, diesel fumes -- from excavation of dirt for development.
Valley Protein	10/27/2016	C-1610-073	Strong foul odor coming from business that deals with cadavers.
Kings Canyon/Fowler	10/31/2016	C-1610-077	Resident is painting vehicle with sprayer in driveway.
Jensen Ave/Elm Ave	11/13/2016	C-1611-043	Strong odor in the area this morning, possibly from the rendering plant. Smells like a cooking oil or dead animal odor.
Ocs Unknown	12/29/2016	C-1612-157	I smell a strong astringent odor everyday as I drive along the 99 in Southern Fresno. It smells like nail polish remover. I am worried it will have negative impact on the health of those living, working, and commuting around that area.
Dakota/Milburn	1/10/2017	C-1701-013	Odor does not smell like its coming from a fireplace, smells like they're burning foreign materials like plastic or chemicals. Thinks it could be coming from a factory due to the frequency of the odor and the large amount of ground it covers. Tends to bed more pungent when the wind is not present. noticed it 7:45 a.m. this morning and says it is still pungent at this moment

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
Marie Pickett	1/14/2017	C-1701-040	Neighbor to the back is burning in the fireplace and the smoke smells bad, like trash is being burned.
Cas	2/3/2017	C-1702-009	Strong paint smell possibly coming from a nearby used car lot.
Herndon/Blythe	2/13/2017	C-1702-030	Generator going at 2:30 - 4:30 a.m. every other Monday. Really bad diesel fumes in the air.
E Griffith Way/N Clark St	2/14/2017	C-1702-032	Smells like something is on fire/burning.
Sunset West Community	3/15/2017	C-1703-038	RP says they are revving up their vehicle every morning about 6 a.m. and the exhaust is filling the air.
Unknown	3/21/2017	C-1703-061	For the past couple days now there has been a horrible smell in the area. I first noticed it coming into my car the other day as I pulled up to shields and temperance. It smells so awful that I need to close the windows, stop the A/C, and still breathe lightly. This smell lingers in the neighborhood, going outside or even opening the windows is so unpleasant that I avoid doing it at all costs. With the temperatures rising leaving the windows even at night and early mornings makes it hard for heat to dissipate yet I do not want to have such a smell in my house.
Shaw/Maple	5/4/2017	C-1705-014	Strong smell of fumes.
1st And Herndon	5/17/2017	C-1705-043	Burnt grease smell.
Cargill	5/19/2017	C-1705-049	Cargill meat has been releasing a noxious odor into the air for the last 2 or so week, ongoing right now.
Maple Ave/E Alamos Ave	5/19/2017	C-1705-050	Caller smelling noxious odor; smell tends to come and go but when it's strong it burns her eyes nose and throat, been ongoing the last 5 months.

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
Nations Roof	6/2/2017	C-1706-008	Plastic smell coming from roofing company.
Patrick W. Geiger	6/6/2017	C-1706-014	Strong smell of paint coming from Leap Truck Painting (diesel truck painting company).
Maple/Shaw	6/13/2017	C-1706-039	Strong smell of fumes.
Vance	8/25/2017	C-1708-059	Paint shop going on in residence, no filters, possibly doing dealer work. There are sanded cars in driveway.
3115 South Fig Ave	9/18/2017	C-1709-040	Mechanical malfunction on a valve caused the release of anhydrous ammonia.
Dearing/Floradora	9/18/2017	C-1709-037	Smell of paint fumes.
Kearney/California	10/2/2017	C-1710-008	Caller stated that there may be a gas leak, odors of sewage are entering the home. Work was done last week on the pipes.
Carlos Felix	10/23/2017	C-1710-083	Dumping waste on land.
Orange/Golden State	11/13/2017	C-1711-032	Foul chemical odor in the area at least a couple times a week.
Winery/Olive	11/15/2017	C-1711-039	Odor smell and smoky air outside. Only at night for the past two nights. Smell is not wood smoke but it is burn odor. Does not believe it is coming from a fireplace.
N Clovis & E Clinton Ave	11/21/2017	C-1711-055	Cal Fire called to report Carbon monoxide entering into home and on scene.
Jensen/Elm	11/24/2017	C-1711-066	There is a foul stench in the air. I don't know if it is coming from a rendering plant.
Glacier Point Middle School	12/2/2017	C-1712-016	Central Unified School District employees are working on the lawn mowing and using diesel equipment next to where students are playing soccer and the diesel or gas fumes are going over towards the playing area. PR wants to know if something could be done to stop the gas fumes

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
			from coming over to the playing fields.
Cornelia/Lincoln 14dec2017 Odor	12/14/2017	C-1712-140	Dairy, Turkey and Chicken Farms in the area, a smell is in the air all day but stronger in the morning and in the evenings, going on for about 3 weeks.
Ocs Central/American	1/24/2018	C-1801-156	Odor for the last 2 weeks, this odor is coming in through our vents and causing headaches for staff.
Mauricio Martinez	1/25/2018	C-1801-160	Spray paint and fumes in the air.
1231 N Maple	1/31/2018	C-1801-195	Painting vehicles without a paint booth, painting is done inside and outside of building.
2286 South Ivy Ave	2/9/2018	C-1802-055	CAL OES #18-0917 Suspected toxic odor.
5736 E. Orange Ave.	2/12/2018	C-1802-076	Very bad smell in the air, plastic odor.
Clovis Ave/Olive Ave	2/15/2018	C-1802-088	Nauseating smell like raw sewage occurred the past few evenings.
Belmont/Sunnsyside	2/15/2018	C-1802-094	There is a sewage smell in the air. I was asked by an Inspector to call when the odor returned, and now it is back.
Ocs Olive/Clovis	2/22/2018	C-1802-122	The air around this factory all the way to Belmont and Willow smells like feces. It gets really bad after the sun sets. The odor gets into the houses. It's going on a couple of weeks now. This hasn't happened in the 3 years I have lived in the area until now.
E&J Gallo Winery	2/23/2018	C-1802-125	Odor is coming from EJ Gallo Winery. Smell of sulfur, egg and manure. Can smell odor from 7pm-9am; has been going on for about week.
E&J Gallo Winery	3/8/2018	C-1803-014	Air pollution - smells bad daily typically after 6 p.m.
Clovis/Olive	3/20/2018	C-1803-033	Odor- sulfur, rotten egg smell.

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
Maple/Mckinley	3/27/2018	C-1803-043	Heavy smell of auto body paint.
Clovis/Olive	3/28/2018	C-1803-046	Rotten egg smell coming from facility
Freeway 41/Clovis Ave.	4/7/2018	C-1804-017	Strong diesel odor between 41 and Clovis Avenue.
Other	4/11/2018	N-1804-041	A strong rotting odor has been all over the Pacific and Magnolia neighborhoods in Stockton for the last few days
Dakota/Hayes	5/7/2018	C-1805-019	For the last week or two there has been a very, very strong manure smell near my house. I don't know where it is coming from, but want to know if it's safe to let my kids play outside.
W Garland/N Teilman	5/30/2018	C-1805-076	Strong smell of burning plastic around the neighbor. Cannot identify where it is coming from
Fresno/Olive	7/30/2018	C-1807-046	Odor in air, chemical bleach smell.
4744 E. Carmen	7/31/2018	C-1807-047	Strong odor, no paint booth permit.
H1 Customs	8/10/2018	C-1808-019	Auto body doing painting without a paint booth. Vehicles are being (prepped) sanded outside.

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
Woodward Park And Central Fresno	9/23/2018	C-1809-049	As of late evening, Friday September 21, I have been sensitive to a strong smell that seems to be in Woodward Park and Central Fresno. And I have other friends who have noticed it as well. We also have symptoms of sneezing and runny noses. The smell is familiar to me that occurs mostly at the end of January-February from the fruitless pear trees. I'm just curious as there are hundreds of those particular trees throughout the Northern part of Fresno. Could you identify what it is for us as it would benefit our health to know and help guide us to what to avoid.
Blythe/Belmont And Olive	9/26/2018	C-1809-056	Neighbors are complaining about truckloads of rotten vegetables being dumped in the yard to feed the animals.
El Capitan/Brawley	9/26/2018	C-1809-057	Complaints of a really horrible smell coming from the yard due to rotten vegetables being dumped.
Audubon Ave/Lexingston Ave	10/5/2018	C-1810-015	Hazardous waste being dumped into trash.
G.M. Auto Paint Supplies	10/11/2018	C-1810-033	Used to be a bar; now cars are being sprayed out in the open. RP mentioned they usually spray every day around this same time.
Willow/Behymer	10/13/2018	C-1810-046	The fields at the corner of Willow/Behymer (NE corner) are sprayed or fertilized with something that smells terrible!
P-R Farms	10/14/2018	C-1810-036	Strong odor occurring now. Began Friday evening. Most strong in the late evening/early morning. Smells like a

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
			manure/fertilizer mix. Can't go outside, can't open windows. Permeated fabric in cars. I've talked with other residents, the smell is as far west as Shepherd/Perrin and as far south as Nees/Willow. What is it?
P-R Farms	10/15/2018	C-1810-038	For several days there has been a very pungent odor at my address. Smells like ammonia, manure, or a dead animal. This smell is throughout the neighborhood.
Maple/Shepherd	10/15/2018	C-1810-040	Foul smell coming from PR Farms. The location of the farm is on Shepherd and Willow.
P-R Farms	10/15/2018	C-1810-048	Noxious smell that burns the eyes nose and lungs. Occurring the past two days October 11 and October 12. Starts coming around 8 pm and continues until the morning hours.
Willow/Shepherd	10/15/2018	C-1810-044	Bad smell in area.
P-R Farms	10/15/2018	C-1810-058	Disgusting manure smell coming from orchards across from our house on Willow.
1860 E. Decatur Ave	10/16/2018	C-1810-068	Chemical smell in the air in this neighborhood.
P-R Farms	10/16/2018	C-1810-063	Noticed strong smell, like pesticide, early Saturday morning October 13, also last night, and this morning smell was still noticeable near Mountain View Elementary School.
Sheppard/Willow	10/16/2018	C-1810-061	Manure complaint; believes it is the orchard behind her
Willow And Perrin Area	10/16/2018	C-1810-066	There's been manure smell in the air for past few days.
Ne Corner Of Willow And Shepherd	10/16/2018	C-1810-066	Bad odor from agricultural fertilizing.

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
Chestnut	10/16/2018	C-1810-067	Chemical smell in the air - dissipates during the day but stronger in the mornings and evenings. Was really bad on Sunday.
P-R Farms	10/16/2018	C-1810-069	RP complaining of raw sewage or pasteurized smell. RP & neighbors think it's coming from Wawona Farms area. Smell is stronger at night and the smell lingers to the morning, thinks they are fertilizing at night. RP cannot open windows or door to house since the smell is so horrific. RP deems it unsanitary. RP's friend lives on Minnewawa & Nees and he can smell the pungent odor as well.
Cedar And Nees Area	10/17/2018	C-1810-077	Pungent sharp odor from PR Farms traveling to location given. The smell is coming from Shepherd and Minnewawa.
Shepard/Chestnut	10/17/2018	C-1810-081	RP claims unbearable sewage smell. Thinks it's from the new construction site. RP & neighbors can't open windows at night since the smell is so bad. RP doesn't know where the smell is coming from, but there is construction going on down Willow & Shepard. Joggers are wearing masks early in the morning. RP experiencing headaches for 2 days. RP doesn't feel like it's safe for kids to play outside since the smell is so bad.
P-R Farms	10/18/2019	C-1810-087	We left on a trip the morning of Thursday, October 11th. When we returned on the evening of Saturday October 13th, the entire neighborhood was smelling like raw sewage. The smell permeates our

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
			garage and we cannot open our doors or windows without it getting inside. We're still using air filters and air conditioning even though the weather outside is fantastic. Smell is worst after sunset through when we leave to work in the morning, possibly longer than that.
P-R Farms	10/19/2018	C-1810-090	Bad smell in the air - like dead body.
Shepherd/Minnewawa	10/19/2018	C-1810-091	Complaint of foul/toxic smells in the air due fertilizer being used.
Willow And Behymer	10/19/2018	C-1810-092	Chemical smell in the area, has been on-going for several days.
Sheppard/Willow	10/19/2018	C-1810-093	Manure complaint; concerned because ABC 30 told her there was human waste in it.
Shepherd And Peach Area	10/19/2018	C-1810-094	Chemical smell has been in the air for a few days now.
Shepherd & Willow	10/19/2018	C-1810-095	Complaints of human toxic waste smell from the almond orchard.
P-R	10/19/2018	C-1810-096	Toxic fertilizer smell due to human waste being used.
Willow/Beheymer	10/19/2018	C-1810-099	Reports of a horrendous smell in the air.
Shepherd/Willow	10/19/2018	C-1810-100	Reporting a foul toxic smell in the air.
P-R Farms	10/19/2018	C-1810-101	Nauseating manure smell in North Fresno.
P-R Farms	10/20/2018	C-1810-107	Strong smell from orchards lasting for days, irritating allergies.
P-R Farms	10/20/2018	C-1810-108	The smell of manure is disgusting. I've lived in the Central Valley all of my life. This is different. It is a different kind of pungent. It occurs at dusk, all through the night into the morning. We cannot even open our windows. First the mosquitoes now poop! Not. Good. Please address this!

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
Shepherd/Willow	10/21/2018	C-1810-120	Disgusting smell that occurs in the early evening around Shepherd and Willow area.
P-R Farms	10/21/2018	C-1810-114	Strong foul disgusting smell coming from the NE corner of Willow, This has become the worst smell that I have been around since living in this area the past 10 years. Someone from your office needs to pay this farmer a visit and have him plow this shit into the ground and try other options to keep his crop. If you believe this is not an issue come on out here around 9 p.m. and take a big whiff of this foul air.
P-R Farms	10/21/2018	C-1810-115	This odor started on 10/19 and continued till yesterday. The smell is so bad I felt sick. I understand it's the fertilizer on almond farm on Shepherd and Minnewawa, but it is unbearable. I lived in this area since 1999 and it has never been so bad. Closing the windows won't do the job and leave the whole house smelling like waste until the next day. Please, please do something about it. This new human waste fertilizer they are using is really affecting the area.
Chestnut And Nees	10/22/2018	C-1810-118	Chemical smell in the air been for couple of weeks, tingling and coughing.
Willow/Behymer	10/22/2018	C-1810-119	Burning of eyes and breathing problems due to the "fertilizer".
Minnewawa/Shepherd	10/22/2018	C-1810-121	Horrendous smell.
P-R Farms	10/22/2018	C-1810-122	Smelling an unbearable scent in the morning and evening hours.
P-R Farms	10/23/2018	C-1810-126	Manure smell.
345 E. Vassar	10/25/2018	C-1810-140	Chemical smell in the air, has been on-going for several days.

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
P-R Farms	10/29/2018	C-1810-145	Very bad, awful, noxious, and heavy smell in the north east Fresno area that I believe is emanating from P-R farms on Chestnut and Shepherd.
Chestnut/Copper	11/2/2018	C-1811-005	Foul fertilizer smell.
Peach/Minnewawa	11/6/2018	C-1811-016	Foul smell of fertilizer which is causing health issues.
Ocs Shepherd/Willow	11/7/2018	C-1811-019	I wrote in several weeks ago (C-1810-111) to talk about the strong odors coming from PR Farms on Shepherd. Someone called back and nicely explained that the Air Pollution Control Board didn't feel it was detrimental to our health. I usually have barely noticeable asthma, but for the last month, it has been extreme. I still have it. I think you should re-evaluate. This asthma and the horrible order should be addressed. From hearing the reports of all the people that are having breathing problems, and from the fact that the odor gets in your house as well as being outdoors, I find it hard to believe that this is somehow OK for your health. I think you should re- evaluate because this cannot possibly be ok for our lungs. You need to hear all the people and how it affects them, rather than just say it is ok. It is obviously not ok.
P-R Farms	11/7/2018	C-1811-020	Toxic smell.
7166 N. Fruit Ave. Apt 163 93711	12/19/2018	C-1812-109	Coating in apartment complex.
Clovis/Olive	12/20/2018	C-1812-112	Awful smell coming from facility, can be smelled several blocks away.
Ocs Spruce/Herndon/Ca	2/20/2018	C-1902-035	Very strong smell like rotten eggs in the morning. Smells like a sewer back up.

Odor Complaints in City of Fresno Planning Area 2015-2019

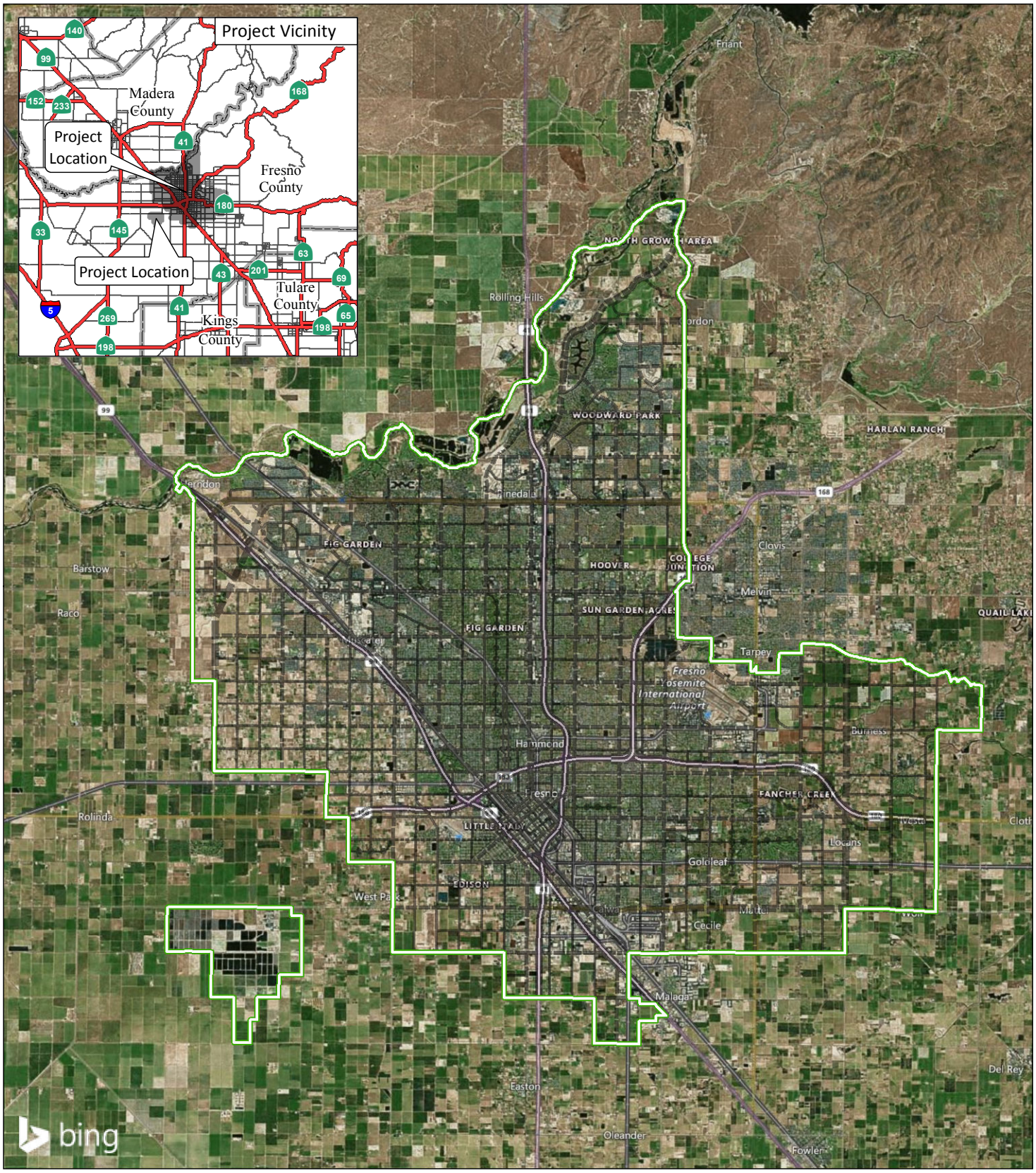
Location	Date	Complaint Number	Findings
Chestnut Ave/Copper Ave	3/16/2019	C-1903-033	RP reported strong smoke smell in her home and neighborhood. Smoke can be seen from her second story view.
Inyo/F Street	3/21/2019	C-1903-046	Mechanics shop painting cars - air smells pretty bad.
BHJ USA Inc	3/26/2019	C-1903-051	Bad odor coming from the pet food processing plant.
North/Valentine	4/1/2019	C-1904-002	Smell of chemicals from crop duster.
Yale/Grantland	4/2/2019	C-1904-011	Cabinet shop is being ran out of the back shop. The fumes from the paint they use for the cabinets, spread all over the neighborhood and is making people sick.
Belmont And North Ferger	4/23/2019	C-1904-052	Complaints of fumes coming from the auto body shops.
Not Provided	4/26/2019	C-1904-068	Noise and odor coming from landscaping equipment.
Dakota/9th	5/22/2019	C-1905-059	Halcyon Apartments, apartment 109 Apartment maintenance spraying adhesive and fumes are spreading throughout the adjoining apartments. Has a strong chemical smell that is permeating into other apartments. Workers stated that spraying will be worse tomorrow.
Haze/Mckinley	5/31/2019	C-1905-078	Foul odor.
Ashlan/Chestnut	6/5/2019	C-1906-007	Funny smelling odor (Dead Animal) possibly in the master bedroom, bathroom. It's now in the other bathroom which is on the other side of the house. They're unable to turn on the air due to the smell.
Glen Agnes	7/3/2019	C-1907-007	Chemical smell.
Olive Ave/First Ave	7/15/2019	C-1907-034	Horrible smell, like rotten meat coming from A C Mart & Deli trash bin in the alley.
Angel Agundez (Tenant)	7/24/2019	C-1907-054	Complaints of a paint shop in the back of the house. Cars are being brought in on a regular basis to paint.

Odor Complaints in City of Fresno Planning Area 2015-2019

Location	Date	Complaint Number	Findings
E. Reverend Chester Riggins Ave/S.	7/30/2019	C-1907-068	Painting a vehicle.
OCS Shields and Blackstone	8/8/2019	C-1908-015	The Nail Salon (name uncertain) located in the south-east section of the Manchester Mall. There is a VERY strong chemical odor (acetone or other solvent) emanating from this establishment on a daily basis. Often the odor is so strong, it can be detected the moment one enters the mall, and has caused dizziness and headaches to some in our walking group. I have been walking the mall twice daily at 10:00 a.m. and 15:00 p.m. for roughly two months and the odor has been there at least since May 2019.
OCS Fruit/Clinton	8/12/2019	C-1908-023	Excessive animal feces smell.
206 E. Cortland Avenue 93704	8/13/2019	C-1908-025	Complaints of the smell of lighter fluid and fumes due to continuous BBQing.
Shaw/Palm	8/14/2019	C-1908-029	The Habit Restaurant in Fig Garden. Heavy odor of grease and residue in the air, causing surrounding vehicles and buildings to be covered in residue.

Source: SJVAPCD (September 2019), compiled by LSA (September 2019).

HEALTH RISK CONTOURS



LSA

LEGEND

Planning Area

FIGURE 1

0 1.5 3

Miles

SOURCE: Bing (2003); City of Fresno (9/2019)

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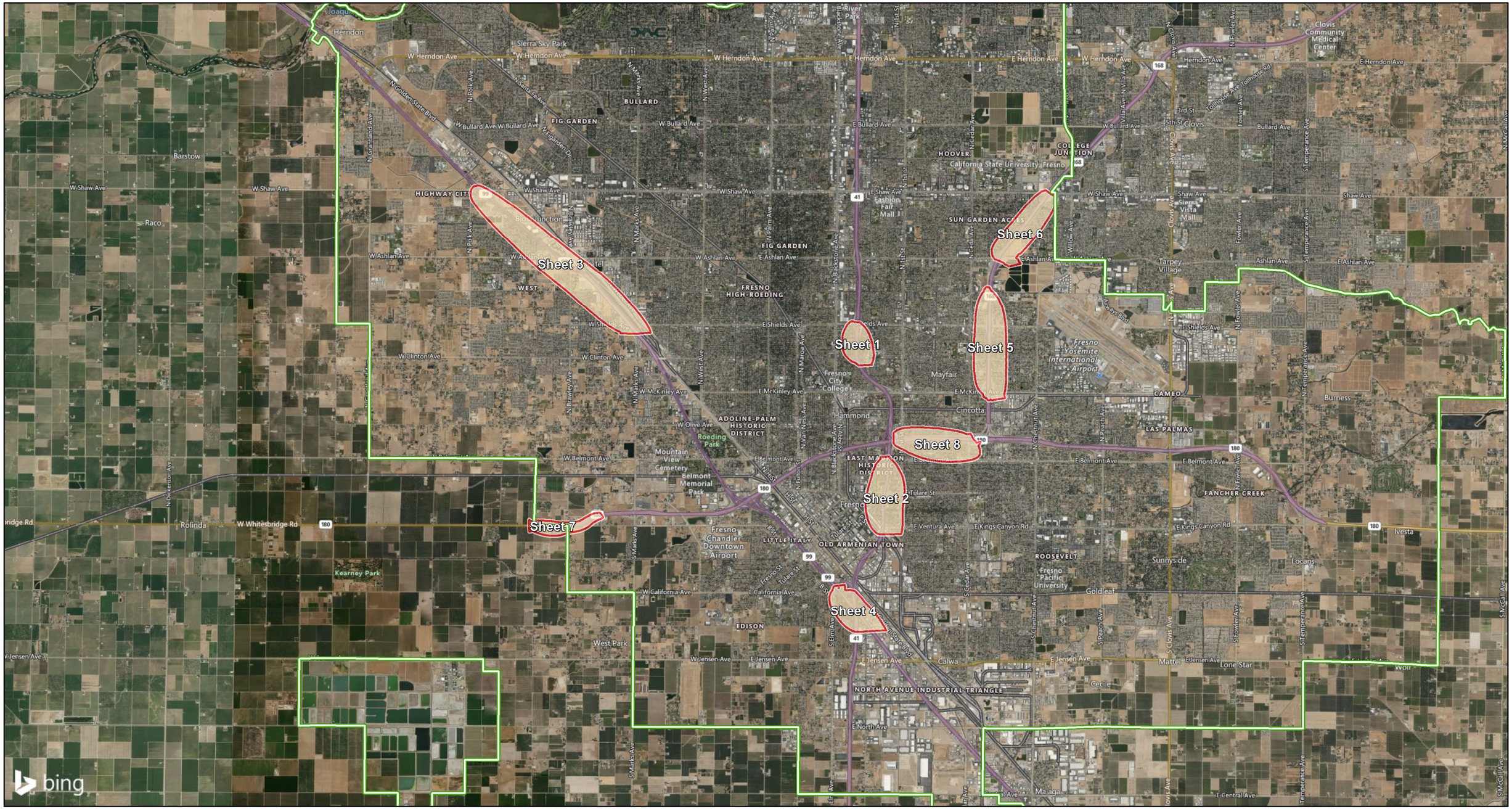
City of Fresno General Plan
Program Environmental Impact Report

Regional Location and Local Vicinity Map



LSA

LEGEND

- Fresno Planning Boundary
- Cancer Risk Analysis Areas

0 3100 6200 FEET

FIGURE 2

Project Name

Cancer Risk Analysis Areas

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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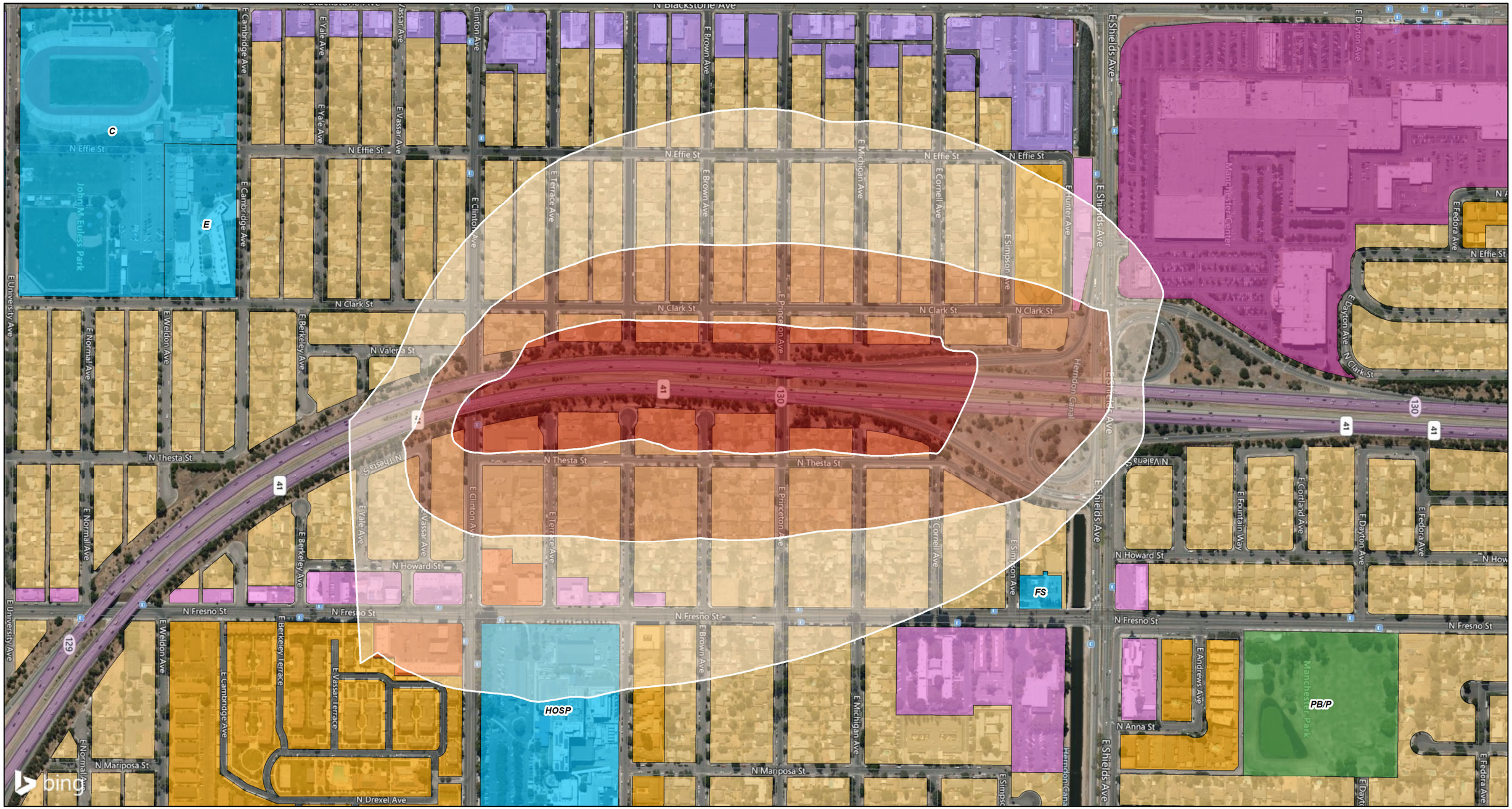

LSA

LEGEND

Cancer Risk Analysis
- Cancer Risk: 5 per million
- Cancer Risk: 10 per million
- Cancer Risk: 20 per million

Planned Land Use

Residential
- Medium Density (5.0-12 D.U./acre)
- Medium High Density (12-16 D.U./acre)

Commercial
- Community
- General
- Regional

Employment
- Office

Mixed Use
- Neighborhood Mixed Use

Open Space
- Ponding Basin (Park use)

Public Facilities
- Public/Quasi-public Facility
- Elementary School
- College
- Fire Station
- Hospital

0 170 340 FEET

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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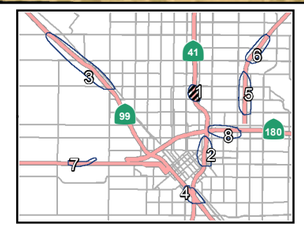

FIGURE 3

Sheet 1 of 8

Project Name

Cancer Risk Analysis

LSA

LEGEND

Cancer Risk Analysis
- Cancer Risk: 5 per million
- Cancer Risk: 10 per million
- Cancer Risk: 20 per million

Planned Land Use

Residential
- Low Density (1-3.5 D.U./acre)
- Medium Density (5.0-12 D.U./acre)

Employment
- Light Industrial
- Heavy Industrial

Mixed Use
- Neighborhood Mixed Use

Downtown
- Downtown General
- Downtown Neighborhood

Open Space
- Park

Public Facilities
- Elementary School
- Hospital

0 170 340 FEET

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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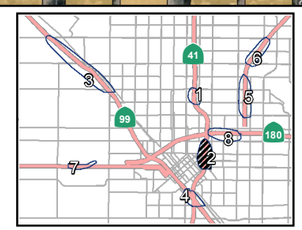

FIGURE 3
Sheet 2 of 8

Project Name

Cancer Risk Analysis

LSA

LEGEND

Cancer Risk Analysis
- Cancer Risk: 5 per million
- Cancer Risk: 10 per million
- Cancer Risk: 20 per million

Planned Land Use

Residential
- Low Density (1-3.5 D.U./acre)
- Medium Low Density (3.5-6 D.U./acre)
- Medium Density (5.0-12 D.U./acre)
- Medium High Density (12-16 D.U./acre)
- Urban Neighborhood (16-30 D.U./acre)

Commercial
- Community
- Recreation
- General

Employment
- Office
- Light Industrial

Mixed Use
- Regional Mixed Use

Open Space
- Community Park
- Neighborhood Park
- Open Space
- Park

Ponding Basin
- Ponding Basin (Park use)

Public Facilities
- Public/Quasi-public Facility
- Special School
- Elementary School
- Middle School

High School
- Church
- Community Activity Center
- Fire Station

0 500 1000 FEET

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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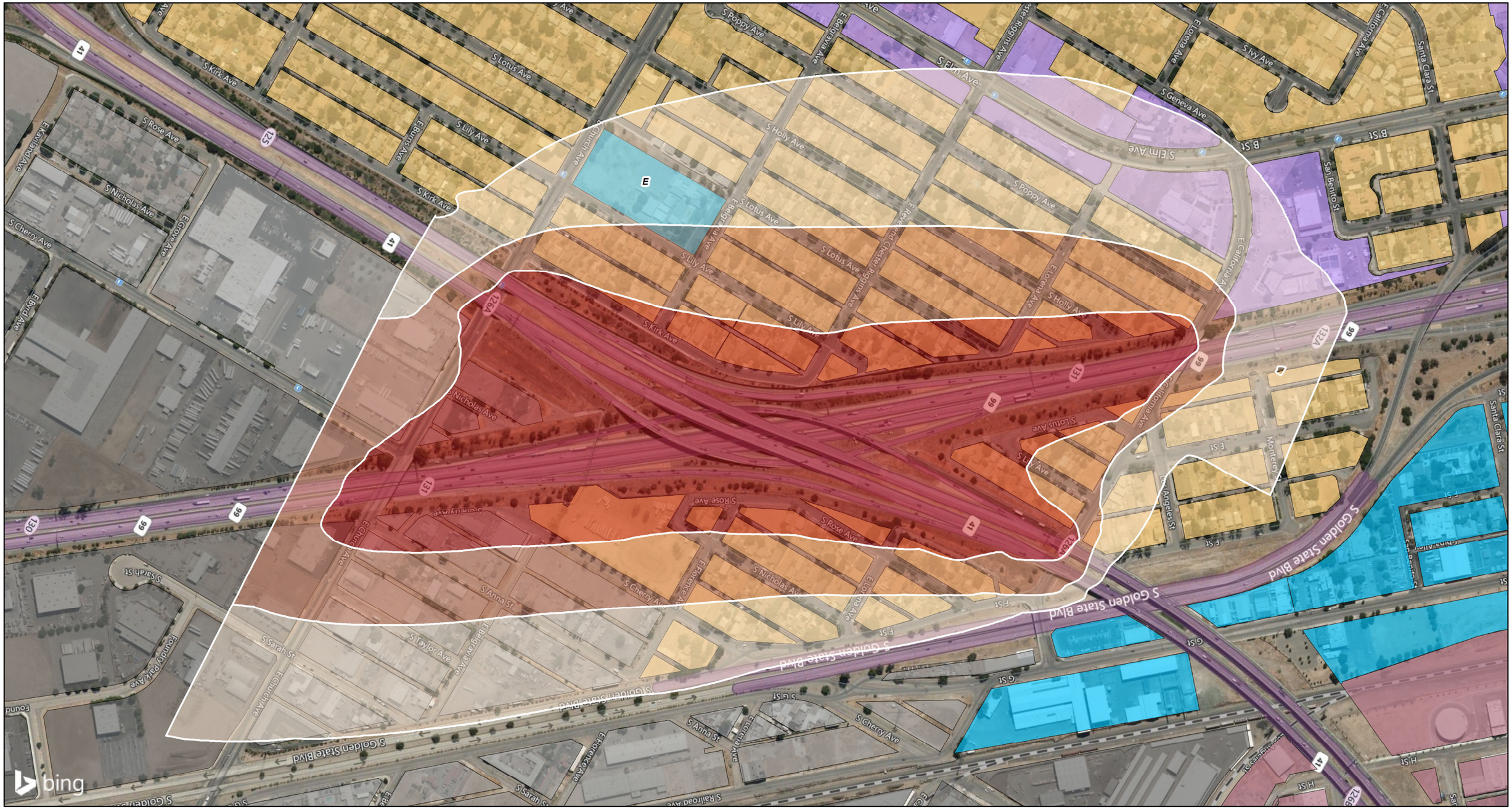
FIGURE 3
Sheet 3 of 8

Project Name

Cancer Risk Analysis



LSA

LEGEND

Cancer Risk Analysis
- Cancer Risk: 5 per million
- Cancer Risk: 10 per million
- Cancer Risk: 20 per million

Planned Land Use

Residential
- Medium Density (5.0-12 D.U./acre)

Employment
- Light Industrial
- Heavy Industrial

Mixed Use
- Neighborhood Mixed Use

Downtown
- Downtown Neighborhood

Public Facilities
- Public/Quasi-public Facility
- Elementary School

0 170 340 FEET

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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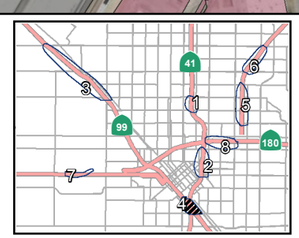
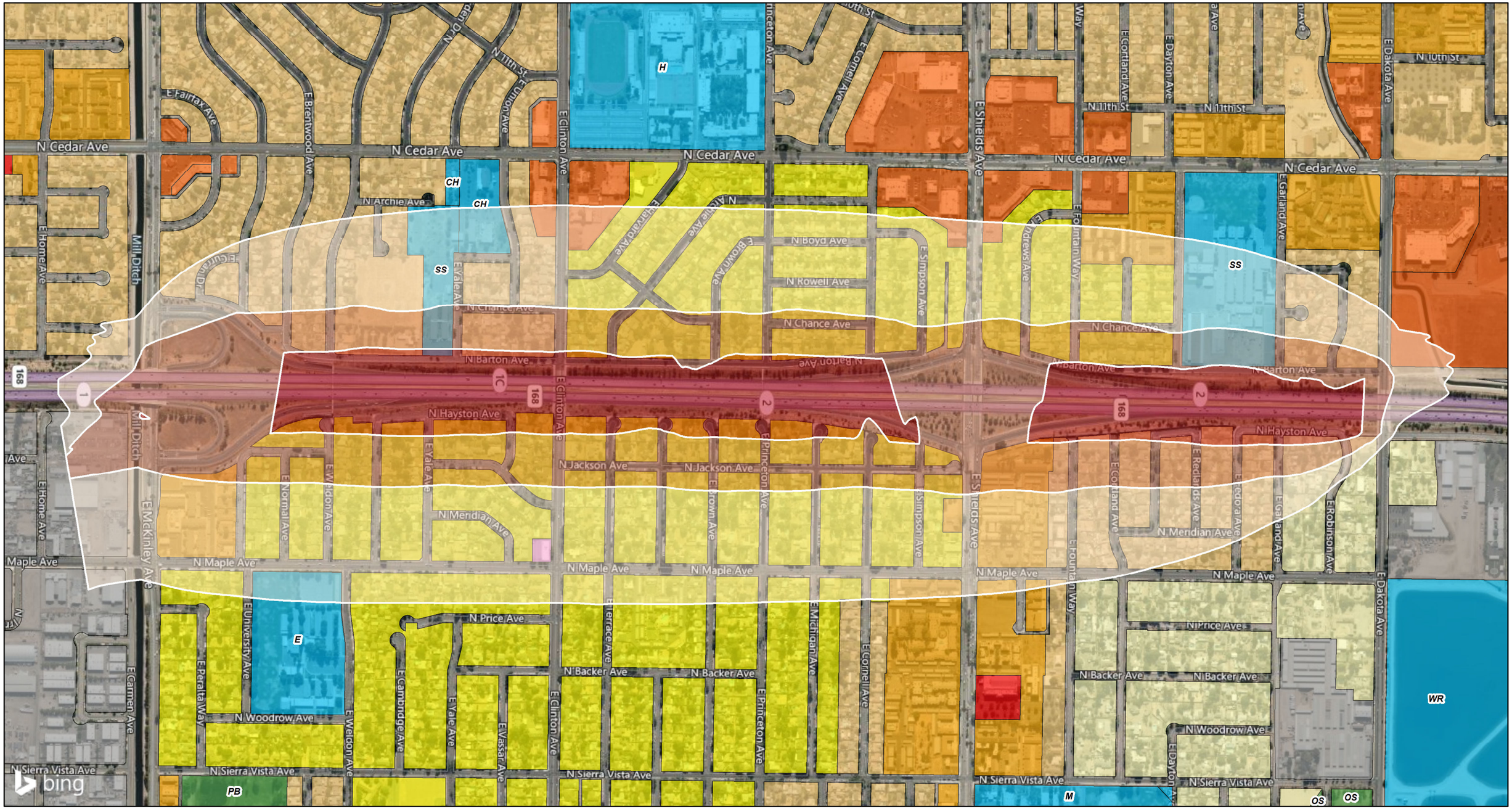


FIGURE 3
Sheet 4 of 8

Project Name

Cancer Risk Analysis



LSA

LEGEND

Cancer Risk Analysis
- Cancer Risk: 5 per million
- Cancer Risk: 10 per million
- Cancer Risk: 20 per million

Planned Land Use

Residential
- Low Density (1-3.5 D.U./acre)
- Medium Low Density (3.5-6 D.U./acre)
- Medium Density (5.0-12 D.U./acre)
- Medium High Density (12-16 D.U./acre)

Commercial
- Community
- Recreation
- General

Employment
- Office

Light Industrial

Open Space
- Open Space
- Ponding Basin

Public Facilities
- Public/Quasi-public Facility

Special School
- Elementary School
- Middle School
- High School
- Church
- Water Recharge Basin

0 250 500 FEET

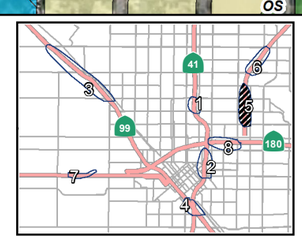


FIGURE 3
Sheet 5 of 8

Project Name
Cancer Risk Analysis

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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LSA

LEGEND

Cancer Risk Analysis
- Cancer Risk: 5 per million
- Cancer Risk: 10 per million
- Cancer Risk: 20 per million

Planned Land Use

Residential
- Low Density (1-3.5 D.U./acre)
- Medium Low Density (3.5-6 D.U./acre)
- Medium Density (5.0-12 D.U./acre)
- Medium High Density (12-16 D.U./acre)
- Urban Neighborhood (16-30 D.U./acre)

Commercial
- Community

Employment
- Light Industrial

Mixed Use
- Corridor/Center Mixed Use

Open Space
- Neighborhood Park
- Ponding Basin

Public Facilities
- Elementary School
- College
- Water Recharge Basin

0 210 420 FEET

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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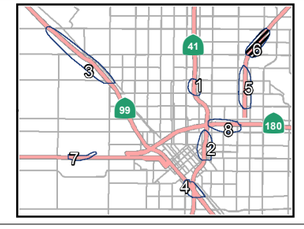
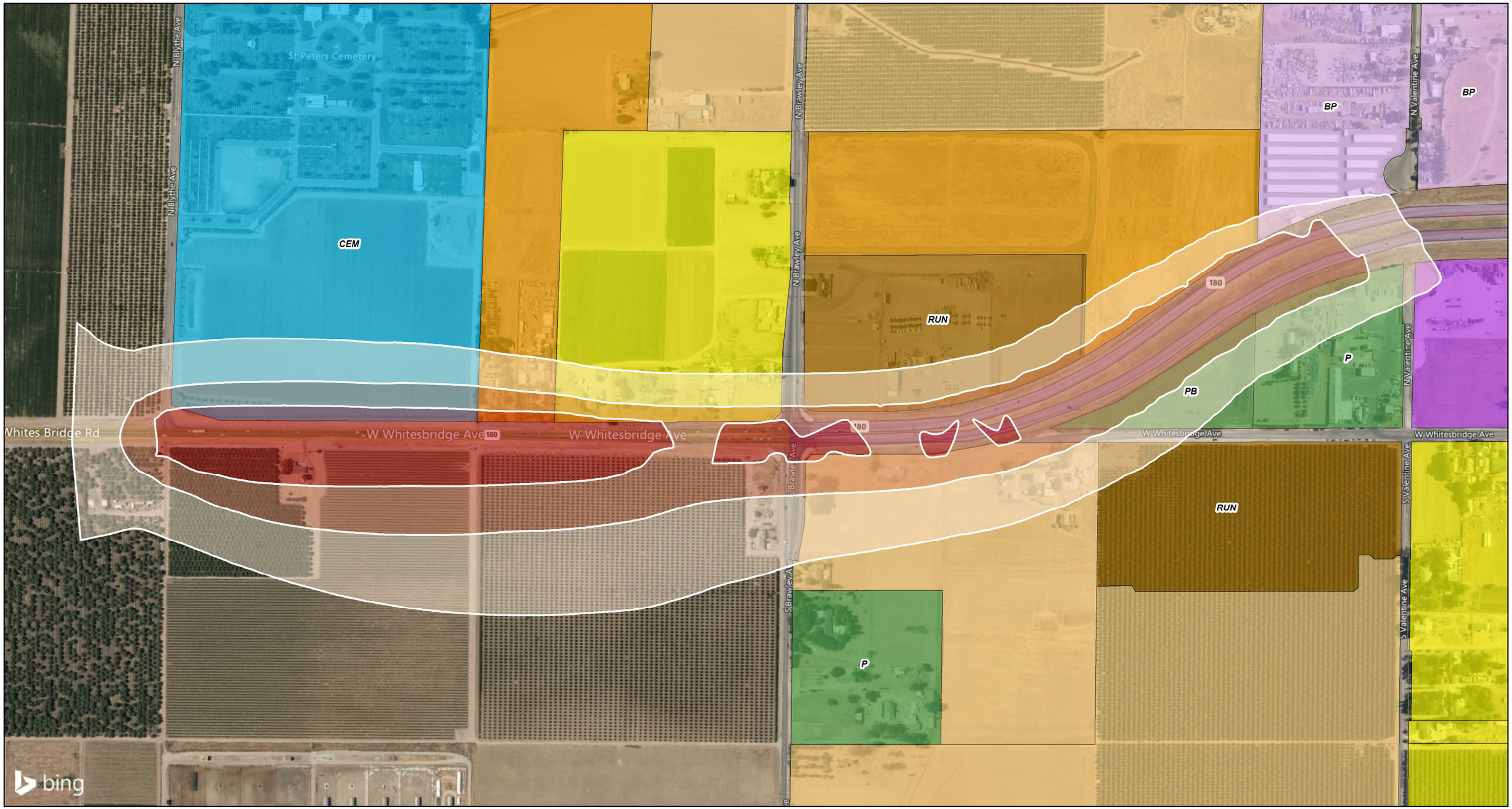


FIGURE 3
Sheet 6 of 8

Project Name

Cancer Risk Analysis



LSA

LEGEND

Cancer Risk Analysis
- Cancer Risk: 5 per million
- Cancer Risk: 10 per million
- Cancer Risk: 20 per million

Planned Land Use

Residential
- Medium Low Density (3.5-6 D.U./acre)
- Medium Density (5.0-12 D.U./acre)
- Medium High Density (12-16 D.U./acre)
- Urban Neighborhood (16-30 D.U./acre)

Employment
- Business Park

Mixed Use
- Corridor/Center Mixed Use

Open Space
- Park
- Ponding Basin

Public Facilities
- Cemetery

0 170 340 FEET

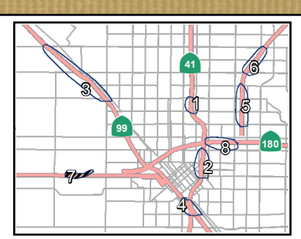


FIGURE 3
Sheet 7 of 8

Project Name
Cancer Risk Analysis

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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LSA

LEGEND

Cancer Risk Analysis
- Cancer Risk: 5 per million
- Cancer Risk: 10 per million
- Cancer Risk: 20 per million

Planned Land Use

Residential
- Medium Density (5.0-12 D.U./acre)
- Medium High Density (12-16 D.U./acre)

Commercial
- Community
- General

Employment
- Office

Mixed Use
- Neighborhood Mixed Use

Open Space
- Park

Public Facilities
- Public/Quasi-public Facility
- Elementary School
- Middle School

0 210 420 FEET

SOURCE: Bing Maps (2018); Lakes Environmental (10/2019); City of Fresno (2014)

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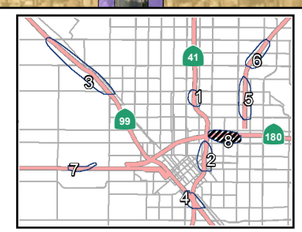

FIGURE 3
Sheet 8 of 8

Project Name

Cancer Risk Analysis