

APPENDIX A-2:
CALEEMOD WORKSHEETS FOR 3152 AND 3164 FUTURE STREET
(ANNUAL EMISSIONS)

Future Street Single Family - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

**Future Street Single Family
Los Angeles-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	2.00	Dwelling Unit	0.65	3,600.00	6

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2024
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	691.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Construction times are estimated.

Off-road Equipment - Construction equipment estimated based on observations made of similar development.

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Off-road Equipment -

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Off-road Equipment - Construction equipment estimated based on observations made of similar development.

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Off-road Equipment -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	100.00	152.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	1.00	21.00
tblConstructionPhase	NumDays	100.00	23.00
tblConstructionPhase	NumDays	1.00	22.00
tblConstructionPhase	NumDays	2.00	20.00
tblConstructionPhase	NumDays	100.00	23.00
tblConstructionPhase	NumDays	100.00	152.00
tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	5.00	21.00
tblConstructionPhase	PhaseEndDate	6/22/2022	12/31/2022
tblConstructionPhase	PhaseEndDate	6/8/2022	10/31/2022
tblConstructionPhase	PhaseEndDate	1/19/2022	2/28/2022
tblConstructionPhase	PhaseEndDate	6/15/2022	11/30/2022
tblConstructionPhase	PhaseEndDate	1/17/2022	1/31/2022
tblConstructionPhase	PhaseStartDate	6/16/2022	12/1/2022

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tblConstructionPhase	PhaseStartDate	1/20/2022	4/1/2022
tblConstructionPhase	PhaseStartDate	1/18/2022	2/1/2022
tblConstructionPhase	PhaseStartDate	6/9/2022	11/1/2022
tblConstructionPhase	PhaseStartDate	1/15/2022	1/1/2022
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.50	0.50
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Forklifts
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders

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tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	6.00	8.00

2.0 Emissions Summary

Future Street Single Family - Los Angeles-South Coast County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0971	0.8084	1.0757	1.7200e-003	3.0500e-003	0.0414	0.0444	8.1000e-004	0.0391	0.0399	0.0000	149.7479	149.7479	0.0359	7.0000e-005	150.6658
2023	0.0868	0.7052	1.0285	1.6600e-003	3.0700e-003	0.0332	0.0362	8.2000e-004	0.0314	0.0322	0.0000	144.7106	144.7106	0.0341	6.0000e-005	145.5816
Maximum	0.0971	0.8084	1.0757	1.7200e-003	3.0700e-003	0.0414	0.0444	8.2000e-004	0.0391	0.0399	0.0000	149.7479	149.7479	0.0359	7.0000e-005	150.6658

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0971	0.8084	1.0757	1.7200e-003	3.0500e-003	0.0414	0.0444	8.1000e-004	0.0391	0.0399	0.0000	149.7477	149.7477	0.0359	7.0000e-005	150.6656
2023	0.0868	0.7052	1.0285	1.6600e-003	3.0700e-003	0.0332	0.0362	8.2000e-004	0.0314	0.0322	0.0000	144.7104	144.7104	0.0341	6.0000e-005	145.5815
Maximum	0.0971	0.8084	1.0757	1.7200e-003	3.0700e-003	0.0414	0.0444	8.2000e-004	0.0391	0.0399	0.0000	149.7477	149.7477	0.0359	7.0000e-005	150.6656

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.1619	0.1619
2	4-1-2022	6-30-2022	0.2904	0.2904
3	7-1-2022	9-30-2022	0.2936	0.2936
4	10-1-2022	12-31-2022	0.1606	0.1606
5	1-1-2023	3-31-2023	0.1461	0.1461
6	4-1-2023	6-30-2023	0.2500	0.2500
7	7-1-2023	9-30-2023	0.2527	0.2527
		Highest	0.2936	0.2936

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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	0.0213	7.6000e-004	0.0333	3.0000e-005		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.2124	0.4419	0.6544	6.7000e-004	1.0000e-005	0.6753
Energy	3.0000e-004	2.5400e-003	1.0800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	7.8970	7.8970	2.9000e-004	8.0000e-005	7.9289
Mobile	9.9000e-003	0.0114	0.1033	2.3000e-004	0.0240	1.7000e-004	0.0241	6.3900e-003	1.5000e-004	6.5400e-003	0.0000	20.9187	20.9187	1.4300e-003	9.1000e-004	21.2249
Waste						0.0000	0.0000		0.0000	0.0000	0.4994	0.0000	0.4994	0.0295	0.0000	1.2371
Water						0.0000	0.0000		0.0000	0.0000	0.0413	0.8190	0.8604	4.2900e-003	1.0000e-004	0.9988
Total	0.0315	0.0147	0.1377	2.8000e-004	0.0240	2.4000e-003	0.0263	6.3900e-003	2.3800e-003	8.7700e-003	0.7531	30.0767	30.8298	0.0362	1.1000e-003	32.0650

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0148	2.4000e-004	0.0206	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0337	0.0337	3.0000e-005	0.0000	0.0345
Energy	3.0000e-004	2.5400e-003	1.0800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	7.8970	7.8970	2.9000e-004	8.0000e-005	7.9289
Mobile	9.9000e-003	0.0114	0.1033	2.3000e-004	0.0240	1.7000e-004	0.0241	6.3900e-003	1.5000e-004	6.5400e-003	0.0000	20.9187	20.9187	1.4300e-003	9.1000e-004	21.2249
Waste						0.0000	0.0000		0.0000	0.0000	0.4994	0.0000	0.4994	0.0295	0.0000	1.2371
Water						0.0000	0.0000		0.0000	0.0000	0.0331	0.7125	0.7456	3.4300e-003	8.0000e-005	0.8565
Total	0.0250	0.0142	0.1250	2.5000e-004	0.0240	4.9000e-004	0.0244	6.3900e-003	4.7000e-004	6.8600e-003	0.5324	29.5619	30.0944	0.0347	1.0700e-003	31.2819

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	20.82	3.54	9.23	10.71	0.00	79.58	7.25	0.00	80.25	21.78	29.31	1.71	2.39	4.14	2.73	2.44

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation (3152 Future St)	Site Preparation	1/1/2022	1/31/2022	5	21	
2	Grading (3152 Future St)	Grading	2/1/2022	2/28/2022	5	20	
3	Building Construction (3152 Future St)	Building Construction	4/1/2022	10/31/2022	5	152	

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4	Paving (3152 Future St)	Paving	11/1/2022	11/30/2022	5	22
5	Architectural Coating (3152 Future St)	Architectural Coating	12/1/2022	12/31/2022	5	22
6	Shoring/Piling (3152 Future St)	Building Construction	3/1/2022	3/31/2022	5	23
7	Site Preparation (3164 Future St)	Site Preparation	1/1/2023	1/31/2023	5	22
8	Grading (3164 Future St)	Grading	2/1/2023	2/28/2023	5	20
9	Shoring/Piling (3164 Future St)	Building Construction	3/1/2023	3/31/2023	5	23
10	Building Construction (3164 Future St)	Building Construction	4/1/2023	10/31/2023	5	152
11	Paving (3164 Future St)	Paving	11/1/2023	11/30/2023	5	22
12	Architectural Coatings (3164 Future St)	Architectural Coating	12/1/2023	12/31/2023	5	21

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 7,290; Residential Outdoor: 2,430; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating (3152 Future St)	Air Compressors	1	6.00	78	0.48
Paving (3152 Future St)	Cement and Mortar Mixers	1	6.00	9	0.56
Architectural Coatings (3164 Future St)	Air Compressors	1	6.00	78	0.48
Paving (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Shoring/Piling (3152 Future St)	Bore/Drill Rigs	1	6.00	221	0.50
Building Construction (3152 Future St)	Aerial Lifts	1	8.00	63	0.31
Grading (3152 Future St)	Excavators	1	8.00	158	0.38
Shoring/Piling (3152 Future St)	Excavators	1	8.00	158	0.38
Paving (3152 Future St)	Rollers	1	7.00	80	0.38
Paving (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37

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Building Construction (3152 Future St)	Forklifts	2	8.00	89	0.20
Shoring/Piling (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3164 Future St)	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction (3152 Future St)	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation (3164 Future St)	Excavators	1	8.00	158	0.38
Grading (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Shoring/Piling (3152 Future St)	Cranes	1	4.00	231	0.29
Shoring/Piling (3164 Future St)	Cranes	1	4.00	231	0.29
Building Construction (3164 Future St)	Forklifts	2	6.00	89	0.20
Shoring/Piling (3152 Future St)	Forklifts	2	6.00	89	0.20
Shoring/Piling (3164 Future St)	Forklifts	2	6.00	89	0.20
Shoring/Piling (3164 Future St)	Bore/Drill Rigs	1	6.00	221	0.50
Grading (3164 Future St)	Excavators	1	8.00	158	0.38
Paving (3164 Future St)	Cement and Mortar Mixers	1	6.00	9	0.56
Shoring/Piling (3164 Future St)	Excavators	1	8.00	158	0.38
Building Construction (3164 Future St)	Aerial Lifts	1	8.00	63	0.31
Site Preparation (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Paving (3164 Future St)	Rollers	1	7.00	80	0.38
Shoring/Piling (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Grading (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Site Preparation (3152 Future St)	Excavators	1	8.00	158	0.38
Site Preparation (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3152 Future St)	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction (3152 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3164 Future St)	Skid Steer Loaders	1	8.00	65	0.37
Building Construction (3164 Future St)	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Shoring/Piling (3152 Future St)	6	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (3152 Future St)	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading (3152 Future St)	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (3152 Future St)	6	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving (3152 Future St)	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating (3152 Future St)	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation (3164 Future St)	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading (3164 Future St)	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Shoring/Piling (3164 Future St)	6	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction (3164 Future St)	6	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving (3164 Future St)	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coatings (3164 Future St)	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation (3152 Future St) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8600e-003	0.0284	0.0487	8.0000e-005		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	6.6717	6.6717	2.1600e-003	0.0000	6.7256
Total	2.8600e-003	0.0284	0.0487	8.0000e-005	0.0000	1.2600e-003	1.2600e-003	0.0000	1.1600e-003	1.1600e-003	0.0000	6.6717	6.6717	2.1600e-003	0.0000	6.7256

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.5000e-004	1.9500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4732	0.4732	1.0000e-005	1.0000e-005	0.4773
Total	1.8000e-004	1.5000e-004	1.9500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4732	0.4732	1.0000e-005	1.0000e-005	0.4773

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3.2 Site Preparation (3152 Future St) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8600e-003	0.0284	0.0487	8.0000e-005		1.2600e-003	1.2600e-003		1.1600e-003	1.1600e-003	0.0000	6.6717	6.6717	2.1600e-003	0.0000	6.7256
Total	2.8600e-003	0.0284	0.0487	8.0000e-005	0.0000	1.2600e-003	1.2600e-003	0.0000	1.1600e-003	1.1600e-003	0.0000	6.6717	6.6717	2.1600e-003	0.0000	6.7256

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.5000e-004	1.9500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4732	0.4732	1.0000e-005	1.0000e-005	0.4773
Total	1.8000e-004	1.5000e-004	1.9500e-003	1.0000e-005	5.8000e-004	0.0000	5.8000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4732	0.4732	1.0000e-005	1.0000e-005	0.4773

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading (3152 Future St) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7200e-003	0.0271	0.0464	7.0000e-005		1.2000e-003	1.2000e-003		1.1100e-003	1.1100e-003	0.0000	6.3540	6.3540	2.0600e-003	0.0000	6.4054
Total	2.7200e-003	0.0271	0.0464	7.0000e-005	0.0000	1.2000e-003	1.2000e-003	0.0000	1.1100e-003	1.1100e-003	0.0000	6.3540	6.3540	2.0600e-003	0.0000	6.4054

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.4000e-004	1.8500e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4506	0.4506	1.0000e-005	1.0000e-005	0.4546
Total	1.7000e-004	1.4000e-004	1.8500e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4506	0.4506	1.0000e-005	1.0000e-005	0.4546

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading (3152 Future St) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7200e-003	0.0271	0.0464	7.0000e-005		1.2000e-003	1.2000e-003		1.1100e-003	1.1100e-003	0.0000	6.3540	6.3540	2.0600e-003	0.0000	6.4054
Total	2.7200e-003	0.0271	0.0464	7.0000e-005	0.0000	1.2000e-003	1.2000e-003	0.0000	1.1100e-003	1.1100e-003	0.0000	6.3540	6.3540	2.0600e-003	0.0000	6.4054

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.4000e-004	1.8500e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4506	0.4506	1.0000e-005	1.0000e-005	0.4546
Total	1.7000e-004	1.4000e-004	1.8500e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4506	0.4506	1.0000e-005	1.0000e-005	0.4546

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction (3152 Future St) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0650	0.6137	0.8125	1.2300e-003		0.0323	0.0323		0.0306	0.0306	0.0000	107.0716	107.0716	0.0236	0.0000	107.6626
Total	0.0650	0.6137	0.8125	1.2300e-003		0.0323	0.0323		0.0306	0.0306	0.0000	107.0716	107.0716	0.0236	0.0000	107.6626

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.2000e-004	2.8200e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6849	0.6849	2.0000e-005	2.0000e-005	0.6910
Total	2.6000e-004	2.2000e-004	2.8200e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6849	0.6849	2.0000e-005	2.0000e-005	0.6910

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction (3152 Future St) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0650	0.6137	0.8125	1.2300e-003		0.0323	0.0323		0.0306	0.0306	0.0000	107.0714	107.0714	0.0236	0.0000	107.6625
Total	0.0650	0.6137	0.8125	1.2300e-003		0.0323	0.0323		0.0306	0.0306	0.0000	107.0714	107.0714	0.0236	0.0000	107.6625

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	2.2000e-004	2.8200e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6849	0.6849	2.0000e-005	2.0000e-005	0.6910
Total	2.6000e-004	2.2000e-004	2.8200e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6849	0.6849	2.0000e-005	2.0000e-005	0.6910

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving (3152 Future St) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8500e-003	0.0299	0.0357	5.0000e-005		1.4600e-003	1.4600e-003		1.3500e-003	1.3500e-003	0.0000	4.5965	4.5965	1.4000e-003	0.0000	4.6316
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8500e-003	0.0299	0.0357	5.0000e-005		1.4600e-003	1.4600e-003		1.3500e-003	1.3500e-003	0.0000	4.5965	4.5965	1.4000e-003	0.0000	4.6316

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	2.5000e-004	3.2600e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7931	0.7931	2.0000e-005	2.0000e-005	0.8001
Total	3.0000e-004	2.5000e-004	3.2600e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7931	0.7931	2.0000e-005	2.0000e-005	0.8001

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving (3152 Future St) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.8500e-003	0.0299	0.0357	5.0000e-005		1.4600e-003	1.4600e-003		1.3500e-003	1.3500e-003	0.0000	4.5965	4.5965	1.4000e-003	0.0000	4.6316
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.8500e-003	0.0299	0.0357	5.0000e-005		1.4600e-003	1.4600e-003		1.3500e-003	1.3500e-003	0.0000	4.5965	4.5965	1.4000e-003	0.0000	4.6316

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-004	2.5000e-004	3.2600e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7931	0.7931	2.0000e-005	2.0000e-005	0.8001
Total	3.0000e-004	2.5000e-004	3.2600e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7931	0.7931	2.0000e-005	2.0000e-005	0.8001

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Shoring/Piling (3152 Future St) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1800e-003	0.0931	0.1020	2.2000e-004		4.2200e-003	4.2200e-003		3.8900e-003	3.8900e-003	0.0000	19.7401	19.7401	6.3800e-003	0.0000	19.8997
Total	9.1800e-003	0.0931	0.1020	2.2000e-004		4.2200e-003	4.2200e-003		3.8900e-003	3.8900e-003	0.0000	19.7401	19.7401	6.3800e-003	0.0000	19.8997

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1036	0.1036	0.0000	0.0000	0.1046
Total	4.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1036	0.1036	0.0000	0.0000	0.1046

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.7 Shoring/Piling (3152 Future St) - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.1800e-003	0.0931	0.1020	2.2000e-004		4.2200e-003	4.2200e-003		3.8900e-003	3.8900e-003	0.0000	19.7401	19.7401	6.3800e-003	0.0000	19.8997
Total	9.1800e-003	0.0931	0.1020	2.2000e-004		4.2200e-003	4.2200e-003		3.8900e-003	3.8900e-003	0.0000	19.7401	19.7401	6.3800e-003	0.0000	19.8997

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1036	0.1036	0.0000	0.0000	0.1046
Total	4.0000e-005	3.0000e-005	4.3000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1036	0.1036	0.0000	0.0000	0.1046

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation (3164 Future St) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e-003	0.0266	0.0512	8.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	7.0081	7.0081	2.2700e-003	0.0000	7.0647
Total	2.8000e-003	0.0266	0.0512	8.0000e-005	0.0000	1.1600e-003	1.1600e-003	0.0000	1.0700e-003	1.0700e-003	0.0000	7.0081	7.0081	2.2700e-003	0.0000	7.0647

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.4000e-004	1.8700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4797	0.4797	1.0000e-005	1.0000e-005	0.4838
Total	1.7000e-004	1.4000e-004	1.8700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4797	0.4797	1.0000e-005	1.0000e-005	0.4838

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.8 Site Preparation (3164 Future St) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8000e-003	0.0266	0.0512	8.0000e-005		1.1600e-003	1.1600e-003		1.0700e-003	1.0700e-003	0.0000	7.0081	7.0081	2.2700e-003	0.0000	7.0647
Total	2.8000e-003	0.0266	0.0512	8.0000e-005	0.0000	1.1600e-003	1.1600e-003	0.0000	1.0700e-003	1.0700e-003	0.0000	7.0081	7.0081	2.2700e-003	0.0000	7.0647

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.4000e-004	1.8700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4797	0.4797	1.0000e-005	1.0000e-005	0.4838
Total	1.7000e-004	1.4000e-004	1.8700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4797	0.4797	1.0000e-005	1.0000e-005	0.4838

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Grading (3164 Future St) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5400e-003	0.0242	0.0465	7.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	6.3710	6.3710	2.0600e-003	0.0000	6.4225
Total	2.5400e-003	0.0242	0.0465	7.0000e-005	0.0000	1.0500e-003	1.0500e-003	0.0000	9.7000e-004	9.7000e-004	0.0000	6.3710	6.3710	2.0600e-003	0.0000	6.4225

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.3000e-004	1.7000e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4361	0.4361	1.0000e-005	1.0000e-005	0.4398
Total	1.6000e-004	1.3000e-004	1.7000e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4361	0.4361	1.0000e-005	1.0000e-005	0.4398

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.9 Grading (3164 Future St) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5400e-003	0.0242	0.0465	7.0000e-005		1.0500e-003	1.0500e-003		9.7000e-004	9.7000e-004	0.0000	6.3710	6.3710	2.0600e-003	0.0000	6.4225
Total	2.5400e-003	0.0242	0.0465	7.0000e-005	0.0000	1.0500e-003	1.0500e-003	0.0000	9.7000e-004	9.7000e-004	0.0000	6.3710	6.3710	2.0600e-003	0.0000	6.4225

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6000e-004	1.3000e-004	1.7000e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4361	0.4361	1.0000e-005	1.0000e-005	0.4398
Total	1.6000e-004	1.3000e-004	1.7000e-003	0.0000	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4361	0.4361	1.0000e-005	1.0000e-005	0.4398

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Shoring/Piling (3164 Future St) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5800e-003	0.0840	0.1014	2.3000e-004		3.7200e-003	3.7200e-003		3.4200e-003	3.4200e-003	0.0000	19.7565	19.7565	6.3900e-003	0.0000	19.9162
Total	8.5800e-003	0.0840	0.1014	2.3000e-004		3.7200e-003	3.7200e-003		3.4200e-003	3.4200e-003	0.0000	19.7565	19.7565	6.3900e-003	0.0000	19.9162

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.9000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1003	0.1003	0.0000	0.0000	0.1012
Total	4.0000e-005	3.0000e-005	3.9000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1003	0.1003	0.0000	0.0000	0.1012

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.10 Shoring/Piling (3164 Future St) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.5800e-003	0.0840	0.1014	2.3000e-004		3.7200e-003	3.7200e-003		3.4200e-003	3.4200e-003	0.0000	19.7565	19.7565	6.3900e-003	0.0000	19.9162
Total	8.5800e-003	0.0840	0.1014	2.3000e-004		3.7200e-003	3.7200e-003		3.4200e-003	3.4200e-003	0.0000	19.7565	19.7565	6.3900e-003	0.0000	19.9162

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.9000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1003	0.1003	0.0000	0.0000	0.1012
Total	4.0000e-005	3.0000e-005	3.9000e-004	0.0000	1.3000e-004	0.0000	1.3000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.1003	0.1003	0.0000	0.0000	0.1012

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Building Construction (3164 Future St) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0561	0.5280	0.7652	1.1700e-003		0.0252	0.0252		0.0239	0.0239	0.0000	101.8581	101.8581	0.0217	0.0000	102.4016
Total	0.0561	0.5280	0.7652	1.1700e-003		0.0252	0.0252		0.0239	0.0239	0.0000	101.8581	101.8581	0.0217	0.0000	102.4016

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.5900e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6629	0.6629	2.0000e-005	2.0000e-005	0.6685
Total	2.4000e-004	1.9000e-004	2.5900e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6629	0.6629	2.0000e-005	2.0000e-005	0.6685

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.11 Building Construction (3164 Future St) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0561	0.5280	0.7652	1.1700e-003		0.0252	0.0252		0.0239	0.0239	0.0000	101.8579	101.8579	0.0217	0.0000	102.4015
Total	0.0561	0.5280	0.7652	1.1700e-003		0.0252	0.0252		0.0239	0.0239	0.0000	101.8579	101.8579	0.0217	0.0000	102.4015

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.5900e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6629	0.6629	2.0000e-005	2.0000e-005	0.6685
Total	2.4000e-004	1.9000e-004	2.5900e-003	1.0000e-005	8.3000e-004	1.0000e-005	8.4000e-004	2.2000e-004	0.0000	2.3000e-004	0.0000	0.6629	0.6629	2.0000e-005	2.0000e-005	0.6685

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving (3164 Future St) - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6800e-003	0.0280	0.0356	5.0000e-005		1.2900e-003	1.2900e-003		1.2000e-003	1.2000e-003	0.0000	4.5894	4.5894	1.4000e-003	0.0000	4.6244
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6800e-003	0.0280	0.0356	5.0000e-005		1.2900e-003	1.2900e-003		1.2000e-003	1.2000e-003	0.0000	4.5894	4.5894	1.4000e-003	0.0000	4.6244

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	3.0000e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7676	0.7676	2.0000e-005	2.0000e-005	0.7740
Total	2.8000e-004	2.2000e-004	3.0000e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7676	0.7676	2.0000e-005	2.0000e-005	0.7740

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.12 Paving (3164 Future St) - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.6800e-003	0.0280	0.0356	5.0000e-005		1.2900e-003	1.2900e-003		1.2000e-003	1.2000e-003	0.0000	4.5894	4.5894	1.4000e-003	0.0000	4.6244
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	2.6800e-003	0.0280	0.0356	5.0000e-005		1.2900e-003	1.2900e-003		1.2000e-003	1.2000e-003	0.0000	4.5894	4.5894	1.4000e-003	0.0000	4.6244

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	2.2000e-004	3.0000e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7676	0.7676	2.0000e-005	2.0000e-005	0.7740
Total	2.8000e-004	2.2000e-004	3.0000e-003	1.0000e-005	9.6000e-004	1.0000e-005	9.7000e-004	2.6000e-004	1.0000e-005	2.6000e-004	0.0000	0.7676	0.7676	2.0000e-005	2.0000e-005	0.7740

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	9.9000e-003	0.0114	0.1033	2.3000e-004	0.0240	1.7000e-004	0.0241	6.3900e-003	1.5000e-004	6.5400e-003	0.0000	20.9187	20.9187	1.4300e-003	9.1000e-004	21.2249
Unmitigated	9.9000e-003	0.0114	0.1033	2.3000e-004	0.0240	1.7000e-004	0.0241	6.3900e-003	1.5000e-004	6.5400e-003	0.0000	20.9187	20.9187	1.4300e-003	9.1000e-004	21.2249

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	18.88	19.08	17.10	63,745	63,745
Total	18.88	19.08	17.10	63,745	63,745

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.542464	0.063735	0.188241	0.126899	0.023249	0.006239	0.010717	0.008079	0.000923	0.000604	0.024795	0.000702	0.003352

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.9498	4.9498	2.4000e-004	3.0000e-005	4.9642
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	4.9498	4.9498	2.4000e-004	3.0000e-005	4.9642
NaturalGas Mitigated	3.0000e-004	2.5400e-003	1.0800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	2.9472	2.9472	6.0000e-005	5.0000e-005	2.9647
NaturalGas Unmitigated	3.0000e-004	2.5400e-003	1.0800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	2.9472	2.9472	6.0000e-005	5.0000e-005	2.9647

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5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	55228	3.0000e-004	2.5400e-003	1.0800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	2.9472	2.9472	6.0000e-005	5.0000e-005	2.9647
Total		3.0000e-004	2.5400e-003	1.0800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	2.9472	2.9472	6.0000e-005	5.0000e-005	2.9647

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	55228	3.0000e-004	2.5400e-003	1.0800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	2.9472	2.9472	6.0000e-005	5.0000e-005	2.9647
Total		3.0000e-004	2.5400e-003	1.0800e-003	2.0000e-005		2.1000e-004	2.1000e-004		2.1000e-004	2.1000e-004	0.0000	2.9472	2.9472	6.0000e-005	5.0000e-005	2.9647

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	15769.9	4.9498	2.4000e-004	3.0000e-005	4.9642
Total		4.9498	2.4000e-004	3.0000e-005	4.9642

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Single Family Housing	15769.9	4.9498	2.4000e-004	3.0000e-005	4.9642
Total		4.9498	2.4000e-004	3.0000e-005	4.9642

6.0 Area Detail

6.1 Mitigation Measures Area

No Hearths Installed

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0148	2.4000e-004	0.0206	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0337	0.0337	3.0000e-005	0.0000	0.0345
Unmitigated	0.0213	7.6000e-004	0.0333	3.0000e-005		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.2124	0.4419	0.6544	6.7000e-004	1.0000e-005	0.6753

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	6.5500e-003	5.2000e-004	0.0127	3.0000e-005		1.9100e-003	1.9100e-003		1.9100e-003	1.9100e-003	0.2124	0.4082	0.6207	6.3000e-004	1.0000e-005	0.6408
Landscaping	6.2000e-004	2.4000e-004	0.0206	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0337	0.0337	3.0000e-005	0.0000	0.0345
Total	0.0213	7.6000e-004	0.0333	3.0000e-005		2.0200e-003	2.0200e-003		2.0200e-003	2.0200e-003	0.2124	0.4419	0.6544	6.6000e-004	1.0000e-005	0.6753

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.1300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0130					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.2000e-004	2.4000e-004	0.0206	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0337	0.0337	3.0000e-005	0.0000	0.0345
Total	0.0148	2.4000e-004	0.0206	0.0000		1.1000e-004	1.1000e-004		1.1000e-004	1.1000e-004	0.0000	0.0337	0.0337	3.0000e-005	0.0000	0.0345

7.0 Water Detail

7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Landscaping

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.7456	3.4300e-003	8.0000e-005	0.8565
Unmitigated	0.8604	4.2900e-003	1.0000e-004	0.9988

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.130308 / 0.0821507	0.8604	4.2900e-003	1.0000e-004	0.9988
Total		0.8604	4.2900e-003	1.0000e-004	0.9988

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Single Family Housing	0.104246 / 0.0821507	0.7456	3.4300e-003	8.0000e-005	0.8565
Total		0.7456	3.4300e-003	8.0000e-005	0.8565

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.4994	0.0295	0.0000	1.2371
Unmitigated	0.4994	0.0295	0.0000	1.2371

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	2.46	0.4994	0.0295	0.0000	1.2371
Total		0.4994	0.0295	0.0000	1.2371

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Single Family Housing	2.46	0.4994	0.0295	0.0000	1.2371
Total		0.4994	0.0295	0.0000	1.2371

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
