

## APPENDIX A

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### AIR QUALITY, GREENHOUSE GAS, AND ENERGY MODELING DATA

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Newport Beach, 1300 Bristol (CalEEMod)**

**Orange County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	151.87	1000sqft	0.66	151,869.00	0
City Park	0.31	Acre	0.31	13,503.60	0
Apartments Mid Rise	193.00	Dwelling Unit	1.00	239,394.00	552

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Per site plan
- Construction Phase - Anticipated construction schedule
- Demolition -
- Grading -
- Woodstoves - No wood burning per rule 445 SCAQMD
- Construction Off-road Equipment Mitigation - SCAQMD Rule Compliance
- Water Mitigation -

## Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	2.00	21.00
tblConstructionPhase	NumDays	4.00	87.00
tblConstructionPhase	NumDays	10.00	87.00
tblConstructionPhase	NumDays	200.00	364.00
tblConstructionPhase	NumDays	10.00	79.00
tblFireplaces	NumberWood	9.65	0.00
tblGrading	MaterialExported	0.00	46,000.00
tblLandUse	LandUseSquareFeet	151,870.00	151,869.00
tblLandUse	LandUseSquareFeet	193,000.00	239,394.00
tblLandUse	LotAcreage	3.49	0.66
tblLandUse	LotAcreage	5.08	1.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00

**2.0 Emissions Summary**

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5402	20.7155	14.4650	0.0509	8.1061	0.6888	8.7511	3.7040	0.6444	4.2989	0.0000	5,435.451 5	5,435.451 5	0.9849	0.5384	5,620.506 5
2024	2.0187	13.0780	19.1459	0.0495	2.6319	0.4709	3.1028	0.7049	0.4538	1.1588	0.0000	4,894.519 2	4,894.519 2	0.4298	0.1745	4,957.270 6
2025	21.6639	13.5943	21.6498	0.0554	3.1013	0.4661	3.5674	0.8294	0.4507	1.2801	0.0000	5,496.814 7	5,496.814 7	0.4431	0.1778	5,560.873 1
<b>Maximum</b>	<b>21.6639</b>	<b>20.7155</b>	<b>21.6498</b>	<b>0.0554</b>	<b>8.1061</b>	<b>0.6888</b>	<b>8.7511</b>	<b>3.7040</b>	<b>0.6444</b>	<b>4.2989</b>	<b>0.0000</b>	<b>5,496.814 7</b>	<b>5,496.814 7</b>	<b>0.9849</b>	<b>0.5384</b>	<b>5,620.506 5</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5402	20.7155	14.4650	0.0509	4.0040	0.6888	4.6490	1.7318	0.6444	2.3267	0.0000	5,435.451 5	5,435.451 5	0.9849	0.5384	5,620.506 5
2024	2.0187	13.0780	19.1459	0.0495	2.4975	0.4709	2.9684	0.6719	0.4538	1.1258	0.0000	4,894.519 2	4,894.519 2	0.4298	0.1745	4,957.270 6
2025	21.6639	13.5943	21.6498	0.0554	2.9424	0.4661	3.4085	0.7904	0.4507	1.2411	0.0000	5,496.814 7	5,496.814 7	0.4431	0.1778	5,560.873 1
<b>Maximum</b>	<b>21.6639</b>	<b>20.7155</b>	<b>21.6498</b>	<b>0.0554</b>	<b>4.0040</b>	<b>0.6888</b>	<b>4.6490</b>	<b>1.7318</b>	<b>0.6444</b>	<b>2.3267</b>	<b>0.0000</b>	<b>5,496.814 7</b>	<b>5,496.814 7</b>	<b>0.9849</b>	<b>0.5384</b>	<b>5,620.506 5</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	31.76	0.00	28.50	39.03	0.00	30.34	0.00	0.00	0.00	0.00	0.00	0.00

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.0140	2.9047	17.0812	0.0182		0.3083	0.3083		0.3083	0.3083	0.0000	3,502.703 9	3,502.703 9	0.0941	0.0637	3,524.036 7
Energy	0.0636	0.5433	0.2312	3.4700e- 003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
Mobile	2.7641	2.7495	27.8600	0.0669	7.5640	0.0447	7.6087	2.0162	0.0416	2.0577		6,985.908 1	6,985.908 1	0.3930	0.2654	7,074.820 3
<b>Total</b>	<b>8.8417</b>	<b>6.1975</b>	<b>45.1724</b>	<b>0.0886</b>	<b>7.5640</b>	<b>0.3970</b>	<b>7.9610</b>	<b>2.0162</b>	<b>0.3938</b>	<b>2.4100</b>	<b>0.0000</b>	<b>11,182.20 64</b>	<b>11,182.20 64</b>	<b>0.5005</b>	<b>0.3418</b>	<b>11,296.57 31</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.0140	2.9047	17.0812	0.0182		0.3083	0.3083		0.3083	0.3083	0.0000	3,502.703 9	3,502.703 9	0.0941	0.0637	3,524.036 7
Energy	0.0636	0.5433	0.2312	3.4700e- 003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
Mobile	2.7641	2.7495	27.8600	0.0669	7.5640	0.0447	7.6087	2.0162	0.0416	2.0577		6,985.908 1	6,985.908 1	0.3930	0.2654	7,074.820 3
<b>Total</b>	<b>8.8417</b>	<b>6.1975</b>	<b>45.1724</b>	<b>0.0886</b>	<b>7.5640</b>	<b>0.3970</b>	<b>7.9610</b>	<b>2.0162</b>	<b>0.3938</b>	<b>2.4100</b>	<b>0.0000</b>	<b>11,182.20 64</b>	<b>11,182.20 64</b>	<b>0.5005</b>	<b>0.3418</b>	<b>11,296.57 31</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2023	4/1/2023	5	23	
2	Site Preparation	Site Preparation	4/2/2023	5/1/2023	5	21	
3	Grading	Grading	5/2/2023	8/30/2023	5	87	
4	Paving	Paving	8/31/2023	12/31/2023	5	87	
5	Building Construction	Building Construction	1/1/2024	5/22/2025	5	364	
6	Architectural Coating	Architectural Coating	2/1/2025	5/22/2025	5	79	

**Acres of Grading (Site Preparation Phase): 19.69**

**Acres of Grading (Grading Phase): 87**

**Acres of Paving: 0.66**

**Residential Indoor: 484,773; Residential Outdoor: 161,591; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,112 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	343.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	4,548.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	208.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	42.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover



Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2275	0.0000	3.2275	0.4887	0.0000	0.4887			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
<b>Total</b>	<b>1.4725</b>	<b>14.3184</b>	<b>13.4577</b>	<b>0.0241</b>	<b>3.2275</b>	<b>0.6766</b>	<b>3.9042</b>	<b>0.4887</b>	<b>0.6328</b>	<b>1.1215</b>		<b>2,324.3959</b>	<b>2,324.3959</b>	<b>0.5893</b>		<b>2,339.1278</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0311	1.7772	0.6092	8.3700e-003	0.2601	0.0114	0.2715	0.0712	0.0110	0.0822		953.7646	953.7646	0.0962	0.1530	1,001.7632
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0366	0.0234	0.3981	1.2300e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		125.4904	125.4904	2.7200e-003	2.6800e-003	126.3564
<b>Total</b>	<b>0.0677</b>	<b>1.8007</b>	<b>1.0073</b>	<b>9.6000e-003</b>	<b>0.4054</b>	<b>0.0122</b>	<b>0.4176</b>	<b>0.1098</b>	<b>0.0116</b>	<b>0.1214</b>		<b>1,079.2549</b>	<b>1,079.2549</b>	<b>0.0990</b>	<b>0.1557</b>	<b>1,128.1195</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3798	0.0000	1.3798	0.2089	0.0000	0.2089			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
<b>Total</b>	<b>1.4725</b>	<b>14.3184</b>	<b>13.4577</b>	<b>0.0241</b>	<b>1.3798</b>	<b>0.6766</b>	<b>2.0564</b>	<b>0.2089</b>	<b>0.6328</b>	<b>0.8417</b>	<b>0.0000</b>	<b>2,324.3959</b>	<b>2,324.3959</b>	<b>0.5893</b>		<b>2,339.1278</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0311	1.7772	0.6092	8.3700e-003	0.2483	0.0114	0.2597	0.0683	0.0110	0.0793		953.7646	953.7646	0.0962	0.1530	1,001.7632
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0366	0.0234	0.3981	1.2300e-003	0.1377	7.4000e-004	0.1385	0.0367	6.8000e-004	0.0374		125.4904	125.4904	2.7200e-003	2.6800e-003	126.3564
<b>Total</b>	<b>0.0677</b>	<b>1.8007</b>	<b>1.0073</b>	<b>9.6000e-003</b>	<b>0.3860</b>	<b>0.0122</b>	<b>0.3982</b>	<b>0.1050</b>	<b>0.0116</b>	<b>0.1166</b>		<b>1,079.2549</b>	<b>1,079.2549</b>	<b>0.0990</b>	<b>0.1557</b>	<b>1,128.1195</b>

**3.3 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2637	0.0000	6.2637	3.0038	0.0000	3.0038			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668		1,666.0573	1,666.0573	0.5388		1,679.5282
<b>Total</b>	<b>1.1339</b>	<b>12.4250</b>	<b>6.6420</b>	<b>0.0172</b>	<b>6.2637</b>	<b>0.5074</b>	<b>6.7711</b>	<b>3.0038</b>	<b>0.4668</b>	<b>3.4706</b>		<b>1,666.0573</b>	<b>1,666.0573</b>	<b>0.5388</b>		<b>1,679.5282</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0225	0.0144	0.2450	7.5000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		77.2248	77.2248	1.6800e-003	1.6500e-003	77.7578
<b>Total</b>	<b>0.0225</b>	<b>0.0144</b>	<b>0.2450</b>	<b>7.5000e-004</b>	<b>0.0894</b>	<b>4.6000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.2000e-004</b>	<b>0.0241</b>		<b>77.2248</b>	<b>77.2248</b>	<b>1.6800e-003</b>	<b>1.6500e-003</b>	<b>77.7578</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6777	0.0000	2.6777	1.2841	0.0000	1.2841			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668	0.0000	1,666.0573	1,666.0573	0.5388		1,679.5282
<b>Total</b>	<b>1.1339</b>	<b>12.4250</b>	<b>6.6420</b>	<b>0.0172</b>	<b>2.6777</b>	<b>0.5074</b>	<b>3.1851</b>	<b>1.2841</b>	<b>0.4668</b>	<b>1.7509</b>	<b>0.0000</b>	<b>1,666.0573</b>	<b>1,666.0573</b>	<b>0.5388</b>		<b>1,679.5282</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0225	0.0144	0.2450	7.5000e-004	0.0848	4.6000e-004	0.0852	0.0226	4.2000e-004	0.0230		77.2248	77.2248	1.6800e-003	1.6500e-003	77.7578
<b>Total</b>	<b>0.0225</b>	<b>0.0144</b>	<b>0.2450</b>	<b>7.5000e-004</b>	<b>0.0848</b>	<b>4.6000e-004</b>	<b>0.0852</b>	<b>0.0226</b>	<b>4.2000e-004</b>	<b>0.0230</b>		<b>77.2248</b>	<b>77.2248</b>	<b>1.6800e-003</b>	<b>1.6500e-003</b>	<b>77.7578</b>

**3.4 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>7.0826</b>	<b>0.6044</b>	<b>7.6869</b>	<b>3.4247</b>	<b>0.5560</b>	<b>3.9807</b>		<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1089	6.2299	2.1356	0.0293	0.9117	0.0401	0.9518	0.2497	0.0384	0.2880		3,343.3057	3,343.3057	0.3373	0.5363	3,511.5591
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0282	0.0180	0.3062	9.4000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		96.5311	96.5311	2.1000e-003	2.0600e-003	97.1972
<b>Total</b>	<b>0.1371</b>	<b>6.2479</b>	<b>2.4418</b>	<b>0.0303</b>	<b>1.0235</b>	<b>0.0407</b>	<b>1.0641</b>	<b>0.2793</b>	<b>0.0389</b>	<b>0.3182</b>		<b>3,439.8368</b>	<b>3,439.8368</b>	<b>0.3394</b>	<b>0.5384</b>	<b>3,608.7563</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>3.0278</b>	<b>0.6044</b>	<b>3.6322</b>	<b>1.4641</b>	<b>0.5560</b>	<b>2.0201</b>	<b>0.0000</b>	<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1089	6.2299	2.1356	0.0293	0.8702	0.0401	0.9103	0.2395	0.0384	0.2779		3,343.3057	3,343.3057	0.3373	0.5363	3,511.5591
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0282	0.0180	0.3062	9.4000e-004	0.1060	5.7000e-004	0.1065	0.0282	5.3000e-004	0.0287		96.5311	96.5311	2.1000e-003	2.0600e-003	97.1972
<b>Total</b>	<b>0.1371</b>	<b>6.2479</b>	<b>2.4418</b>	<b>0.0303</b>	<b>0.9762</b>	<b>0.0407</b>	<b>1.0168</b>	<b>0.2677</b>	<b>0.0389</b>	<b>0.3066</b>		<b>3,439.8368</b>	<b>3,439.8368</b>	<b>0.3394</b>	<b>0.5384</b>	<b>3,608.7563</b>

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6446</b>	<b>6.2357</b>	<b>8.8024</b>	<b>0.0136</b>		<b>0.3084</b>	<b>0.3084</b>		<b>0.2846</b>	<b>0.2846</b>		<b>1,297.6880</b>	<b>1,297.6880</b>	<b>0.4114</b>		<b>1,307.9725</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0366	0.0234	0.3981	1.2300e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		125.4904	125.4904	2.7200e-003	2.6800e-003	126.3564
<b>Total</b>	<b>0.0366</b>	<b>0.0234</b>	<b>0.3981</b>	<b>1.2300e-003</b>	<b>0.1453</b>	<b>7.4000e-004</b>	<b>0.1461</b>	<b>0.0385</b>	<b>6.8000e-004</b>	<b>0.0392</b>		<b>125.4904</b>	<b>125.4904</b>	<b>2.7200e-003</b>	<b>2.6800e-003</b>	<b>126.3564</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6446</b>	<b>6.2357</b>	<b>8.8024</b>	<b>0.0136</b>		<b>0.3084</b>	<b>0.3084</b>		<b>0.2846</b>	<b>0.2846</b>	<b>0.0000</b>	<b>1,297.6880</b>	<b>1,297.6880</b>	<b>0.4114</b>		<b>1,307.9725</b>



Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0366	0.0234	0.3981	1.2300e-003	0.1377	7.4000e-004	0.1385	0.0367	6.8000e-004	0.0374		125.4904	125.4904	2.7200e-003	2.6800e-003	126.3564
<b>Total</b>	<b>0.0366</b>	<b>0.0234</b>	<b>0.3981</b>	<b>1.2300e-003</b>	<b>0.1377</b>	<b>7.4000e-004</b>	<b>0.1385</b>	<b>0.0367</b>	<b>6.8000e-004</b>	<b>0.0374</b>		<b>125.4904</b>	<b>125.4904</b>	<b>2.7200e-003</b>	<b>2.6800e-003</b>	<b>126.3564</b>

**3.6 Building Construction - 2024**

**Unmitigated Construction On-Site**

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

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0478	1.6773	0.6923	8.4800e-003	0.3069	9.0300e-003	0.3160	0.0883	8.6400e-003	0.0970		933.0545	933.0545	0.0569	0.1345	974.5439
Worker	0.5510	0.3369	5.9365	0.0190	2.3250	0.0113	2.3363	0.6166	0.0104	0.6270		1,959.5432	1,959.5432	0.0395	0.0401	1,972.4704
<b>Total</b>	<b>0.5987</b>	<b>2.0142</b>	<b>6.6287</b>	<b>0.0275</b>	<b>2.6319</b>	<b>0.0203</b>	<b>2.6522</b>	<b>0.7049</b>	<b>0.0191</b>	<b>0.7240</b>		<b>2,892.5978</b>	<b>2,892.5978</b>	<b>0.0965</b>	<b>0.1745</b>	<b>2,947.0143</b>

**Mitigated Construction On-Site**

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

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0478	1.6773	0.6923	8.4800e-003	0.2938	9.0300e-003	0.3028	0.0851	8.6400e-003	0.0938		933.0545	933.0545	0.0569	0.1345	974.5439
Worker	0.5510	0.3369	5.9365	0.0190	2.2037	0.0113	2.2150	0.5868	0.0104	0.5972		1,959.5432	1,959.5432	0.0395	0.0401	1,972.4704
<b>Total</b>	<b>0.5987</b>	<b>2.0142</b>	<b>6.6287</b>	<b>0.0275</b>	<b>2.4975</b>	<b>0.0203</b>	<b>2.5178</b>	<b>0.6719</b>	<b>0.0191</b>	<b>0.6910</b>		<b>2,892.5978</b>	<b>2,892.5978</b>	<b>0.0965</b>	<b>0.1745</b>	<b>2,947.0143</b>

**3.6 Building Construction - 2025**

**Unmitigated Construction On-Site**

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

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	1.6690	0.6895	8.3100e-003	0.3069	9.0800e-003	0.3160	0.0883	8.6900e-003	0.0970		915.5868	915.5868	0.0577	0.1325	956.5106
Worker	0.5203	0.3053	5.5842	0.0184	2.3250	0.0108	2.3358	0.6166	9.9700e-003	0.6266		1,911.6260	1,911.6260	0.0359	0.0377	1,923.7553
<b>Total</b>	<b>0.5674</b>	<b>1.9743</b>	<b>6.2737</b>	<b>0.0267</b>	<b>2.6319</b>	<b>0.0199</b>	<b>2.6518</b>	<b>0.7049</b>	<b>0.0187</b>	<b>0.7236</b>		<b>2,827.2128</b>	<b>2,827.2128</b>	<b>0.0936</b>	<b>0.1702</b>	<b>2,880.2659</b>

**Mitigated Construction On-Site**

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

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0471	1.6690	0.6895	8.3100e-003	0.2938	9.0800e-003	0.3029	0.0851	8.6900e-003	0.0938		915.5868	915.5868	0.0577	0.1325	956.5106
Worker	0.5203	0.3053	5.5842	0.0184	2.2037	0.0108	2.2145	0.5868	9.9700e-003	0.5968		1,911.6260	1,911.6260	0.0359	0.0377	1,923.7553
<b>Total</b>	<b>0.5674</b>	<b>1.9743</b>	<b>6.2737</b>	<b>0.0267</b>	<b>2.4975</b>	<b>0.0199</b>	<b>2.5174</b>	<b>0.6719</b>	<b>0.0187</b>	<b>0.6906</b>		<b>2,827.2128</b>	<b>2,827.2128</b>	<b>0.0936</b>	<b>0.1702</b>	<b>2,880.2659</b>

**3.7 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.4960					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>19.6668</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1051	0.0617	1.1276	3.7000e-003	0.4695	2.1900e-003	0.4717	0.1245	2.0100e-003	0.1265		386.0014	386.0014	7.2500e-003	7.6100e-003	388.4506
<b>Total</b>	<b>0.1051</b>	<b>0.0617</b>	<b>1.1276</b>	<b>3.7000e-003</b>	<b>0.4695</b>	<b>2.1900e-003</b>	<b>0.4717</b>	<b>0.1245</b>	<b>2.0100e-003</b>	<b>0.1265</b>		<b>386.0014</b>	<b>386.0014</b>	<b>7.2500e-003</b>	<b>7.6100e-003</b>	<b>388.4506</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.4960					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>19.6668</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1051	0.0617	1.1276	3.7000e-003	0.4450	2.1900e-003	0.4472	0.1185	2.0100e-003	0.1205		386.0014	386.0014	7.2500e-003	7.6100e-003	388.4506
<b>Total</b>	<b>0.1051</b>	<b>0.0617</b>	<b>1.1276</b>	<b>3.7000e-003</b>	<b>0.4450</b>	<b>2.1900e-003</b>	<b>0.4472</b>	<b>0.1185</b>	<b>2.0100e-003</b>	<b>0.1205</b>		<b>386.0014</b>	<b>386.0014</b>	<b>7.2500e-003</b>	<b>7.6100e-003</b>	<b>388.4506</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.7641	2.7495	27.8600	0.0669	7.5640	0.0447	7.6087	2.0162	0.0416	2.0577		6,985.908 1	6,985.908 1	0.3930	0.2654	7,074.820 3
Unmitigated	2.7641	2.7495	27.8600	0.0669	7.5640	0.0447	7.6087	2.0162	0.0416	2.0577		6,985.908 1	6,985.908 1	0.3930	0.2654	7,074.820 3

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,049.92	947.63	789.37	3,410,611	3,410,611
City Park	0.24	0.61	0.68	1,026	1,026
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>1,050.16</b>	<b>948.24</b>	<b>790.05</b>	<b>3,411,636</b>	<b>3,411,636</b>

**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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
City Park	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801



Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Enclosed Parking with Elevator	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0636	0.5433	0.2312	3.4700e-003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
NaturalGas Unmitigated	0.0636	0.5433	0.2312	3.4700e-003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5895.55	0.0636	0.5433	0.2312	3.4700e-003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0636</b>	<b>0.5433</b>	<b>0.2312</b>	<b>3.4700e-003</b>		<b>0.0439</b>	<b>0.0439</b>		<b>0.0439</b>	<b>0.0439</b>		<b>693.5944</b>	<b>693.5944</b>	<b>0.0133</b>	<b>0.0127</b>	<b>697.7161</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.89555	0.0636	0.5433	0.2312	3.4700e-003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0636</b>	<b>0.5433</b>	<b>0.2312</b>	<b>3.4700e-003</b>		<b>0.0439</b>	<b>0.0439</b>		<b>0.0439</b>	<b>0.0439</b>		<b>693.5944</b>	<b>693.5944</b>	<b>0.0133</b>	<b>0.0127</b>	<b>697.7161</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.0140	2.9047	17.0812	0.0182		0.3083	0.3083		0.3083	0.3083	0.0000	3,502.7039	3,502.7039	0.0941	0.0637	3,524.0367
Unmitigated	6.0140	2.9047	17.0812	0.0182		0.3083	0.3083		0.3083	0.3083	0.0000	3,502.7039	3,502.7039	0.0941	0.0637	3,524.0367

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3185	2.7213	1.1580	0.0174		0.2200	0.2200		0.2200	0.2200	0.0000	3,474.0000	3,474.0000	0.0666	0.0637	3,494.6442
Landscaping	0.4791	0.1834	15.9232	8.4000e-004		0.0883	0.0883		0.0883	0.0883		28.7039	28.7039	0.0275		29.3925
<b>Total</b>	<b>6.0140</b>	<b>2.9047</b>	<b>17.0812</b>	<b>0.0182</b>		<b>0.3083</b>	<b>0.3083</b>		<b>0.3083</b>	<b>0.3083</b>	<b>0.0000</b>	<b>3,502.7039</b>	<b>3,502.7039</b>	<b>0.0941</b>	<b>0.0637</b>	<b>3,524.0367</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3185	2.7213	1.1580	0.0174		0.2200	0.2200		0.2200	0.2200	0.0000	3,474.0000	3,474.0000	0.0666	0.0637	3,494.6442
Landscaping	0.4791	0.1834	15.9232	8.4000e-004		0.0883	0.0883		0.0883	0.0883		28.7039	28.7039	0.0275		29.3925
<b>Total</b>	<b>6.0140</b>	<b>2.9047</b>	<b>17.0812</b>	<b>0.0182</b>		<b>0.3083</b>	<b>0.3083</b>		<b>0.3083</b>	<b>0.3083</b>	<b>0.0000</b>	<b>3,502.7039</b>	<b>3,502.7039</b>	<b>0.0941</b>	<b>0.0637</b>	<b>3,524.0367</b>

**7.0 Water Detail**

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**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 Irrigation System

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**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**

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Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Newport Beach, 1300 Bristol (CalEEMod)**

**Orange County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	151.87	1000sqft	0.66	151,869.00	0
City Park	0.31	Acre	0.31	13,503.60	0
Apartments Mid Rise	193.00	Dwelling Unit	1.00	239,394.00	552

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Per site plan
- Construction Phase - Anticipated construction schedule
- Demolition -
- Grading -
- Woodstoves - No wood burning per rule 445 SCAQMD
- Construction Off-road Equipment Mitigation - SCAQMD Rule Compliance
- Water Mitigation -

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	2.00	21.00
tblConstructionPhase	NumDays	4.00	87.00
tblConstructionPhase	NumDays	10.00	87.00
tblConstructionPhase	NumDays	200.00	364.00
tblConstructionPhase	NumDays	10.00	79.00
tblFireplaces	NumberWood	9.65	0.00
tblGrading	MaterialExported	0.00	46,000.00
tblLandUse	LandUseSquareFeet	151,870.00	151,869.00
tblLandUse	LandUseSquareFeet	193,000.00	239,394.00
tblLandUse	LotAcreage	3.49	0.66
tblLandUse	LotAcreage	5.08	1.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00

**2.0 Emissions Summary**

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Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5418	20.9823	14.4444	0.0509	8.1061	0.6889	8.7512	3.7040	0.6444	4.2991	0.0000	5,433.858 2	5,433.858 2	0.9845	0.5390	5,619.091 1
2024	2.0702	13.1859	18.7676	0.0486	2.6319	0.4710	3.1028	0.7049	0.4539	1.1588	0.0000	4,802.382 3	4,802.382 3	0.4307	0.1774	4,866.005 1
2025	21.7246	13.7048	21.2229	0.0544	3.1013	0.4661	3.5675	0.8294	0.4508	1.2802	0.0000	5,388.766 2	5,388.766 2	0.4441	0.1810	5,453.793 8
<b>Maximum</b>	<b>21.7246</b>	<b>20.9823</b>	<b>21.2229</b>	<b>0.0544</b>	<b>8.1061</b>	<b>0.6889</b>	<b>8.7512</b>	<b>3.7040</b>	<b>0.6444</b>	<b>4.2991</b>	<b>0.0000</b>	<b>5,433.858 2</b>	<b>5,433.858 2</b>	<b>0.9845</b>	<b>0.5390</b>	<b>5,619.091 1</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.5418	20.9823	14.4444	0.0509	4.0040	0.6889	4.6491	1.7318	0.6444	2.3268	0.0000	5,433.858 2	5,433.858 2	0.9845	0.5390	5,619.091 1
2024	2.0702	13.1859	18.7676	0.0486	2.4975	0.4710	2.9684	0.6719	0.4539	1.1258	0.0000	4,802.382 3	4,802.382 3	0.4307	0.1774	4,866.005 1
2025	21.7246	13.7048	21.2229	0.0544	2.9424	0.4661	3.4086	0.7904	0.4508	1.2412	0.0000	5,388.766 2	5,388.766 2	0.4441	0.1810	5,453.793 8
<b>Maximum</b>	<b>21.7246</b>	<b>20.9823</b>	<b>21.2229</b>	<b>0.0544</b>	<b>4.0040</b>	<b>0.6889</b>	<b>4.6491</b>	<b>1.7318</b>	<b>0.6444</b>	<b>2.3268</b>	<b>0.0000</b>	<b>5,433.858 2</b>	<b>5,433.858 2</b>	<b>0.9845</b>	<b>0.5390</b>	<b>5,619.091 1</b>



Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.0140	2.9047	17.0812	0.0182		0.3083	0.3083		0.3083	0.3083	0.0000	3,502.703 9	3,502.703 9	0.0941	0.0637	3,524.036 7
Energy	0.0636	0.5433	0.2312	3.4700e- 003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
Mobile	2.7448	2.9519	27.5603	0.0643	7.5640	0.0447	7.6087	2.0162	0.0416	2.0577		6,720.053 2	6,720.053 2	0.4051	0.2762	6,812.485 9
<b>Total</b>	<b>8.8223</b>	<b>6.3999</b>	<b>44.8726</b>	<b>0.0860</b>	<b>7.5640</b>	<b>0.3970</b>	<b>7.9610</b>	<b>2.0162</b>	<b>0.3938</b>	<b>2.4100</b>	<b>0.0000</b>	<b>10,916.35 15</b>	<b>10,916.35 15</b>	<b>0.5125</b>	<b>0.3526</b>	<b>11,034.23 87</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	6.0140	2.9047	17.0812	0.0182		0.3083	0.3083		0.3083	0.3083	0.0000	3,502.703 9	3,502.703 9	0.0941	0.0637	3,524.036 7
Energy	0.0636	0.5433	0.2312	3.4700e- 003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
Mobile	2.7448	2.9519	27.5603	0.0643	7.5640	0.0447	7.6087	2.0162	0.0416	2.0577		6,720.053 2	6,720.053 2	0.4051	0.2762	6,812.485 9
<b>Total</b>	<b>8.8223</b>	<b>6.3999</b>	<b>44.8726</b>	<b>0.0860</b>	<b>7.5640</b>	<b>0.3970</b>	<b>7.9610</b>	<b>2.0162</b>	<b>0.3938</b>	<b>2.4100</b>	<b>0.0000</b>	<b>10,916.35 15</b>	<b>10,916.35 15</b>	<b>0.5125</b>	<b>0.3526</b>	<b>11,034.23 87</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2023	4/1/2023	5	23	
2	Site Preparation	Site Preparation	4/2/2023	5/1/2023	5	21	
3	Grading	Grading	5/2/2023	8/30/2023	5	87	
4	Paving	Paving	8/31/2023	12/31/2023	5	87	
5	Building Construction	Building Construction	1/1/2024	5/22/2025	5	364	
6	Architectural Coating	Architectural Coating	2/1/2025	5/22/2025	5	79	

**Acres of Grading (Site Preparation Phase): 19.69**

**Acres of Grading (Grading Phase): 87**

**Acres of Paving: 0.66**

**Residential Indoor: 484,773; Residential Outdoor: 161,591; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,112 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

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

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	343.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	4,548.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	208.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	42.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2275	0.0000	3.2275	0.4887	0.0000	0.4887			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
<b>Total</b>	<b>1.4725</b>	<b>14.3184</b>	<b>13.4577</b>	<b>0.0241</b>	<b>3.2275</b>	<b>0.6766</b>	<b>3.9042</b>	<b>0.4887</b>	<b>0.6328</b>	<b>1.1215</b>		<b>2,324.3959</b>	<b>2,324.3959</b>	<b>0.5893</b>		<b>2,339.1278</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0293	1.8528	0.6159	8.3800e-003	0.2601	0.0115	0.2716	0.0712	0.0110	0.0822		954.6267	954.6267	0.0961	0.1531	1,002.6645
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0400	0.0257	0.3708	1.1700e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		119.4903	119.4903	2.7900e-003	2.8500e-003	120.4090
<b>Total</b>	<b>0.0693</b>	<b>1.8786</b>	<b>0.9867</b>	<b>9.5500e-003</b>	<b>0.4054</b>	<b>0.0122</b>	<b>0.4176</b>	<b>0.1098</b>	<b>0.0117</b>	<b>0.1214</b>		<b>1,074.1170</b>	<b>1,074.1170</b>	<b>0.0989</b>	<b>0.1560</b>	<b>1,123.0735</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3798	0.0000	1.3798	0.2089	0.0000	0.2089			0.0000			0.0000
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
<b>Total</b>	<b>1.4725</b>	<b>14.3184</b>	<b>13.4577</b>	<b>0.0241</b>	<b>1.3798</b>	<b>0.6766</b>	<b>2.0564</b>	<b>0.2089</b>	<b>0.6328</b>	<b>0.8417</b>	<b>0.0000</b>	<b>2,324.3959</b>	<b>2,324.3959</b>	<b>0.5893</b>		<b>2,339.1278</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0293	1.8528	0.6159	8.3800e-003	0.2483	0.0115	0.2597	0.0683	0.0110	0.0793		954.6267	954.6267	0.0961	0.1531	1,002.6645
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0400	0.0257	0.3708	1.1700e-003	0.1377	7.4000e-004	0.1385	0.0367	6.8000e-004	0.0374		119.4903	119.4903	2.7900e-003	2.8500e-003	120.4090
<b>Total</b>	<b>0.0693</b>	<b>1.8786</b>	<b>0.9867</b>	<b>9.5500e-003</b>	<b>0.3860</b>	<b>0.0122</b>	<b>0.3982</b>	<b>0.1050</b>	<b>0.0117</b>	<b>0.1167</b>		<b>1,074.1170</b>	<b>1,074.1170</b>	<b>0.0989</b>	<b>0.1560</b>	<b>1,123.0735</b>

**3.3 Site Preparation - 2023**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2637	0.0000	6.2637	3.0038	0.0000	3.0038			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668		1,666.0573	1,666.0573	0.5388		1,679.5282
<b>Total</b>	<b>1.1339</b>	<b>12.4250</b>	<b>6.6420</b>	<b>0.0172</b>	<b>6.2637</b>	<b>0.5074</b>	<b>6.7711</b>	<b>3.0038</b>	<b>0.4668</b>	<b>3.4706</b>		<b>1,666.0573</b>	<b>1,666.0573</b>	<b>0.5388</b>		<b>1,679.5282</b>



Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0246	0.0158	0.2282	7.2000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		73.5325	73.5325	1.7200e-003	1.7500e-003	74.0978
<b>Total</b>	<b>0.0246</b>	<b>0.0158</b>	<b>0.2282</b>	<b>7.2000e-004</b>	<b>0.0894</b>	<b>4.6000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.2000e-004</b>	<b>0.0241</b>		<b>73.5325</b>	<b>73.5325</b>	<b>1.7200e-003</b>	<b>1.7500e-003</b>	<b>74.0978</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.6777	0.0000	2.6777	1.2841	0.0000	1.2841			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668	0.0000	1,666.0573	1,666.0573	0.5388		1,679.5282
<b>Total</b>	<b>1.1339</b>	<b>12.4250</b>	<b>6.6420</b>	<b>0.0172</b>	<b>2.6777</b>	<b>0.5074</b>	<b>3.1851</b>	<b>1.2841</b>	<b>0.4668</b>	<b>1.7509</b>	<b>0.0000</b>	<b>1,666.0573</b>	<b>1,666.0573</b>	<b>0.5388</b>		<b>1,679.5282</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.3 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0246	0.0158	0.2282	7.2000e-004	0.0848	4.6000e-004	0.0852	0.0226	4.2000e-004	0.0230		73.5325	73.5325	1.7200e-003	1.7500e-003	74.0978
<b>Total</b>	<b>0.0246</b>	<b>0.0158</b>	<b>0.2282</b>	<b>7.2000e-004</b>	<b>0.0848</b>	<b>4.6000e-004</b>	<b>0.0852</b>	<b>0.0226</b>	<b>4.2000e-004</b>	<b>0.0230</b>		<b>73.5325</b>	<b>73.5325</b>	<b>1.7200e-003</b>	<b>1.7500e-003</b>	<b>74.0978</b>

**3.4 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>7.0826</b>	<b>0.6044</b>	<b>7.6869</b>	<b>3.4247</b>	<b>0.5560</b>	<b>3.9807</b>		<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1026	6.4949	2.1590	0.0294	0.9117	0.0402	0.9519	0.2497	0.0385	0.2881		3,346.3278	3,346.3278	0.3369	0.5368	3,514.7186
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0308	0.0198	0.2853	9.0000e-004	0.1118	5.7000e-004	0.1124	0.0296	5.3000e-004	0.0302		91.9157	91.9157	2.1500e-003	2.1900e-003	92.6223
<b>Total</b>	<b>0.1333</b>	<b>6.5147</b>	<b>2.4443</b>	<b>0.0303</b>	<b>1.0235</b>	<b>0.0408</b>	<b>1.0643</b>	<b>0.2793</b>	<b>0.0390</b>	<b>0.3183</b>		<b>3,438.2434</b>	<b>3,438.2434</b>	<b>0.3391</b>	<b>0.5390</b>	<b>3,607.3408</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.0278	0.0000	3.0278	1.4641	0.0000	1.4641			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>3.0278</b>	<b>0.6044</b>	<b>3.6322</b>	<b>1.4641</b>	<b>0.5560</b>	<b>2.0201</b>	<b>0.0000</b>	<b>1,995.6147</b>	<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.4 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1026	6.4949	2.1590	0.0294	0.8702	0.0402	0.9104	0.2395	0.0385	0.2780		3,346.3278	3,346.3278	0.3369	0.5368	3,514.7186
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0308	0.0198	0.2853	9.0000e-004	0.1060	5.7000e-004	0.1065	0.0282	5.3000e-004	0.0287		91.9157	91.9157	2.1500e-003	2.1900e-003	92.6223
<b>Total</b>	<b>0.1333</b>	<b>6.5147</b>	<b>2.4443</b>	<b>0.0303</b>	<b>0.9762</b>	<b>0.0408</b>	<b>1.0170</b>	<b>0.2677</b>	<b>0.0390</b>	<b>0.3067</b>		<b>3,438.2434</b>	<b>3,438.2434</b>	<b>0.3391</b>	<b>0.5390</b>	<b>3,607.3408</b>

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846		1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6446</b>	<b>6.2357</b>	<b>8.8024</b>	<b>0.0136</b>		<b>0.3084</b>	<b>0.3084</b>		<b>0.2846</b>	<b>0.2846</b>		<b>1,297.6880</b>	<b>1,297.6880</b>	<b>0.4114</b>		<b>1,307.9725</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0400	0.0257	0.3708	1.1700e-003	0.1453	7.4000e-004	0.1461	0.0385	6.8000e-004	0.0392		119.4903	119.4903	2.7900e-003	2.8500e-003	120.4090
<b>Total</b>	<b>0.0400</b>	<b>0.0257</b>	<b>0.3708</b>	<b>1.1700e-003</b>	<b>0.1453</b>	<b>7.4000e-004</b>	<b>0.1461</b>	<b>0.0385</b>	<b>6.8000e-004</b>	<b>0.0392</b>		<b>119.4903</b>	<b>119.4903</b>	<b>2.7900e-003</b>	<b>2.8500e-003</b>	<b>120.4090</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846	0.0000	1,297.6880	1,297.6880	0.4114		1,307.9725
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6446</b>	<b>6.2357</b>	<b>8.8024</b>	<b>0.0136</b>		<b>0.3084</b>	<b>0.3084</b>		<b>0.2846</b>	<b>0.2846</b>	<b>0.0000</b>	<b>1,297.6880</b>	<b>1,297.6880</b>	<b>0.4114</b>		<b>1,307.9725</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0400	0.0257	0.3708	1.1700e-003	0.1377	7.4000e-004	0.1385	0.0367	6.8000e-004	0.0374		119.4903	119.4903	2.7900e-003	2.8500e-003	120.4090
<b>Total</b>	<b>0.0400</b>	<b>0.0257</b>	<b>0.3708</b>	<b>1.1700e-003</b>	<b>0.1377</b>	<b>7.4000e-004</b>	<b>0.1385</b>	<b>0.0367</b>	<b>6.8000e-004</b>	<b>0.0374</b>		<b>119.4903</b>	<b>119.4903</b>	<b>2.7900e-003</b>	<b>2.8500e-003</b>	<b>120.4090</b>

**3.6 Building Construction - 2024**

Unmitigated Construction On-Site

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

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0461	1.7522	0.7141	8.4900e-003	0.3069	9.0800e-003	0.3160	0.0883	8.6900e-003	0.0970		934.4607	934.4607	0.0568	0.1348	976.0366
Worker	0.6042	0.3698	5.5363	0.0181	2.3250	0.0113	2.3363	0.6166	0.0104	0.6270		1,866.0001	1,866.0001	0.0405	0.0426	1,879.7122
<b>Total</b>	<b>0.6502</b>	<b>2.1221</b>	<b>6.2504</b>	<b>0.0266</b>	<b>2.6319</b>	<b>0.0204</b>	<b>2.6523</b>	<b>0.7049</b>	<b>0.0191</b>	<b>0.7240</b>		<b>2,800.4609</b>	<b>2,800.4609</b>	<b>0.0973</b>	<b>0.1774</b>	<b>2,855.7488</b>

**Mitigated Construction On-Site**

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

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0461	1.7522	0.7141	8.4900e-003	0.2938	9.0800e-003	0.3029	0.0851	8.6900e-003	0.0938		934.4607	934.4607	0.0568	0.1348	976.0366
Worker	0.6042	0.3698	5.5363	0.0181	2.2037	0.0113	2.2150	0.5868	0.0104	0.5972		1,866.0001	1,866.0001	0.0405	0.0426	1,879.7122
<b>Total</b>	<b>0.6502</b>	<b>2.1221</b>	<b>6.2504</b>	<b>0.0266</b>	<b>2.4975</b>	<b>0.0204</b>	<b>2.5179</b>	<b>0.6719</b>	<b>0.0191</b>	<b>0.6910</b>		<b>2,800.4609</b>	<b>2,800.4609</b>	<b>0.0973</b>	<b>0.1774</b>	<b>2,855.7488</b>

**3.6 Building Construction - 2025**

**Unmitigated Construction On-Site**

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



Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0454	1.7438	0.7108	8.3200e-003	0.3069	9.1300e-003	0.3160	0.0883	8.7300e-003	0.0971		916.9965	916.9965	0.0575	0.1328	958.0049
Worker	0.5723	0.3351	5.2113	0.0175	2.3250	0.0108	2.3358	0.6166	9.9700e-003	0.6266		1,820.5568	1,820.5568	0.0369	0.0401	1,833.4221
<b>Total</b>	<b>0.6176</b>	<b>2.0789</b>	<b>5.9221</b>	<b>0.0258</b>	<b>2.6319</b>	<b>0.0200</b>	<b>2.6518</b>	<b>0.7049</b>	<b>0.0187</b>	<b>0.7236</b>		<b>2,737.5533</b>	<b>2,737.5533</b>	<b>0.0944</b>	<b>0.1729</b>	<b>2,791.4270</b>

**Mitigated Construction On-Site**

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

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0454	1.7438	0.7108	8.3200e-003	0.2938	9.1300e-003	0.3029	0.0851	8.7300e-003	0.0938		916.9965	916.9965	0.0575	0.1328	958.0049
Worker	0.5723	0.3351	5.2113	0.0175	2.2037	0.0108	2.2145	0.5868	9.9700e-003	0.5968		1,820.5568	1,820.5568	0.0369	0.0401	1,833.4221
<b>Total</b>	<b>0.6176</b>	<b>2.0789</b>	<b>5.9221</b>	<b>0.0258</b>	<b>2.4975</b>	<b>0.0200</b>	<b>2.5174</b>	<b>0.6719</b>	<b>0.0187</b>	<b>0.6906</b>		<b>2,737.5533</b>	<b>2,737.5533</b>	<b>0.0944</b>	<b>0.1729</b>	<b>2,791.4270</b>

**3.7 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.4960					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>19.6668</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2025**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1156	0.0677	1.0523	3.5300e-003	0.4695	2.1900e-003	0.4717	0.1245	2.0100e-003	0.1265		367.6124	367.6124	7.4400e-003	8.0900e-003	370.2102
<b>Total</b>	<b>0.1156</b>	<b>0.0677</b>	<b>1.0523</b>	<b>3.5300e-003</b>	<b>0.4695</b>	<b>2.1900e-003</b>	<b>0.4717</b>	<b>0.1245</b>	<b>2.0100e-003</b>	<b>0.1265</b>		<b>367.6124</b>	<b>367.6124</b>	<b>7.4400e-003</b>	<b>8.0900e-003</b>	<b>370.2102</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	19.4960					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>19.6668</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2025**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1156	0.0677	1.0523	3.5300e-003	0.4450	2.1900e-003	0.4472	0.1185	2.0100e-003	0.1205		367.6124	367.6124	7.4400e-003	8.0900e-003	370.2102
<b>Total</b>	<b>0.1156</b>	<b>0.0677</b>	<b>1.0523</b>	<b>3.5300e-003</b>	<b>0.4450</b>	<b>2.1900e-003</b>	<b>0.4472</b>	<b>0.1185</b>	<b>2.0100e-003</b>	<b>0.1205</b>		<b>367.6124</b>	<b>367.6124</b>	<b>7.4400e-003</b>	<b>8.0900e-003</b>	<b>370.2102</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.7448	2.9519	27.5603	0.0643	7.5640	0.0447	7.6087	2.0162	0.0416	2.0577		6,720.0532	6,720.0532	0.4051	0.2762	6,812.4859
Unmitigated	2.7448	2.9519	27.5603	0.0643	7.5640	0.0447	7.6087	2.0162	0.0416	2.0577		6,720.0532	6,720.0532	0.4051	0.2762	6,812.4859

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,049.92	947.63	789.37	3,410,611	3,410,611
City Park	0.24	0.61	0.68	1,026	1,026
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>1,050.16</b>	<b>948.24</b>	<b>790.05</b>	<b>3,411,636</b>	<b>3,411,636</b>

**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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
City Park	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Enclosed Parking with Elevator	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0636	0.5433	0.2312	3.4700e-003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
NaturalGas Unmitigated	0.0636	0.5433	0.2312	3.4700e-003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5895.55	0.0636	0.5433	0.2312	3.4700e-003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0636</b>	<b>0.5433</b>	<b>0.2312</b>	<b>3.4700e-003</b>		<b>0.0439</b>	<b>0.0439</b>		<b>0.0439</b>	<b>0.0439</b>		<b>693.5944</b>	<b>693.5944</b>	<b>0.0133</b>	<b>0.0127</b>	<b>697.7161</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.89555	0.0636	0.5433	0.2312	3.4700e-003		0.0439	0.0439		0.0439	0.0439		693.5944	693.5944	0.0133	0.0127	697.7161
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0636</b>	<b>0.5433</b>	<b>0.2312</b>	<b>3.4700e-003</b>		<b>0.0439</b>	<b>0.0439</b>		<b>0.0439</b>	<b>0.0439</b>		<b>693.5944</b>	<b>693.5944</b>	<b>0.0133</b>	<b>0.0127</b>	<b>697.7161</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**



Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	6.0140	2.9047	17.0812	0.0182		0.3083	0.3083		0.3083	0.3083	0.0000	3,502.7039	3,502.7039	0.0941	0.0637	3,524.0367
Unmitigated	6.0140	2.9047	17.0812	0.0182		0.3083	0.3083		0.3083	0.3083	0.0000	3,502.7039	3,502.7039	0.0941	0.0637	3,524.0367

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3185	2.7213	1.1580	0.0174		0.2200	0.2200		0.2200	0.2200	0.0000	3,474.0000	3,474.0000	0.0666	0.0637	3,494.6442
Landscaping	0.4791	0.1834	15.9232	8.4000e-004		0.0883	0.0883		0.0883	0.0883		28.7039	28.7039	0.0275		29.3925
<b>Total</b>	<b>6.0140</b>	<b>2.9047</b>	<b>17.0812</b>	<b>0.0182</b>		<b>0.3083</b>	<b>0.3083</b>		<b>0.3083</b>	<b>0.3083</b>	<b>0.0000</b>	<b>3,502.7039</b>	<b>3,502.7039</b>	<b>0.0941</b>	<b>0.0637</b>	<b>3,524.0367</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4220					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7945					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.3185	2.7213	1.1580	0.0174		0.2200	0.2200		0.2200	0.2200	0.0000	3,474.0000	3,474.0000	0.0666	0.0637	3,494.6442
Landscaping	0.4791	0.1834	15.9232	8.4000e-004		0.0883	0.0883		0.0883	0.0883		28.7039	28.7039	0.0275		29.3925
<b>Total</b>	<b>6.0140</b>	<b>2.9047</b>	<b>17.0812</b>	<b>0.0182</b>		<b>0.3083</b>	<b>0.3083</b>		<b>0.3083</b>	<b>0.3083</b>	<b>0.0000</b>	<b>3,502.7039</b>	<b>3,502.7039</b>	<b>0.0941</b>	<b>0.0637</b>	<b>3,524.0367</b>

**7.0 Water Detail**

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**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 Irrigation System

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**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**

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Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**Newport Beach, 1300 Bristol (CalEEMod)**

**Orange County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	151.87	1000sqft	0.66	151,869.00	0
City Park	0.31	Acre	0.31	13,503.60	0
Apartments Mid Rise	193.00	Dwelling Unit	1.00	239,394.00	552

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	30
<b>Climate Zone</b>	8			<b>Operational Year</b>	2025
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	390.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use - Per site plan
- Construction Phase - Anticipated construction schedule
- Demolition -
- Grading -
- Woodstoves - No wood burning per rule 445 SCAQMD
- Construction Off-road Equipment Mitigation - SCAQMD Rule Compliance
- Water Mitigation -

## Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	CleanPavedRoadPercentReduction	0	6
tblConstDustMitigation	WaterUnpavedRoadMoistureContent	0	12
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	2.00	21.00
tblConstructionPhase	NumDays	4.00	87.00
tblConstructionPhase	NumDays	10.00	87.00
tblConstructionPhase	NumDays	200.00	364.00
tblConstructionPhase	NumDays	10.00	79.00
tblFireplaces	NumberWood	9.65	0.00
tblGrading	MaterialExported	0.00	46,000.00
tblLandUse	LandUseSquareFeet	151,870.00	151,869.00
tblLandUse	LandUseSquareFeet	193,000.00	239,394.00
tblLandUse	LotAcreage	3.49	0.66
tblLandUse	LotAcreage	5.08	1.00
tblWoodstoves	NumberCatalytic	9.65	0.00
tblWoodstoves	NumberNoncatalytic	9.65	0.00

**2.0 Emissions Summary**

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule 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					
2023	0.1233	1.5048	1.1224	3.4300e-003	0.4665	0.0548	0.5213	0.2013	0.0506	0.2519	0.0000	322.4500	322.4500	0.0675	0.0230	330.9979
2024	0.2646	1.7289	2.4733	6.4000e-003	0.3387	0.0617	0.4004	0.0909	0.0595	0.1503	0.0000	573.6236	573.6236	0.0512	0.0211	581.2016
2025	0.8776	0.6856	1.0557	2.7100e-003	0.1501	0.0232	0.1732	0.0402	0.0224	0.0626	0.0000	243.8244	243.8244	0.0203	8.3100e-003	246.8091
<b>Maximum</b>	<b>0.8776</b>	<b>1.7289</b>	<b>2.4733</b>	<b>6.4000e-003</b>	<b>0.4665</b>	<b>0.0617</b>	<b>0.5213</b>	<b>0.2013</b>	<b>0.0595</b>	<b>0.2519</b>	<b>0.0000</b>	<b>573.6236</b>	<b>573.6236</b>	<b>0.0675</b>	<b>0.0230</b>	<b>581.2016</b>

**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					
2023	0.1233	1.5048	1.1224	3.4300e-003	0.2286	0.0548	0.2834	0.0941	0.0506	0.1447	0.0000	322.4498	322.4498	0.0675	0.0230	330.9977
2024	0.2646	1.7289	2.4733	6.4000e-003	0.3215	0.0617	0.3832	0.0866	0.0595	0.1461	0.0000	573.6234	573.6234	0.0512	0.0211	581.2013
2025	0.8776	0.6856	1.0557	2.7100e-003	0.1424	0.0232	0.1656	0.0383	0.0224	0.0607	0.0000	243.8243	243.8243	0.0203	8.3100e-003	246.8090
<b>Maximum</b>	<b>0.8776</b>	<b>1.7289</b>	<b>2.4733</b>	<b>6.4000e-003</b>	<b>0.3215</b>	<b>0.0617</b>	<b>0.3832</b>	<b>0.0941</b>	<b>0.0595</b>	<b>0.1461</b>	<b>0.0000</b>	<b>573.6234</b>	<b>573.6234</b>	<b>0.0675</b>	<b>0.0230</b>	<b>581.2013</b>

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	27.51	0.00	24.00	34.10	0.01	24.38	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	3-1-2023	5-31-2023	0.5861	0.5861
2	6-1-2023	8-31-2023	0.7235	0.7235
3	9-1-2023	11-30-2023	0.2257	0.2257
4	12-1-2023	2-29-2024	0.4038	0.4038
5	3-1-2024	5-31-2024	0.4978	0.4978
6	6-1-2024	8-31-2024	0.4960	0.4960
7	9-1-2024	11-30-2024	0.4941	0.4941
8	12-1-2024	2-28-2025	0.6830	0.6830
9	3-1-2025	5-31-2025	1.0470	1.0470
		Highest	1.0470	1.0470

Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0159	0.0569	2.0049	3.2000e-004		0.0138	0.0138		0.0138	0.0138	0.0000	42.6495	42.6495	3.8800e-003	7.2000e-004	42.9617
Energy	0.0116	0.0992	0.0422	6.3000e-004		8.0200e-003	8.0200e-003		8.0200e-003	8.0200e-003	0.0000	392.5726	392.5726	0.0256	4.9500e-003	394.6878
Mobile	0.4647	0.5179	4.7979	0.0112	1.2852	7.7200e-003	1.2929	0.3431	7.1800e-003	0.3502	0.0000	1,064.4966	1,064.4966	0.0632	0.0436	1,079.0636
Waste						0.0000	0.0000		0.0000	0.0000	18.0276	0.0000	18.0276	1.0654	0.0000	44.6627
Water						0.0000	0.0000		0.0000	0.0000	3.9894	45.3852	49.3746	0.4136	0.0101	62.7356
<b>Total</b>	<b>1.4921</b>	<b>0.6740</b>	<b>6.8450</b>	<b>0.0122</b>	<b>1.2852</b>	<b>0.0295</b>	<b>1.3147</b>	<b>0.3431</b>	<b>0.0290</b>	<b>0.3720</b>	<b>22.0170</b>	<b>1,545.1039</b>	<b>1,567.1209</b>	<b>1.5717</b>	<b>0.0594</b>	<b>1,624.1113</b>



Newport Beach, 1300 Bristol (CalEEMod) - Orange County, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.0159	0.0569	2.0049	3.2000e-004		0.0138	0.0138		0.0138	0.0138	0.0000	42.6495	42.6495	3.8800e-003	7.2000e-004	42.9617
Energy	0.0116	0.0992	0.0422	6.3000e-004		8.0200e-003	8.0200e-003		8.0200e-003	8.0200e-003	0.0000	392.5726	392.5726	0.0256	4.9500e-003	394.6878
Mobile	0.4647	0.5179	4.7979	0.0112	1.2852	7.7200e-003	1.2929	0.3431	7.1800e-003	0.3502	0.0000	1,064.4966	1,064.4966	0.0632	0.0436	1,079.0636
Waste						0.0000	0.0000		0.0000	0.0000	18.0276	0.0000	18.0276	1.0654	0.0000	44.6627
Water						0.0000	0.0000		0.0000	0.0000	3.1915	38.5805	41.7720	0.3311	8.1300e-003	52.4725
<b>Total</b>	<b>1.4921</b>	<b>0.6740</b>	<b>6.8450</b>	<b>0.0122</b>	<b>1.2852</b>	<b>0.0295</b>	<b>1.3147</b>	<b>0.3431</b>	<b>0.0290</b>	<b>0.3720</b>	<b>21.2191</b>	<b>1,538.2991</b>	<b>1,559.5183</b>	<b>1.4892</b>	<b>0.0574</b>	<b>1,613.8482</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>3.62</b>	<b>0.44</b>	<b>0.49</b>	<b>5.25</b>	<b>3.38</b>	<b>0.63</b>

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2023	4/1/2023	5	23	
2	Site Preparation	Site Preparation	4/2/2023	5/1/2023	5	21	
3	Grading	Grading	5/2/2023	8/30/2023	5	87	

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4	Paving	Paving	8/31/2023	12/31/2023	5	87
5	Building Construction	Building Construction	1/1/2024	5/22/2025	5	364
6	Architectural Coating	Architectural Coating	2/1/2025	5/22/2025	5	79

**Acres of Grading (Site Preparation Phase): 19.69**

**Acres of Grading (Grading Phase): 87**

**Acres of Paving: 0.66**

**Residential Indoor: 484,773; Residential Outdoor: 161,591; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 9,112 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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

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Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	343.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	4,548.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	208.00	48.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	42.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.2 Demolition - 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					0.0371	0.0000	0.0371	5.6200e-003	0.0000	5.6200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1647	0.1548	2.8000e-004		7.7800e-003	7.7800e-003		7.2800e-003	7.2800e-003	0.0000	24.2496	24.2496	6.1500e-003	0.0000	24.4032
<b>Total</b>	<b>0.0169</b>	<b>0.1647</b>	<b>0.1548</b>	<b>2.8000e-004</b>	<b>0.0371</b>	<b>7.7800e-003</b>	<b>0.0449</b>	<b>5.6200e-003</b>	<b>7.2800e-003</b>	<b>0.0129</b>	<b>0.0000</b>	<b>24.2496</b>	<b>24.2496</b>	<b>6.1500e-003</b>	<b>0.0000</b>	<b>24.4032</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0215	7.0400e-003	1.0000e-004	2.9400e-003	1.3000e-004	3.0800e-003	8.1000e-004	1.3000e-004	9.3000e-004	0.0000	9.9540	9.9540	1.0000e-003	1.6000e-003	10.4550
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	4.3600e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.4000e-004	0.0000	1.2635	1.2635	3.0000e-005	3.0000e-005	1.2732
<b>Total</b>	<b>7.7000e-004</b>	<b>0.0218</b>	<b>0.0114</b>	<b>1.1000e-004</b>	<b>4.5800e-003</b>	<b>1.4000e-004</b>	<b>4.7300e-003</b>	<b>1.2500e-003</b>	<b>1.4000e-004</b>	<b>1.3700e-003</b>	<b>0.0000</b>	<b>11.2175</b>	<b>11.2175</b>	<b>1.0300e-003</b>	<b>1.6300e-003</b>	<b>11.7282</b>

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**3.2 Demolition - 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					0.0159	0.0000	0.0159	2.4000e-003	0.0000	2.4000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0169	0.1647	0.1548	2.8000e-004		7.7800e-003	7.7800e-003		7.2800e-003	7.2800e-003	0.0000	24.2495	24.2495	6.1500e-003	0.0000	24.4032
<b>Total</b>	<b>0.0169</b>	<b>0.1647</b>	<b>0.1548</b>	<b>2.8000e-004</b>	<b>0.0159</b>	<b>7.7800e-003</b>	<b>0.0237</b>	<b>2.4000e-003</b>	<b>7.2800e-003</b>	<b>9.6800e-003</b>	<b>0.0000</b>	<b>24.2495</b>	<b>24.2495</b>	<b>6.1500e-003</b>	<b>0.0000</b>	<b>24.4032</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.5000e-004	0.0215	7.0400e-003	1.0000e-004	2.8100e-003	1.3000e-004	2.9400e-003	7.7000e-004	1.3000e-004	9.0000e-004	0.0000	9.9540	9.9540	1.0000e-003	1.6000e-003	10.4550
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.0000e-004	4.3600e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5600e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.2635	1.2635	3.0000e-005	3.0000e-005	1.2732
<b>Total</b>	<b>7.7000e-004</b>	<b>0.0218</b>	<b>0.0114</b>	<b>1.1000e-004</b>	<b>4.3700e-003</b>	<b>1.4000e-004</b>	<b>4.5000e-003</b>	<b>1.1800e-003</b>	<b>1.4000e-004</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>11.2175</b>	<b>11.2175</b>	<b>1.0300e-003</b>	<b>1.6300e-003</b>	<b>11.7282</b>

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**3.3 Site Preparation - 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					0.0658	0.0000	0.0658	0.0315	0.0000	0.0315	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.1305	0.0697	1.8000e-004		5.3300e-003	5.3300e-003		4.9000e-003	4.9000e-003	0.0000	15.8699	15.8699	5.1300e-003	0.0000	15.9982
<b>Total</b>	<b>0.0119</b>	<b>0.1305</b>	<b>0.0697</b>	<b>1.8000e-004</b>	<b>0.0658</b>	<b>5.3300e-003</b>	<b>0.0711</b>	<b>0.0315</b>	<b>4.9000e-003</b>	<b>0.0364</b>	<b>0.0000</b>	<b>15.8699</b>	<b>15.8699</b>	<b>5.1300e-003</b>	<b>0.0000</b>	<b>15.9982</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.7000e-004	2.4500e-003	1.0000e-005	9.2000e-004	0.0000	9.3000e-004	2.4000e-004	0.0000	2.5000e-004	0.0000	0.7099	0.7099	2.0000e-005	2.0000e-005	0.7154
<b>Total</b>	<b>2.4000e-004</b>	<b>1.7000e-004</b>	<b>2.4500e-003</b>	<b>1.0000e-005</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>9.3000e-004</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>0.7099</b>	<b>0.7099</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7154</b>

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**3.3 Site Preparation - 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					0.0281	0.0000	0.0281	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.1305	0.0697	1.8000e-004		5.3300e-003	5.3300e-003		4.9000e-003	4.9000e-003	0.0000	15.8699	15.8699	5.1300e-003	0.0000	15.9982
<b>Total</b>	<b>0.0119</b>	<b>0.1305</b>	<b>0.0697</b>	<b>1.8000e-004</b>	<b>0.0281</b>	<b>5.3300e-003</b>	<b>0.0335</b>	<b>0.0135</b>	<b>4.9000e-003</b>	<b>0.0184</b>	<b>0.0000</b>	<b>15.8699</b>	<b>15.8699</b>	<b>5.1300e-003</b>	<b>0.0000</b>	<b>15.9982</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.7000e-004	2.4500e-003	1.0000e-005	8.7000e-004	0.0000	8.8000e-004	2.3000e-004	0.0000	2.4000e-004	0.0000	0.7099	0.7099	2.0000e-005	2.0000e-005	0.7154
<b>Total</b>	<b>2.4000e-004</b>	<b>1.7000e-004</b>	<b>2.4500e-003</b>	<b>1.0000e-005</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>8.8000e-004</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7099</b>	<b>0.7099</b>	<b>2.0000e-005</b>	<b>2.0000e-005</b>	<b>0.7154</b>

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**3.4 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3081	0.0000	0.3081	0.1490	0.0000	0.1490	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0580	0.6293	0.3786	9.0000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	78.7520	78.7520	0.0255	0.0000	79.3888
<b>Total</b>	<b>0.0580</b>	<b>0.6293</b>	<b>0.3786</b>	<b>9.0000e-004</b>	<b>0.3081</b>	<b>0.0263</b>	<b>0.3344</b>	<b>0.1490</b>	<b>0.0242</b>	<b>0.1732</b>	<b>0.0000</b>	<b>78.7520</b>	<b>78.7520</b>	<b>0.0255</b>	<b>0.0000</b>	<b>79.3888</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6200e-003	0.2851	0.0933	1.2800e-003	0.0390	1.7500e-003	0.0408	0.0107	1.6700e-003	0.0124	0.0000	131.9854	131.9854	0.0133	0.0212	138.6276
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2300e-003	8.8000e-004	0.0127	4.0000e-005	4.7800e-003	2.0000e-005	4.8000e-003	1.2700e-003	2.0000e-005	1.2900e-003	0.0000	3.6764	3.6764	8.0000e-005	9.0000e-005	3.7046
<b>Total</b>	<b>5.8500e-003</b>	<b>0.2860</b>	<b>0.1060</b>	<b>1.3200e-003</b>	<b>0.0438</b>	<b>1.7700e-003</b>	<b>0.0456</b>	<b>0.0120</b>	<b>1.6900e-003</b>	<b>0.0137</b>	<b>0.0000</b>	<b>135.6618</b>	<b>135.6618</b>	<b>0.0134</b>	<b>0.0213</b>	<b>142.3322</b>



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**3.4 Grading - 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					0.1317	0.0000	0.1317	0.0637	0.0000	0.0637	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0580	0.6293	0.3786	9.0000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	78.7519	78.7519	0.0255	0.0000	79.3887
<b>Total</b>	<b>0.0580</b>	<b>0.6293</b>	<b>0.3786</b>	<b>9.0000e-004</b>	<b>0.1317</b>	<b>0.0263</b>	<b>0.1580</b>	<b>0.0637</b>	<b>0.0242</b>	<b>0.0879</b>	<b>0.0000</b>	<b>78.7519</b>	<b>78.7519</b>	<b>0.0255</b>	<b>0.0000</b>	<b>79.3887</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.6200e-003	0.2851	0.0933	1.2800e-003	0.0373	1.7500e-003	0.0390	0.0103	1.6700e-003	0.0120	0.0000	131.9854	131.9854	0.0133	0.0212	138.6276
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2300e-003	8.8000e-004	0.0127	4.0000e-005	4.5300e-003	2.0000e-005	4.5500e-003	1.2100e-003	2.0000e-005	1.2300e-003	0.0000	3.6764	3.6764	8.0000e-005	9.0000e-005	3.7046
<b>Total</b>	<b>5.8500e-003</b>	<b>0.2860</b>	<b>0.1060</b>	<b>1.3200e-003</b>	<b>0.0418</b>	<b>1.7700e-003</b>	<b>0.0436</b>	<b>0.0115</b>	<b>1.6900e-003</b>	<b>0.0132</b>	<b>0.0000</b>	<b>135.6618</b>	<b>135.6618</b>	<b>0.0134</b>	<b>0.0213</b>	<b>142.3322</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0280	0.2713	0.3829	5.9000e-004		0.0134	0.0134		0.0124	0.0124	0.0000	51.2101	51.2101	0.0162	0.0000	51.6159
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0280</b>	<b>0.2713</b>	<b>0.3829</b>	<b>5.9000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0124</b>	<b>0.0124</b>	<b>0.0000</b>	<b>51.2101</b>	<b>51.2101</b>	<b>0.0162</b>	<b>0.0000</b>	<b>51.6159</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	1.1400e-003	0.0165	5.0000e-005	6.2100e-003	3.0000e-005	6.2400e-003	1.6500e-003	3.0000e-005	1.6800e-003	0.0000	4.7793	4.7793	1.1000e-004	1.1000e-004	4.8160
<b>Total</b>	<b>1.6000e-003</b>	<b>1.1400e-003</b>	<b>0.0165</b>	<b>5.0000e-005</b>	<b>6.2100e-003</b>	<b>3.0000e-005</b>	<b>6.2400e-003</b>	<b>1.6500e-003</b>	<b>3.0000e-005</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>4.7793</b>	<b>4.7793</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>4.8160</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.5 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0280	0.2713	0.3829	5.9000e-004		0.0134	0.0134		0.0124	0.0124	0.0000	51.2100	51.2100	0.0162	0.0000	51.6159
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0280</b>	<b>0.2713</b>	<b>0.3829</b>	<b>5.9000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0124</b>	<b>0.0124</b>	<b>0.0000</b>	<b>51.2100</b>	<b>51.2100</b>	<b>0.0162</b>	<b>0.0000</b>	<b>51.6159</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	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-003	1.1400e-003	0.0165	5.0000e-005	5.8900e-003	3.0000e-005	5.9200e-003	1.5700e-003	3.0000e-005	1.6000e-003	0.0000	4.7793	4.7793	1.1000e-004	1.1000e-004	4.8160
<b>Total</b>	<b>1.6000e-003</b>	<b>1.1400e-003</b>	<b>0.0165</b>	<b>5.0000e-005</b>	<b>5.8900e-003</b>	<b>3.0000e-005</b>	<b>5.9200e-003</b>	<b>1.5700e-003</b>	<b>3.0000e-005</b>	<b>1.6000e-003</b>	<b>0.0000</b>	<b>4.7793</b>	<b>4.7793</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>4.8160</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1860	1.4494	1.6398	2.8900e-003		0.0590	0.0590		0.0570	0.0570	0.0000	237.9108	237.9108	0.0396	0.0000	238.9013
<b>Total</b>	<b>0.1860</b>	<b>1.4494</b>	<b>1.6398</b>	<b>2.8900e-003</b>		<b>0.0590</b>	<b>0.0590</b>		<b>0.0570</b>	<b>0.0570</b>	<b>0.0000</b>	<b>237.9108</b>	<b>237.9108</b>	<b>0.0396</b>	<b>0.0000</b>	<b>238.9013</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1400e-003	0.2302	0.0920	1.1100e-003	0.0396	1.1900e-003	0.0408	0.0114	1.1300e-003	0.0126	0.0000	110.9557	110.9557	6.7600e-003	0.0160	115.8926
Worker	0.0725	0.0494	0.7415	2.4000e-003	0.2991	1.4800e-003	0.3006	0.0794	1.3600e-003	0.0808	0.0000	224.7572	224.7572	4.8100e-003	5.1400e-003	226.4077
<b>Total</b>	<b>0.0786</b>	<b>0.2796</b>	<b>0.8335</b>	<b>3.5100e-003</b>	<b>0.3388</b>	<b>2.6700e-003</b>	<b>0.3414</b>	<b>0.0909</b>	<b>2.4900e-003</b>	<b>0.0934</b>	<b>0.0000</b>	<b>335.7129</b>	<b>335.7129</b>	<b>0.0116</b>	<b>0.0211</b>	<b>342.3003</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1860	1.4494	1.6398	2.8900e-003		0.0590	0.0590		0.0570	0.0570	0.0000	237.9105	237.9105	0.0396	0.0000	238.9010
<b>Total</b>	<b>0.1860</b>	<b>1.4494</b>	<b>1.6398</b>	<b>2.8900e-003</b>		<b>0.0590</b>	<b>0.0590</b>		<b>0.0570</b>	<b>0.0570</b>	<b>0.0000</b>	<b>237.9105</b>	<b>237.9105</b>	<b>0.0396</b>	<b>0.0000</b>	<b>238.9010</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1400e-003	0.2302	0.0920	1.1100e-003	0.0379	1.1900e-003	0.0391	0.0110	1.1300e-003	0.0122	0.0000	110.9557	110.9557	6.7600e-003	0.0160	115.8926
Worker	0.0725	0.0494	0.7415	2.4000e-003	0.2836	1.4800e-003	0.2851	0.0756	1.3600e-003	0.0770	0.0000	224.7572	224.7572	4.8100e-003	5.1400e-003	226.4077
<b>Total</b>	<b>0.0786</b>	<b>0.2796</b>	<b>0.8335</b>	<b>3.5100e-003</b>	<b>0.3215</b>	<b>2.6700e-003</b>	<b>0.3242</b>	<b>0.0866</b>	<b>2.4900e-003</b>	<b>0.0891</b>	<b>0.0000</b>	<b>335.7129</b>	<b>335.7129</b>	<b>0.0116</b>	<b>0.0211</b>	<b>342.3003</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0676	0.5311	0.6344	1.1300e-003		0.0200	0.0200		0.0193	0.0193	0.0000	92.6324	92.6324	0.0151	0.0000	93.0105
<b>Total</b>	<b>0.0676</b>	<b>0.5311</b>	<b>0.6344</b>	<b>1.1300e-003</b>		<b>0.0200</b>	<b>0.0200</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>92.6324</b>	<b>92.6324</b>	<b>0.0151</b>	<b>0.0000</b>	<b>93.0105</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3600e-003	0.0892	0.0357	4.2000e-004	0.0154	4.6000e-004	0.0159	4.4500e-003	4.4000e-004	4.8900e-003	0.0000	42.3884	42.3884	2.6700e-003	6.1400e-003	44.2841
Worker	0.0267	0.0174	0.2717	9.0000e-004	0.1165	5.5000e-004	0.1170	0.0309	5.1000e-004	0.0314	0.0000	85.3675	85.3675	1.7000e-003	1.8800e-003	85.9703
<b>Total</b>	<b>0.0290</b>	<b>0.1066</b>	<b>0.3074</b>	<b>1.3200e-003</b>	<b>0.1319</b>	<b>1.0100e-003</b>	<b>0.1329</b>	<b>0.0354</b>	<b>9.5000e-004</b>	<b>0.0363</b>	<b>0.0000</b>	<b>127.7559</b>	<b>127.7559</b>	<b>4.3700e-003</b>	<b>8.0200e-003</b>	<b>130.2544</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.6 Building Construction - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0676	0.5311	0.6344	1.1300e-003		0.0200	0.0200		0.0193	0.0193	0.0000	92.6323	92.6323	0.0151	0.0000	93.0104
<b>Total</b>	<b>0.0676</b>	<b>0.5311</b>	<b>0.6344</b>	<b>1.1300e-003</b>		<b>0.0200</b>	<b>0.0200</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>92.6323</b>	<b>92.6323</b>	<b>0.0151</b>	<b>0.0000</b>	<b>93.0104</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.3600e-003	0.0892	0.0357	4.2000e-004	0.0148	4.6000e-004	0.0152	4.2900e-003	4.4000e-004	4.7300e-003	0.0000	42.3884	42.3884	2.6700e-003	6.1400e-003	44.2841
Worker	0.0267	0.0174	0.2717	9.0000e-004	0.1104	5.5000e-004	0.1110	0.0294	5.1000e-004	0.0300	0.0000	85.3675	85.3675	1.7000e-003	1.8800e-003	85.9703
<b>Total</b>	<b>0.0290</b>	<b>0.1066</b>	<b>0.3074</b>	<b>1.3200e-003</b>	<b>0.1252</b>	<b>1.0100e-003</b>	<b>0.1262</b>	<b>0.0337</b>	<b>9.5000e-004</b>	<b>0.0347</b>	<b>0.0000</b>	<b>127.7559</b>	<b>127.7559</b>	<b>4.3700e-003</b>	<b>8.0200e-003</b>	<b>130.2544</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2025**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.7701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0854	10.0854	5.5000e-004	0.0000	10.0991
<b>Total</b>	<b>0.7768</b>	<b>0.0453</b>	<b>0.0715</b>	<b>1.2000e-004</b>		<b>2.0300e-003</b>	<b>2.0300e-003</b>		<b>2.0300e-003</b>	<b>2.0300e-003</b>	<b>0.0000</b>	<b>10.0854</b>	<b>10.0854</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>10.0991</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1700e-003	2.7300e-003	0.0425	1.4000e-004	0.0182	9.0000e-005	0.0183	4.8400e-003	8.0000e-005	4.9200e-003	0.0000	13.3507	13.3507	2.7000e-004	2.9000e-004	13.4450
<b>Total</b>	<b>4.1700e-003</b>	<b>2.7300e-003</b>	<b>0.0425</b>	<b>1.4000e-004</b>	<b>0.0182</b>	<b>9.0000e-005</b>	<b>0.0183</b>	<b>4.8400e-003</b>	<b>8.0000e-005</b>	<b>4.9200e-003</b>	<b>0.0000</b>	<b>13.3507</b>	<b>13.3507</b>	<b>2.7000e-004</b>	<b>2.9000e-004</b>	<b>13.4450</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**3.7 Architectural Coating - 2025**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7701					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.7500e-003	0.0453	0.0715	1.2000e-004		2.0300e-003	2.0300e-003		2.0300e-003	2.0300e-003	0.0000	10.0853	10.0853	5.5000e-004	0.0000	10.0991
<b>Total</b>	<b>0.7768</b>	<b>0.0453</b>	<b>0.0715</b>	<b>1.2000e-004</b>		<b>2.0300e-003</b>	<b>2.0300e-003</b>		<b>2.0300e-003</b>	<b>2.0300e-003</b>	<b>0.0000</b>	<b>10.0853</b>	<b>10.0853</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>10.0991</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1700e-003	2.7300e-003	0.0425	1.4000e-004	0.0173	9.0000e-005	0.0174	4.6000e-003	8.0000e-005	4.6800e-003	0.0000	13.3507	13.3507	2.7000e-004	2.9000e-004	13.4450
<b>Total</b>	<b>4.1700e-003</b>	<b>2.7300e-003</b>	<b>0.0425</b>	<b>1.4000e-004</b>	<b>0.0173</b>	<b>9.0000e-005</b>	<b>0.0174</b>	<b>4.6000e-003</b>	<b>8.0000e-005</b>	<b>4.6800e-003</b>	<b>0.0000</b>	<b>13.3507</b>	<b>13.3507</b>	<b>2.7000e-004</b>	<b>2.9000e-004</b>	<b>13.4450</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.4647	0.5179	4.7979	0.0112	1.2852	7.7200e-003	1.2929	0.3431	7.1800e-003	0.3502	0.0000	1,064.4966	1,064.4966	0.0632	0.0436	1,079.0636
Unmitigated	0.4647	0.5179	4.7979	0.0112	1.2852	7.7200e-003	1.2929	0.3431	7.1800e-003	0.3502	0.0000	1,064.4966	1,064.4966	0.0632	0.0436	1,079.0636

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,049.92	947.63	789.37	3,410,611	3,410,611
City Park	0.24	0.61	0.68	1,026	1,026
Enclosed Parking with Elevator	0.00	0.00	0.00		
<b>Total</b>	<b>1,050.16</b>	<b>948.24</b>	<b>790.05</b>	<b>3,411,636</b>	<b>3,411,636</b>

**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
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
City Park	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801
Enclosed Parking with Elevator	0.547453	0.060181	0.185039	0.126487	0.024236	0.006679	0.014707	0.004926	0.000662	0.000378	0.024745	0.000705	0.003801

**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	277.7403	277.7403	0.0234	2.8400e-003	279.1731
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	277.7403	277.7403	0.0234	2.8400e-003	279.1731
NaturalGas Mitigated	0.0116	0.0992	0.0422	6.3000e-004		8.0200e-003	8.0200e-003		8.0200e-003	8.0200e-003	0.0000	114.8323	114.8323	2.2000e-003	2.1100e-003	115.5147
NaturalGas Unmitigated	0.0116	0.0992	0.0422	6.3000e-004		8.0200e-003	8.0200e-003		8.0200e-003	8.0200e-003	0.0000	114.8323	114.8323	2.2000e-003	2.1100e-003	115.5147

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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					
Apartments Mid Rise	2.15188e+006	0.0116	0.0992	0.0422	6.3000e-004		8.0200e-003	8.0200e-003		8.0200e-003	8.0200e-003	0.0000	114.8323	114.8323	2.2000e-003	2.1100e-003	115.5147
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0116</b>	<b>0.0992</b>	<b>0.0422</b>	<b>6.3000e-004</b>		<b>8.0200e-003</b>	<b>8.0200e-003</b>		<b>8.0200e-003</b>	<b>8.0200e-003</b>	<b>0.0000</b>	<b>114.8323</b>	<b>114.8323</b>	<b>2.2000e-003</b>	<b>2.1100e-003</b>	<b>115.5147</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.2 Energy by Land Use - NaturalGas**

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	2.15188e+006	0.0116	0.0992	0.0422	6.3000e-004		8.0200e-003	8.0200e-003		8.0200e-003	8.0200e-003	0.0000	114.8323	114.8323	2.2000e-003	2.1100e-003	115.5147
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0116</b>	<b>0.0992</b>	<b>0.0422</b>	<b>6.3000e-004</b>		<b>8.0200e-003</b>	<b>8.0200e-003</b>		<b>8.0200e-003</b>	<b>8.0200e-003</b>	<b>0.0000</b>	<b>114.8323</b>	<b>114.8323</b>	<b>2.2000e-003</b>	<b>2.1100e-003</b>	<b>115.5147</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	739929	131.2232	0.0111	1.3400e-003	131.9001
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	826167	146.5171	0.0124	1.5000e-003	147.2730
<b>Total</b>		<b>277.7403</b>	<b>0.0235</b>	<b>2.8400e-003</b>	<b>279.1731</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	739929	131.2232	0.0111	1.3400e-003	131.9001
City Park	0	0.0000	0.0000	0.0000	0.0000
Enclosed Parking with Elevator	826167	146.5171	0.0124	1.5000e-003	147.2730
<b>Total</b>		<b>277.7403</b>	<b>0.0235</b>	<b>2.8400e-003</b>	<b>279.1731</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0159	0.0569	2.0049	3.2000e-004		0.0138	0.0138		0.0138	0.0138	0.0000	42.6495	42.6495	3.8800e-003	7.2000e-004	42.9617
Unmitigated	1.0159	0.0569	2.0049	3.2000e-004		0.0138	0.0138		0.0138	0.0138	0.0000	42.6495	42.6495	3.8800e-003	7.2000e-004	42.9617

**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	0.0770					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8750					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.9800e-003	0.0340	0.0145	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	39.3945	39.3945	7.6000e-004	7.2000e-004	39.6286
Landscaping	0.0599	0.0229	1.9904	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2550	3.2550	3.1200e-003	0.0000	3.3331
<b>Total</b>	<b>1.0159</b>	<b>0.0569</b>	<b>2.0049</b>	<b>3.3000e-004</b>		<b>0.0138</b>	<b>0.0138</b>		<b>0.0138</b>	<b>0.0138</b>	<b>0.0000</b>	<b>42.6495</b>	<b>42.6495</b>	<b>3.8800e-003</b>	<b>7.2000e-004</b>	<b>42.9617</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**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	0.0770					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8750					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	3.9800e-003	0.0340	0.0145	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	39.3945	39.3945	7.6000e-004	7.2000e-004	39.6286
Landscaping	0.0599	0.0229	1.9904	1.1000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	3.2550	3.2550	3.1200e-003	0.0000	3.3331
<b>Total</b>	<b>1.0159</b>	<b>0.0569</b>	<b>2.0049</b>	<b>3.3000e-004</b>		<b>0.0138</b>	<b>0.0138</b>		<b>0.0138</b>	<b>0.0138</b>	<b>0.0000</b>	<b>42.6495</b>	<b>42.6495</b>	<b>3.8800e-003</b>	<b>7.2000e-004</b>	<b>42.9617</b>

**7.0 Water Detail**

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**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 Irrigation System

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	41.7720	0.3311	8.1300e-003	52.4725
Unmitigated	49.3746	0.4136	0.0101	62.7356

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.5747 / 7.92755	48.6469	0.4135	0.0101	62.0041
City Park	0 / 0.369359	0.7278	6.0000e-005	1.0000e-005	0.7315
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>49.3746</b>	<b>0.4136</b>	<b>0.0101</b>	<b>62.7356</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	10.0598 / 7.44396	41.0886	0.3310	8.1300e-003	51.7856
City Park	0 / 0.346828	0.6834	6.0000e-005	1.0000e-005	0.6869
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>41.7720</b>	<b>0.3311</b>	<b>8.1400e-003</b>	<b>52.4725</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.0276	1.0654	0.0000	44.6627
Unmitigated	18.0276	1.0654	0.0000	44.6627

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	88.78	18.0215	1.0650	0.0000	44.6476
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>18.0276</b>	<b>1.0654</b>	<b>0.0000</b>	<b>44.6627</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**8.2 Waste by Land Use**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	88.78	18.0215	1.0650	0.0000	44.6476
City Park	0.03	6.0900e-003	3.6000e-004	0.0000	0.0151
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>18.0276</b>	<b>1.0654</b>	<b>0.0000</b>	<b>44.6627</b>

**9.0 Operational Offroad**

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**

**11.0 Vegetation**

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**Construction Fuel Consumption**

On-Site Diesel <sup>1</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	Current County Fuel	Percent
Demolition	24	2,404		
Site Preparation/Grading	95	9,360		
Building Construction	332	32,709		
Paving	52	5,123		
Architectural Coating	10	985		
<b>Total</b>	<b>513</b>	<b>50,581</b>	<b>144,020,787</b>	<b>0.0351%</b>

Off-Site Diesel <sup>1</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	Current County Fuel	Percent
Demolition	10	1,030		
Site Preparation/Grading	139	13,695		
Building Construction	160	15,764		
Paving	0	0		
Architectural Coating	0	0		
<b>Total</b>	<b>309</b>	<b>30,488</b>	<b>144,020,787</b>	<b>0.0212%</b>

Off-Site Gasoline <sup>2</sup>	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	Current County Fuel	Percent
Demolition	1	144		
Site Preparation/Grading	4	454		
Building Construction	312	35,414		
Paving	5	568		
Architectural Coating	13	1,476		
<b>Total</b>	<b>335</b>	<b>38,056</b>	<b>1,180,213,295</b>	<b>0.0032%</b>

Total Diesel Fuel		81,069	144,020,787	0.0563%
Total Gasoline Fuel		38,056	1,180,213,295	0.0032%
<b>Total Construction Fuel</b>	<b>1,158</b>	<b>119,125</b>		

Construction Phase <sup>3</sup>	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2023	24	10	1	16	0	0	79	139	4
2024									
2025									
<b>Total</b>	<b>24</b>	<b>10</b>	<b>1</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>79</b>	<b>139</b>	<b>4</b>

Construction Phase <sup>3</sup>	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2023				52	0	5			
2024	239	116	226						
2025	93	44	86				10	0	13
2026									
<b>Total</b>	<b>332</b>	<b>160</b>	<b>312</b>	<b>52</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>0</b>	<b>13</b>

Notes:

<sup>1</sup> Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

<sup>2</sup> Fuel used for worker trips assumed to be gasoline.

<sup>3</sup> MTCO<sub>2</sub>e rates from CalEEMod (3.0 Construction Details).

<sup>4</sup> For CO<sub>2</sub>e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

**Construction Water Energy**

Daily Soil Disturbance <sup>1</sup>	2	acres
Days of Soil Disturbance <sup>2</sup>	108	days
Water Concentration <sup>3</sup>	3,020	gallons/acre
Water Energy Intensity <sup>4</sup>	11,110	kWh/MG
Total Construction Water	0.65	million gallons
Construction Water Energy	7,247	kWh
	0.0072	GWh

## Notes:

<sup>1</sup> Total daily acres disturbed from offroad equipment per CalEEMod (3.0 Construction Detail) and maximum SCAQMD LST values for soil-disturbing equipment.

<sup>2</sup> Number of days of construction with soil-disturbing equipment per CalEEMod (3.0 Construction Detail).

<sup>3</sup> Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

<sup>4</sup> Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343.



**Operational Fuel**

Vehicle Type	Percent <sup>1</sup>	Annual VMT <sup>2</sup>	MPG <sup>3</sup>	Annual Fuel (Gallons)	Fuel Type	Orange Gallons <sup>4</sup>	Orange Percent	
Passenger Cars	0.95	3,240,080	21.6	150,004	Gas	1,180,213,295	0.0127%	0.0069%
Light/Medium Trucks	0.05	170,531	17.2	9,915	Diesel	144,020,787	0.0069%	
Heavy Trucks/Other	0.00	0	6.1	0	Diesel	144,020,787	0.0000%	
Total	1.00	3,410,611		159,918		1,324,234,082		

Land Use <sup>5</sup>	LDA	LDT1	LDT2	MCY	MDV	LHD1	LHD2	MHD	OBUS	UBUS	SBUS	MH	HHD
Apartments Mid Rise	0.54745	0.06018	0.18504	0.02475	0.12649	0.024236	0.006679	0.014707	0.000662	0.000378	0.000705	0.003801	0.004926
City Park	0.54745	0.06018	0.18504	0.02475	0.12649	0.024236	0.006679	0.014707	0.000662	0.000378	0.000705	0.003801	0.004926
Parking	0.54745	0.06018	0.18504	0.02475	0.12649	0.024236	0.006679	0.014707	0.000662	0.000378	0.000705	0.003801	0.004926

Notes:

- <sup>1</sup> Percent of vehicle trip distribution based on fleet mix from CalEEMod (4.4 Fleet Mix).
- <sup>2</sup> Total annual operational VMT based on mitigated annual VMT from CalEEMod (4.2 Trip Summary Information).
- <sup>3</sup> Average fuel economy derived from Department of Transportation.
- <sup>4</sup> Total annual county fuel per EMFAC 2017 model of projected operational fuel usage.

**Operational Water Energy**

Mitigated Indoor	10.0	million gallons
Indoor Energy Intensity Factor <sup>1</sup>	5,411	kWh/MG
Mitigated Outdoor	7	million gallons
Outdoor Energy Intensity Factor <sup>2</sup>	11,110	kWh/MG
Operational Water Energy	131,880	kWh

Land Use <sup>3</sup>	Unmitigated (MG)		Mitigated (MG)	
	Indoor	Outdoor	Indoor	Outdoor
Apartment Mid Rise	13	8	10	7
City Park	0	0	0	0
Parking	0	0	0	0
<b>Total Operational Water</b>	<b>13</b>	<b>8</b>	<b>10</b>	<b>7</b>

Notes:

<sup>1</sup> Indoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343. Factor includes supply, treatment, distribution, and wastewater.

<sup>2</sup> Outdoor water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343. Factor includes supply, treatment, and distribution.

<sup>3</sup> Operational water use values per CalEEMod (7.2 Water by Land Use).

**Electricity/Natural Gas Energy**

	Mitigated Project Annual Energy	Orange County Annual Energy <sup>3</sup>	Percentage Increase
Electricity (kWh/yr)	1,566,096	20,196,974,897	0.0078%
Natural Gas (kBTU/yr)	2,151,880	57,500,000,000	0.0037%
Natural Gas (therms/yr)	21,519	575,000,000	0.0037%

Land Use	Electricity <sup>1</sup> (kWh/yr)		Natural Gas <sup>2</sup> (kBTU/yr)	
	Unmitigated	Mitigated	Unmitigated	Mitigated
Apartment Mid Rise	739,929	739,929	2,151,880	2,151,880
City Park	0	0	0	0
Parking	826,167	826,167	0	0
<b>Total Energy</b>	<b>1,566,096</b>	<b>1,566,096</b>	<b>2,151,880</b>	<b>2,151,880</b>

Notes:

<sup>1</sup> Electricity use per CalEEMod (5.3 Energy by Land Use).

<sup>2</sup> Natural Gas use per CalEEMod (5.2 Natural Gas by Land Use).

<sup>3</sup> County total energy values from California Energy Commission energy reports available through [ecdms.energy.ca.gov](http://ecdms.energy.ca.gov).