

Appendix A
Air Quality Conformity Assessment

Breeze Townhomes - San Diego County, Annual

Breeze Townhomes
San Diego County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	34.00	Dwelling Unit	2.13	68,218.00	97
Parking Lot	10.00	Space	0.09	4,000.00	0
Other Asphalt Surfaces	14.00	1000sqft	0.32	14,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2022

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr)	509.15	CH4 Intensity (lb/MW/hr)	0.02	N2O Intensity (lb/MW/hr)	0.004
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1.3 User Entered Comments & Non-Default Data

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Project Characteristics - SDG&E intensity factors adjusted for RPS goal in 2022

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant

Grading - Data provided by applicant.

Architectural Coating - Data provided by applicant, use of low-VOC architectural coatings.

Vehicle Trips - Data provided by traffic study.

Woodstoves - Project would not include woodburning or NG fireplaces.

Area Coating - Data provided by applicant.

Energy Use -

Construction Off-road Equipment Mitigation - SDAPCD Rule 55 fugitive dust control measures.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	31.00
tblConstructionPhase	NumDays	220.00	300.00
tblConstructionPhase	NumDays	6.00	20.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	10.00
tblConstructionPhase	PhaseEndDate	1/11/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	12/14/2020	4/22/2021
tblConstructionPhase	PhaseEndDate	2/10/2020	2/28/2020
tblConstructionPhase	PhaseEndDate	12/28/2020	5/19/2021
tblConstructionPhase	PhaseEndDate	1/31/2020	2/11/2020

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tblConstructionPhase	PhaseStartDate	12/29/2020	5/19/2021
tblConstructionPhase	PhaseStartDate	2/11/2020	2/28/2020
tblConstructionPhase	PhaseStartDate	12/15/2020	4/22/2021
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	18.70	0.00
tblFireplaces	NumberNoFireplace	3.40	34.00
tblFireplaces	NumberWood	11.90	0.00
tblGrading	AcresOfGrading	10.00	2.13
tblGrading	AcresOfGrading	15.00	0.00
tblGrading	MaterialExported	0.00	1,850.00
tblLandUse	LandUseSquareFeet	34,000.00	68,218.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	720.49	509.15
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	5.67	7.81
tblVehicleTrips	SU_TR	4.84	6.66
tblVehicleTrips	WD_TR	5.81	8.00
tblWoodstoves	NumberCatalytic	1.70	0.00
tblWoodstoves	NumberNoncatalytic	1.70	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2020	3-31-2020	0.6196	0.6196
2	4-1-2020	6-30-2020	0.6738	0.6738
3	7-1-2020	9-30-2020	0.6812	0.6812
4	10-1-2020	12-31-2020	0.6821	0.6821
5	1-1-2021	3-31-2021	0.6111	0.6111
6	4-1-2021	6-30-2021	0.3700	0.3700
		Highest	0.6821	0.6821

2.2 Overall Operational

Unmitigated Operational

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.2828	2.9200e-003	0.2530	1.0000e-005	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	0.0000	0.4128	0.4128	4.0000e-004	0.0000	0.4228
Energy	2.6400e-003	0.0225	9.5900e-003	1.4000e-004	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	0.0000	65.8632	65.8632	2.0600e-003	7.9000e-004	66.1505
Mobile	0.0754	0.3375	0.9114	3.2100e-003	0.2847	2.6900e-003	0.2874	0.0762	2.5100e-003	0.0787	0.0000	296.4528	296.4528	0.0154	0.0000	296.8375
Waste						0.0000	0.0000		0.0000	0.0000	3.1748	0.0000	3.1748	0.1876	0.0000	7.8654
Water						0.0000	0.0000		0.0000	0.0000	0.7028	10.2449	10.9477	0.0726	1.7800e-003	13.2942
Total	0.3609	0.3630	1.1739	3.3600e-003	0.2847	5.9100e-003	0.2906	0.0762	5.7300e-003	0.0820	3.8776	372.9737	376.8513	0.2781	2.5700e-003	384.5703

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2.2 Overall Operational

Mitigated Operational

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Area	0.2828	2.9200e-003	0.2530	1.0000e-005	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	0.0000	0.4128	0.4128	4.0000e-004	0.0000	0.4228
Energy	2.6400e-003	0.0225	9.5900e-003	1.4000e-004	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	0.0000	65.8632	65.8632	2.0600e-003	7.9000e-004	66.1505
Mobile	0.0754	0.3375	0.9114	3.2100e-003	0.2847	2.6900e-003	0.2874	0.0762	2.5100e-003	0.0787	0.0000	296.4528	296.4528	0.0154	0.0000	296.8375
Waste						0.0000	0.0000		0.0000	0.0000	3.1748	0.0000	3.1748	0.1876	0.0000	7.8654
Water						0.0000	0.0000		0.0000	0.0000	0.7028	10.2449	10.9477	0.0726	1.7800e-003	13.2942
Total	0.3609	0.3630	1.1739	3.3600e-003	0.2847	5.9100e-003	0.2906	0.0762	5.7300e-003	0.0820	3.8776	372.9737	376.8513	0.2781	2.5700e-003	384.5703

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
2	Grading	Grading	2/11/2020	2/28/2020	5	20	
3	Building Construction	Building Construction	2/28/2020	4/22/2021	5	300	
4	Paving	Paving	4/22/2021	5/19/2021	5	20	
5	Architectural Coating	Architectural Coating	5/19/2021	6/30/2021	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.13

Acres of Paving: 0.41

Residential Indoor: 138,141; Residential Outdoor: 46,047; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,080 (Architectural Coating – sqft)

OffRoad Equipment

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	231.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	32.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2600e-003	0.0996	0.0563	1.2000e-004	3.8900e-003	3.8900e-003	3.8900e-003	3.5700e-003	3.5700e-003	3.5700e-003	0.0000	10.7633	10.7633	3.4800e-003	0.0000	10.8504
Total	8.2600e-003	0.0996	0.0563	1.2000e-004	0.0000	3.8900e-003	3.8900e-003	0.0000	3.5700e-003	3.5700e-003	0.0000	10.7633	10.7633	3.4800e-003	0.0000	10.8504

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3.2 Site Preparation - 2020
Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.5000e-004	1.1000e-004	1.0700e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2900	0.2900	1.0000e-005	0.0000	0.2902
Total	1.5000e-004	1.1000e-004	1.0700e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2900	0.2900	1.0000e-005	0.0000	0.2902

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.2600e-003	0.0996	0.0563	1.2000e-004	3.8900e-003	3.8900e-003	3.8900e-003	3.5700e-003	3.5700e-003	3.5700e-003	0.0000	10.7633	10.7633	3.4800e-003	0.0000	10.8503
Total	8.2600e-003	0.0996	0.0563	1.2000e-004	0.0000	3.8900e-003	3.8900e-003	3.5700e-003	3.5700e-003	3.5700e-003	0.0000	10.7633	10.7633	3.4800e-003	0.0000	10.8503

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3.2 Site Preparation - 2020

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	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	1.5000e-004	1.1000e-004	1.0700e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2900	0.2900	1.0000e-005	0.0000	0.2902
Total	1.5000e-004	1.1000e-004	1.0700e-003	0.0000	3.2000e-004	0.0000	3.2000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2900	0.2900	1.0000e-005	0.0000	0.2902

3.3 Grading - 2020

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.0615	0.0000	0.0615	0.0332	0.0000	0.0332	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0192	0.2134	0.0994	2.1000e-004	9.9000e-003	9.9000e-003	9.9000e-003	9.1100e-003	9.1100e-003	9.1100e-003	0.0000	18.1111	18.1111	5.8600e-003	0.0000	18.2575
Total	0.0192	0.2134	0.0994	2.1000e-004	0.0615	9.9000e-003	0.0714	0.0332	9.1100e-003	0.0424	0.0000	18.1111	18.1111	5.8600e-003	0.0000	18.2575

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3.3 Grading - 2020
Unmitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	9.2000e-004	0.0329	7.5200e-003	9.0000e-005	1.9800e-003	1.0000e-004	2.0800e-003	5.4000e-004	1.0000e-004	6.4000e-004	0.0000	8.9079	8.9079	8.0000e-004	0.0000	8.9280
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.7000e-004	2.6800e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.1000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7254
Total	1.2900e-003	0.0331	0.0102	1.0000e-004	2.7800e-003	1.1000e-004	2.8900e-003	7.5000e-004	1.1000e-004	8.6000e-004	0.0000	9.6328	9.6328	8.2000e-004	0.0000	9.6534

Mitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					0.0240	0.0000	0.0240	0.0130	0.0000	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0192	0.2134	0.0994	2.1000e-004	9.9000e-003	9.9000e-003	9.9000e-003	9.1100e-003	9.1100e-003	9.1100e-003	0.0000	18.1111	18.1111	5.8600e-003	0.0000	18.2575
Total	0.0192	0.2134	0.0994	2.1000e-004	0.0240	9.9000e-003	0.0339	0.0130	9.1100e-003	0.0221	0.0000	18.1111	18.1111	5.8600e-003	0.0000	18.2575

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3.3 Grading - 2020

Mitigated Construction Off-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	9.2000e-004	0.0329	7.5200e-003	9.0000e-005	1.9800e-003	1.0000e-004	2.0800e-003	5.4000e-004	1.0000e-004	6.4000e-004	0.0000	8.9079	8.9079	8.0000e-004	0.0000	8.9280
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.7000e-004	2.6800e-003	1.0000e-005	8.0000e-004	1.0000e-005	8.1000e-004	2.1000e-004	1.0000e-005	2.2000e-004	0.0000	0.7249	0.7249	2.0000e-005	0.0000	0.7254
Total	1.2900e-003	0.0331	0.0102	1.0000e-004	2.7800e-003	1.1000e-004	2.8900e-003	7.5000e-004	1.1000e-004	8.6000e-004	0.0000	9.6328	9.6328	8.2000e-004	0.0000	9.6534

3.4 Building Construction - 2020

Unmitigated Construction On-Site

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.2517	1.9177	1.6387	2.7500e-003		0.1043	0.1043		0.1000	0.1000	0.0000	228.4088	228.4088	0.0464	0.0000	229.5678
Total	0.2517	1.9177	1.6387	2.7500e-003		0.1043	0.1043	0.1000	0.1000	0.1000	0.0000	228.4088	228.4088	0.0464	0.0000	229.5678

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3.4 Building Construction - 2020

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9300e-003	0.0878	0.0233	2.1000e-004	5.1100e-003	4.3000e-004	5.5400e-003	1.4800e-003	4.1000e-004	1.8900e-003	0.0000	20.3173	20.3173	1.5600e-003	0.0000	20.3563	
Worker	0.0130	9.6100e-003	0.0942	2.8000e-004	0.0282	2.0000e-004	0.0284	7.5000e-003	1.9000e-004	7.6900e-003	0.0000	25.5156	25.5156	7.7000e-004	0.0000	25.5348	
Total	0.0159	0.0974	0.1175	4.9000e-004	0.0333	6.3000e-004	0.0340	8.9800e-003	6.0000e-004	9.5800e-003	0.0000	45.8330	45.8330	2.3300e-003	0.0000	45.8910	

Mitigated Construction On-Site

Category	tons/yr										MT/yr						
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	0.2517	1.9177	1.6387	2.7500e-003		0.1043	0.1043		0.1000	0.1000	0.0000	228.4086	228.4086	0.0464	0.0000	229.5675	
Total	0.2517	1.9177	1.6387	2.7500e-003		0.1043	0.1043		0.1000	0.1000	0.0000	228.4086	228.4086	0.0464	0.0000	229.5675	

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3.4 Building Construction - 2020

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9300e-003	0.0878	0.0233	2.1000e-004	5.1100e-003	4.3000e-004	5.5400e-003	1.4800e-003	4.1000e-004	1.8900e-003	0.0000	20.3173	20.3173	1.5600e-003	0.0000	20.3563
Worker	0.0130	9.6100e-003	0.0942	2.8000e-004	0.0282	2.0000e-004	0.0284	7.5000e-003	1.9000e-004	7.6900e-003	0.0000	25.5156	25.5156	7.7000e-004	0.0000	25.5348
Total	0.0159	0.0974	0.1175	4.9000e-004	0.0333	6.3000e-004	0.0340	8.9800e-003	6.0000e-004	9.5800e-003	0.0000	45.8330	45.8330	2.3300e-003	0.0000	45.8910

3.4 Building Construction - 2021

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0818	0.6411	0.5825	1.0000e-003		0.0327	0.0327	0.0313	0.0313	0.0313	0.0000	83.0595	83.0595	0.0163	0.0000	83.4680
Total	0.0818	0.6411	0.5825	1.0000e-003		0.0327	0.0327	0.0313	0.0313	0.0313	0.0000	83.0595	83.0595	0.0163	0.0000	83.4680

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3.4 Building Construction - 2021
Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.7000e-004	0.0288	7.6700e-003	8.0000e-005	1.8600e-003	6.0000e-005	1.9200e-003	5.4000e-004	6.0000e-005	5.9000e-004	0.0000	7.3203	7.3203	5.4000e-004	0.0000	7.3339
Worker	4.4500e-003	3.1700e-003	0.0320	1.0000e-004	0.0103	7.0000e-005	0.0103	2.7300e-003	7.0000e-005	2.7900e-003	0.0000	8.9667	8.9667	2.6000e-004	0.0000	8.9731
Total	5.3200e-003	0.0319	0.0397	1.8000e-004	0.0121	1.3000e-004	0.0123	3.2700e-003	1.3000e-004	3.3800e-003	0.0000	16.2870	16.2870	8.0000e-004	0.0000	16.3070

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0818	0.6411	0.5825	1.0000e-003		0.0327	0.0327	0.0313	0.0313	0.0313	0.0000	83.0594	83.0594	0.0163	0.0000	83.4679
Total	0.0818	0.6411	0.5825	1.0000e-003		0.0327	0.0327	0.0313	0.0313	0.0313	0.0000	83.0594	83.0594	0.0163	0.0000	83.4679

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3.4 Building Construction - 2021
Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.7000e-004	0.0288	7.6700e-003	8.0000e-005	1.8600e-003	6.0000e-005	1.9200e-003	5.4000e-004	6.0000e-005	5.9000e-004	0.0000	7.3203	7.3203	5.4000e-004	0.0000	7.3339
Worker	4.4500e-003	3.1700e-003	0.0320	1.0000e-004	0.0103	7.0000e-005	0.0103	2.7300e-003	7.0000e-005	2.7900e-003	0.0000	8.9667	8.9667	2.6000e-004	0.0000	8.9731
Total	5.3200e-003	0.0319	0.0397	1.8000e-004	0.0121	1.3000e-004	0.0123	3.2700e-003	1.3000e-004	3.3800e-003	0.0000	16.2870	16.2870	8.0000e-004	0.0000	16.3070

3.5 Paving - 2021

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0106	0.1065	0.1178	1.8000e-004	5.8300e-003	5.8300e-003	5.8300e-003	5.3700e-003	5.3700e-003	5.3700e-003	0.0000	15.5048	15.5048	4.9100e-003	0.0000	15.6276
Paving	5.4000e-004				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0112	0.1065	0.1178	1.8000e-004		5.8300e-003	5.8300e-003	5.3700e-003	5.3700e-003	5.3700e-003	0.0000	15.5048	15.5048	4.9100e-003	0.0000	15.6276

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3.5 Paving - 2021

Unmitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515
Total	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	0.0106	0.1065	0.1178	1.8000e-004	5.8300e-003	5.8300e-003	5.8300e-003	5.3700e-003	5.3700e-003	5.3700e-003	0.0000	15.5048	15.5048	4.9100e-003	0.0000	15.6276
Paving	5.4000e-004				0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0112	0.1065	0.1178	1.8000e-004	5.8300e-003	5.8300e-003	5.8300e-003	5.3700e-003	5.3700e-003	5.3700e-003	0.0000	15.5048	15.5048	4.9100e-003	0.0000	15.6276

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3.5 Paving - 2021

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515
Total	5.2000e-004	3.7000e-004	3.7500e-003	1.0000e-005	1.2000e-003	1.0000e-005	1.2100e-003	1.0000e-005	1.0000e-005	3.3000e-004	0.0000	1.0508	1.0508	3.0000e-005	0.0000	1.0515

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.0756					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3900e-003	0.0237	0.0282	5.0000e-005	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	0.0000	3.9575	3.9575	2.7000e-004	0.0000	3.9643
Total	0.0790	0.0237	0.0282	5.0000e-005	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	0.0000	3.9575	3.9575	2.7000e-004	0.0000	3.9643

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**3.6 Architectural Coating - 2021
Unmitigated Construction Off-Site**

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.3000e-004	2.3200e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6515	0.6515	2.0000e-005	0.0000	0.6520
Total	3.2000e-004	2.3000e-004	2.3200e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6515	0.6515	2.0000e-005	0.0000	0.6520

Mitigated Construction On-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Archit. Coating	0.0756					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3900e-003	0.0237	0.0282	5.0000e-005	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	0.0000	3.9575	3.9575	2.7000e-004	0.0000	3.9643
Total	0.0790	0.0237	0.0282	5.0000e-005	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	1.4600e-003	0.0000	3.9575	3.9575	2.7000e-004	0.0000	3.9643

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3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

Category	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.3000e-004	2.3200e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6515	0.6515	2.0000e-005	0.0000	0.6520
Total	3.2000e-004	2.3000e-004	2.3200e-003	1.0000e-005	7.5000e-004	1.0000e-005	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6515	0.6515	2.0000e-005	0.0000	0.6520

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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Category	tons/yr													CO2e		
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2		CH4	N2O
Mitigated	0.0754	0.3375	0.9114	3.2100e-003	0.2847	2.6900e-003	0.2874	0.0762	2.5100e-003	0.0787	0.0000	296.4528	296.4528	0.0154	0.0000	296.8375
Unmitigated	0.0754	0.3375	0.9114	3.2100e-003	0.2847	2.6900e-003	0.2874	0.0762	2.5100e-003	0.0787	0.0000	296.4528	296.4528	0.0154	0.0000	296.8375

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Condo/Townhouse	272.00	265.54	226.44	755,424	755,424
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	272.00	265.54	226.44	755,424	755,424

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
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122
Other Asphalt Surfaces	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122
Parking Lot	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	tons/yr											MT/yr				
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	39.7674	39.7674	1.5600e-003	3.1000e-004	39.8996
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	39.7674	39.7674	1.5600e-003	3.1000e-004	39.8996
Natural Gas Mitigated	2.6400e-003	0.0225	9.5900e-003	1.4000e-004		1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	0.0000	26.0958	26.0958	5.0000e-004	4.8000e-004	26.2509
Natural Gas Unmitigated	2.6400e-003	0.0225	9.5900e-003	1.4000e-004		1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	0.0000	26.0958	26.0958	5.0000e-004	4.8000e-004	26.2509

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5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBTU/yr	tons/yr										MT/yr					CO2e
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Condo/Townhome	489017	2.6400e-003	0.0225	9.5900e-003	1.4000e-004	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	0.0000	26.0958	26.0958	5.0000e-004	4.8000e-004	26.2509
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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	0.0000	0.0000
Total		2.6400e-003	0.0225	9.5900e-003	1.4000e-004	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	0.0000	26.0958	26.0958	5.0000e-004	4.8000e-004	26.2509

Mitigated

Land Use	Natural Gas Use kBTU/yr	tons/yr										MT/yr					CO2e
		ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Condo/Townhome	489017	2.6400e-003	0.0225	9.5900e-003	1.4000e-004	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	0.0000	26.0958	26.0958	5.0000e-004	4.8000e-004	26.2509
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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	0.0000	0.0000
Total		2.6400e-003	0.0225	9.5900e-003	1.4000e-004	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	1.8200e-003	0.0000	26.0958	26.0958	5.0000e-004	4.8000e-004	26.2509

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6.1 Mitigation Measures Area

Category	tons/yr											MT/yr				CO2e
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	
Mitigated	0.2828	2.9200e-003	0.2530	1.0000e-005	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	0.0000	0.4128	0.4128	4.0000e-004	0.0000	0.4228
Unmitigated	0.2828	2.9200e-003	0.2530	1.0000e-005	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	0.0000	0.4128	0.4128	4.0000e-004	0.0000	0.4228

Breeze Townhomes - San Diego County, Annual

6.2 Area by SubCategory

Unmitigated

SubCategory	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	7.5600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6500e-003	2.9200e-003	0.2530	1.0000e-005	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	0.0000	0.4128	0.4128	4.0000e-004	0.0000	0.4228
Total	0.2828	2.9200e-003	0.2530	1.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003	0.0000	0.4128	0.4128	4.0000e-004	0.0000	0.4228

Breeze Townhomes - San Diego County, Annual

6.2 Area by SubCategory

Mitigated

SubCategory	tons/yr										MT/yr					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Architectural Coating	7.5600e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2676					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	7.6500e-003	2.9200e-003	0.2530	1.0000e-005	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	1.4000e-003	0.0000	0.4128	0.4128	4.0000e-004	0.0000	0.4228
Total	0.2828	2.9200e-003	0.2530	1.0000e-005		1.4000e-003	1.4000e-003		1.4000e-003	1.4000e-003	0.0000	0.4128	0.4128	4.0000e-004	0.0000	0.4228

7.0 Water Detail

7.1 Mitigation Measures Water

Breeze Townhomes - San Diego County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.9477	0.0726	1.7800e-003	13.2942
Unmitigated	10.9477	0.0726	1.7800e-003	13.2942

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Condo/Townhome	2,215,247	10.9477	0.0726	1.7800e-003	13.2942
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		10.9477	0.0726	1.7800e-003	13.2942

Breeze Townhomes - San Diego County, Annual

7.2 Water by Land Use

Mitigated

Land Use	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
	Mgal	MT/yr			
Condo/Townhome	2.21524 / 1.39656	10.9477	0.0726	1.7800e-003	13.2942
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		10.9477	0.0726	1.7800e-003	13.2942

8.0 Waste Detail

8.1 Mitigation Measures Waste

Breeze Townhomes - San Diego County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.1748	0.1876	0.0000	7.8654
Unmitigated	3.1748	0.1876	0.0000	7.8654

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Condo/Townhouse	15.64	3.1748	0.1876	0.0000	7.8654
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		3.1748	0.1876	0.0000	7.8654

Breeze Townhomes - San Diego County, Annual

8.2 Waste by Land Use

Mitigated

Land Use	Waste Disposed tons	Total CO2	CH4	N2O	CO2e
		MT/yr			
Condo/Townhouse	15.64	3.1748	0.1876	0.0000	7.8654
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		3.1748	0.1876	0.0000	7.8654

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Breeze Townhomes - San Diego County, Summer

Breeze Townhomes
San Diego County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	34.00	Dwelling Unit	2.13	68,218.00	97
Parking Lot	10.00	Space	0.09	4,000.00	0
Other Asphalt Surfaces	14.00	1000sqft	0.32	14,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2022

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr)	509.15	CH4 Intensity (lb/MW/hr)	0.02	N2O Intensity (lb/MW/hr)	0.004
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1.3 User Entered Comments & Non-Default Data

Breeze Townhomes - San Diego County, Summer

Project Characteristics - SDG&E intensity factors adjusted for RPS goal in 2022

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant

Grading - Data provided by applicant.

Architectural Coating - Data provided by applicant, use of low-VOC architectural coatings.

Vehicle Trips - Data provided by traffic study.

Woodstoves - Project would not include woodburning or NG fireplaces.

Area Coating - Data provided by applicant.

Energy Use -

Construction Off-road Equipment Mitigation - SDAPCD Rule 55 fugitive dust control measures.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	31.00
tblConstructionPhase	NumDays	220.00	300.00
tblConstructionPhase	NumDays	6.00	20.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	10.00
tblConstructionPhase	PhaseEndDate	1/11/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	12/14/2020	4/22/2021
tblConstructionPhase	PhaseEndDate	2/10/2020	2/28/2020
tblConstructionPhase	PhaseEndDate	12/28/2020	5/19/2021
tblConstructionPhase	PhaseEndDate	1/31/2020	2/11/2020

Breeze Townhomes - San Diego County, Summer

tblConstructionPhase	PhaseStartDate	12/29/2020	5/19/2021
tblConstructionPhase	PhaseStartDate	2/11/2020	2/28/2020
tblConstructionPhase	PhaseStartDate	12/15/2020	4/22/2021
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	18.70	0.00
tblFireplaces	NumberNoFireplace	3.40	34.00
tblFireplaces	NumberWood	11.90	0.00
tblGrading	AcresOfGrading	10.00	2.13
tblGrading	AcresOfGrading	15.00	0.00
tblGrading	MaterialExported	0.00	1,850.00
tblLandUse	LandUseSquareFeet	34,000.00	68,218.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	720.49	509.15
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	5.67	7.81
tblVehicleTrips	SU_TR	4.84	6.66
tblVehicleTrips	WD_TR	5.81	8.00
tblWoodstoves	NumberCatalytic	1.70	0.00
tblWoodstoves	NumberNoncatalytic	1.70	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Breeze Townhomes - San Diego County, Summer

2.2 Overall Operational
Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.5927	0.0324	2.8105	1.5000e-004	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782
Energy	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Mobile	0.4500	1.8496	5.3097	0.0190	1.6468	0.0151	1.6619	0.4401	0.0141	0.4543	1.927.747 ₉	1.927.747 ₉	1.927.747 ₉	0.0965		1,930.159 ₈
Total	2.0572	2.0054	8.1728	0.0199	1.6468	0.0406	1.6874	0.4401	0.0396	0.4798	0.0000	2.090.424₂	2.090.424₂	0.1044	2.8900e-003	2,093.894₉

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.5927	0.0324	2.8105	1.5000e-004	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782
Energy	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Mobile	0.4500	1.8496	5.3097	0.0190	1.6468	0.0151	1.6619	0.4401	0.0141	0.4543	1.927.747 ₉	1.927.747 ₉	1.927.747 ₉	0.0965		1,930.159 ₈
Total	2.0572	2.0054	8.1728	0.0199	1.6468	0.0406	1.6874	0.4401	0.0396	0.4798	0.0000	2.090.424₂	2.090.424₂	0.1044	2.8900e-003	2,093.894₉

Breeze Townhomes - San Diego County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
2	Grading	Grading	2/1/2020	2/28/2020	5	20	
3	Building Construction	Building Construction	2/28/2020	4/22/2021	5	300	
4	Paving	Paving	4/22/2021	5/19/2021	5	20	
5	Architectural Coating	Architectural Coating	5/19/2021	6/30/2021	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.13

Acres of Paving: 0.41

Residential Indoor: 138,141; Residential Outdoor: 46,047; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,080 (Architectural Coating – sqft)

OffRoad Equipment

Breeze Townhomes - San Diego County, Summer

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	231.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	32.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Breeze Townhomes - San Diego County, Summer

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6521	19.9196	11.2678	0.0245		0.7771	0.7771	0.7149	0.7149	0.7149		2,372.9062	2,372.9062	0.7675		2,392.0924
Total	1.6521	19.9196	11.2678	0.0245	0.0000	0.7771	0.7771	0.7149	0.7149	0.7149		2,372.9062	2,372.9062	0.7675		2,392.0924

Breeze Townhomes - San Diego County, Summer

3.2 Site Preparation - 2020
Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0294	0.0198	0.2268	6.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179	67.4198	67.4198	2.0100e-003	2.0100e-003	67.4701	67.4701
Total	0.0294	0.0198	0.2268	6.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179	67.4198	67.4198	2.0100e-003	2.0100e-003	67.4701	67.4701

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6521	19.9196	11.2678	0.0245	0.7771	0.7771	0.7771	0.7149	0.7149	0.7149	0.0000	2,372.906 ²	2,372.906 ²	0.7675		2,392.092 ⁴
Total	1.6521	19.9196	11.2678	0.0245	0.0000	0.7771	0.7771	0.7149	0.7149	0.7149	0.0000	2,372.906²	2,372.906²	0.7675		2,392.092⁴

Breeze Townhomes - San Diego County, Summer

3.2 Site Preparation - 2020
Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0294	0.0198	0.2268	6.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179	67.4198	67.4198	2.0100e-003	2.0100e-003	67.4701	67.4701
Total	0.0294	0.0198	0.2268	6.8000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179	67.4198	67.4198	2.0100e-003	2.0100e-003	67.4701	67.4701

3.3 Grading - 2020
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					6.1480	0.0000	6.1480	3.3244	0.0000	3.3244			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206	0.9902	0.9902	0.9902	0.9110	0.9110	0.9110	1,996.406	1,996.406	1,996.406	0.6457	2,012.548	2,012.548
Total	1.9219	21.3418	9.9355	0.0206	6.1480	0.9902	7.1382	3.3244	0.9110	4.2353	1,996.406	1,996.406	1,996.406	0.6457	2,012.548	2,012.548

Breeze Townhomes - San Diego County, Summer

3.3 Grading - 2020
Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0913	3.2221	0.7316	9.0400e-003	0.2018	0.0103	0.2121	0.0553	9.8400e-003	0.0652		989.0573	989.0573	0.0871			991.2353
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0367	0.0247	0.2835	8.5000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		84.2747	84.2747	2.5200e-003			84.3376
Total	0.1280	3.2468	1.0150	9.8900e-003	0.2840	0.0109	0.2948	0.0771	0.0104	0.0875		1,073.3320	1,073.3320	0.0896			1,075.5730

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Fugitive Dust					2.3977	0.0000	2.3977	1.2965	0.0000	1.2965			0.0000				0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902	0.9110	0.9110	0.9110	0.0000	1,996.4061	1,996.4061	0.6457			2,012.5480
Total	1.9219	21.3418	9.9355	0.0206	2.3977	0.9902	3.3879	1.2965	0.9110	2.2075	0.0000	1,996.4061	1,996.4061	0.6457			2,012.5480

Breeze Townhomes - San Diego County, Summer

3.3 Grading - 2020

Mitigated Construction Off-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0913	3.2221	0.7316	9.0400e-003	0.2018	0.0103	0.2121	0.0553	9.8400e-003	0.0652		989.0573	989.0573	0.0871		991.2353
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0367	0.0247	0.2835	8.5000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		84.2747	84.2747	2.5200e-003		84.3376
Total	0.1280	3.2468	1.0150	9.8900e-003	0.2840	0.0109	0.2948	0.0771	0.0104	0.0875		1,073.3320	1,073.3320	0.0896		1,075.5730

3.4 Building Construction - 2020

Unmitigated Construction On-Site

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014

Breeze Townhomes - San Diego County, Summer

3.4 Building Construction - 2020
Unmitigated Construction Off-Site

lb/day																
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0262	0.7893	0.2011	1.9200e-003	0.0474	3.8600e-003	0.0513	0.0136	3.6900e-003	0.0173	205.8281	205.8281	205.8281	0.0152		206.2077
Worker	0.1174	0.0791	0.9071	2.7100e-003	0.2629	1.8400e-003	0.2647	0.0697	1.7000e-003	0.0714	269.6791	269.6791	269.6791	8.0500e-003		269.8804
Total	0.1436	0.8684	1.1082	4.6300e-003	0.3103	5.7000e-003	0.3160	0.0834	5.3900e-003	0.0888		475.5071	475.5071	0.0232		476.0880

Mitigated Construction On-Site

lb/day																
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014
Total	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014

Breeze Townhomes - San Diego County, Summer

3.4 Building Construction - 2020

Mitigated Construction Off-Site

lb/day																	
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0262	0.7893	0.2011	1.9200e-003	0.0474	3.8600e-003	0.0513	0.0136	3.6900e-003	0.0173		205.8281	205.8281	0.0152			206.2077
Worker	0.1174	0.0791	0.9071	2.7100e-003	0.2629	1.8400e-003	0.2647	0.0697	1.7000e-003	0.0714		269.6791	269.6791	8.0500e-003			269.8804
Total	0.1436	0.8684	1.1082	4.6300e-003	0.3103	5.7000e-003	0.3160	0.0834	5.3900e-003	0.0888		475.5071	475.5071	0.0232			476.0880

3.4 Building Construction - 2021

Unmitigated Construction On-Site

lb/day																	
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503			2,300.1935
Total	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503			2,300.1935

Breeze Townhomes - San Diego County, Summer

3.4 Building Construction - 2021
Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0212	0.7128	0.1817	1.9000e-003	0.0474	1.5000e-003	0.0489	0.0136	1.4300e-003	0.0151	203.9464	203.9464	203.9464	0.0146			204.3107
Worker	0.1107	0.0719	0.8488	2.6200e-003	0.2629	1.8200e-003	0.2647	0.0697	1.6700e-003	0.0714	260.6211	260.6211	260.6211	7.4400e-003			260.8070
Total	0.1319	0.7847	1.0304	4.5200e-003	0.3103	3.3200e-003	0.3136	0.0834	3.1000e-003	0.0865		464.5674	464.5674	0.0220			465.1177

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503			2,300.1935
Total	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503			2,300.1935

Breeze Townhomes - San Diego County, Summer

3.4 Building Construction - 2021

Mitigated Construction Off-Site

lb/day																	
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0212	0.7128	0.1817	1.9000e-003	0.0474	1.5000e-003	0.0489	0.0136	1.4300e-003	0.0151	203.9464	203.9464	203.9464	0.0146			204.3107
Worker	0.1107	0.0719	0.8488	2.6200e-003	0.2629	1.8200e-003	0.2647	0.0697	1.6700e-003	0.0714	260.6211	260.6211	260.6211	7.4400e-003			260.8070
Total	0.1319	0.7847	1.0304	4.5200e-003	0.3103	3.3200e-003	0.3136	0.0834	3.1000e-003	0.0865		464.5674	464.5674	0.0220			465.1177

3.5 Paving - 2021

Unmitigated Construction On-Site

lb/day																	
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826	0.5371	0.5371	0.5371			1,709.1107	0.5417			1,722.6524
Paving	0.0537					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000				0.0000
Total	1.1170	10.6478	11.7756	0.0178		0.5826	0.5826	0.5371	0.5371	0.5371			1,709.1107	0.5417			1,722.6524

Breeze Townhomes - San Diego County, Summer

3.5 Paving - 2021
Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335	122.1661	122.1661	122.1661	3.4900e-003	122.2533	122.2533
Total	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335		122.1661	122.1661	3.4900e-003		122.2533

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826	0.5371	0.5371	0.5371	0.0000	1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.0537					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total	1.1170	10.6478	11.7756	0.0178		0.5826	0.5826	0.5371	0.5371	0.5371	0.0000	1,709.1107	1,709.1107	0.5417		1,722.6524

Breeze Townhomes - San Diego County, Summer

3.5 Paving - 2021

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335	122.1661	122.1661	122.1661	3.4900e-003	122.2533	122.2533
Total	0.0519	0.0337	0.3979	1.2300e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335	122.1661	122.1661	122.1661	3.4900e-003	122.2533	122.2533

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	4.8788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	281.4481	281.4481	281.4481	0.0193	281.9309	281.9309
Total	5.0977	1.5268	1.8176	2.9700e-003	0.0941	0.0941	0.0941	0.0941	0.0941	0.0941	281.4481	281.4481	281.4481	0.0193	281.9309	281.9309

Breeze Townhomes - San Diego County, Summer

**3.6 Architectural Coating - 2021
Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0208	0.0135	0.1591	4.9000e-004	0.0493	3.4000e-004	0.0496	0.0131	3.1000e-004	0.0134	48.8665	48.8665	48.8665	1.3900e-003		48.9013
Total	0.0208	0.0135	0.1591	4.9000e-004	0.0493	3.4000e-004	0.0496	0.0131	3.1000e-004	0.0134	48.8665	48.8665	48.8665	1.3900e-003		48.9013

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	4.8788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941	0.0941	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	5.0977	1.5268	1.8176	2.9700e-003		0.0941	0.0941	0.0941	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Breeze Townhomes - San Diego County, Summer

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0208	0.0135	0.1591	4.9000e-004	0.0493	3.4000e-004	0.0496	0.0131	3.1000e-004	0.0134	48.8665	48.8665	48.8665	1.3900e-003		48.9013
Total	0.0208	0.0135	0.1591	4.9000e-004	0.0493	3.4000e-004	0.0496	0.0131	3.1000e-004	0.0134	48.8665	48.8665	48.8665	1.3900e-003		48.9013

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Breeze Townhomes - San Diego County, Summer

Category	lb/day															
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4500	1.8496	5.3097	0.0190	1.6468	0.0151	1.6619	0.4401	0.0141	0.4543	1,927.7479	1,927.7479	1,927.7479	0.0965		1,930.1598
Unmitigated	0.4500	1.8496	5.3097	0.0190	1.6468	0.0151	1.6619	0.4401	0.0141	0.4543	1,927.7479	1,927.7479	1,927.7479	0.0965		1,930.1598

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Condo/Townhouse	272.00	265.54	226.44	755,424	755,424
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	272.00	265.54	226.44	755,424	755,424

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-CW	H-W or C-NW	H-S or C-C	H-W or C-W	H-O or C-CW	H-S or C-C	Primary	Diverted	Pass-by	
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	41.60	39.60	86	11	3		
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0.00	0	0	0		
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0.00	0	0	0		

4.4 Fleet Mix

Breeze Townhomes - San Diego County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122
Other Asphalt Surfaces	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122
Parking Lot	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	lb/day										lb/day			CO2e		
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2		CH4	N2O
Natural Gas Mitigated	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Natural Gas Unmitigated	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569

Breeze Townhomes - San Diego County, Summer

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Condo/Townhome	1339.77	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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	0.0000	0.0000
Total		0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569

Mitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Condo/Townhome	1.33977	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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	0.0000	0.0000
Total		0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569

6.0 Area Detail

Breeze Townhomes - San Diego County, Summer

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Mitigated	1.5927	0.0324	2.8105	1.5000e-004	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782
Unmitigated	1.5927	0.0324	2.8105	1.5000e-004	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782

Breeze Townhomes - San Diego County, Summer

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0414					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0850	0.0324	2.8105	1.5000e-004		0.0155	0.0155		0.0155	0.0155		5.0560	5.0560	4.8900e-003		5.1782
Total	1.5927	0.0324	2.8105	1.5000e-004		0.0155	0.0155		0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782

Breeze Townhomes - San Diego County, Summer

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0414					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4662					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0850	0.0324	2.8105	1.5000e-004		0.0155	0.0155	0.0155	0.0155	0.0155		5.0560	5.0560	4.8900e-003		5.1782
Total	1.5927	0.0324	2.8105	1.5000e-004		0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Breeze Townhomes - San Diego County, Summer

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

Breeze Townhomes - San Diego County, Winter

Breeze Townhomes
San Diego County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	34.00	Dwelling Unit	2.13	68,218.00	97
Parking Lot	10.00	Space	0.09	4,000.00	0
Other Asphalt Surfaces	14.00	1000sqft	0.32	14,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2022

Utility Company San Diego Gas & Electric

CO2 Intensity (lb/MW/hr)	509.15	CH4 Intensity (lb/MW/hr)	0.02	N2O Intensity (lb/MW/hr)	0.004
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1.3 User Entered Comments & Non-Default Data

Breeze Townhomes - San Diego County, Winter

Project Characteristics - SDG&E intensity factors adjusted for RPS goal in 2022

Land Use - Data provided by applicant.

Construction Phase - Data provided by applicant

Grading - Data provided by applicant.

Architectural Coating - Data provided by applicant, use of low-VOC architectural coatings.

Vehicle Trips - Data provided by traffic study.

Woodstoves - Project would not include woodburning or NG fireplaces.

Area Coating - Data provided by applicant.

Energy Use -

Construction Off-road Equipment Mitigation - SDAPCD Rule 55 fugitive dust control measures.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	5.00
tblAreaCoating	Area_EF_Residential_Exterior	250	50
tblAreaCoating	Area_EF_Residential_Interior	250	5
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	10.00	31.00
tblConstructionPhase	NumDays	220.00	300.00
tblConstructionPhase	NumDays	6.00	20.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	10.00
tblConstructionPhase	PhaseEndDate	1/11/2021	6/30/2021
tblConstructionPhase	PhaseEndDate	12/14/2020	4/22/2021
tblConstructionPhase	PhaseEndDate	2/10/2020	2/28/2020
tblConstructionPhase	PhaseEndDate	12/28/2020	5/19/2021
tblConstructionPhase	PhaseEndDate	1/31/2020	2/11/2020

Breeze Townhomes - San Diego County, Winter

tblConstructionPhase	PhaseStartDate	12/29/2020	5/19/2021
tblConstructionPhase	PhaseStartDate	2/11/2020	2/28/2020
tblConstructionPhase	PhaseStartDate	12/15/2020	4/22/2021
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	18.70	0.00
tblFireplaces	NumberNoFireplace	3.40	34.00
tblFireplaces	NumberWood	11.90	0.00
tblGrading	AcresOfGrading	10.00	2.13
tblGrading	AcresOfGrading	15.00	0.00
tblGrading	MaterialExported	0.00	1,850.00
tblLandUse	LandUseSquareFeet	34,000.00	68,218.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.02
tblProjectCharacteristics	CO2IntensityFactor	720.49	509.15
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleTrips	ST_TR	5.67	7.81
tblVehicleTrips	SU_TR	4.84	6.66
tblVehicleTrips	WD_TR	5.81	8.00
tblWoodstoves	NumberCatalytic	1.70	0.00
tblWoodstoves	NumberNoncatalytic	1.70	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

2.0 Emissions Summary

Breeze Townhomes - San Diego County, Winter

2.2 Overall Operational
Unmitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.5927	0.0324	2.8105	1.5000e-004	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782
Energy	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Mobile	0.4364	1.9008	5.2009	0.0180	1.6468	0.0152	1.6620	0.4401	0.0142	0.4544	1.828.807	1.828.807	1.828.807	0.0968		1.831.227
Total	2.0436	2.0566	8.0639	0.0189	1.6468	0.0407	1.6875	0.4401	0.0397	0.4799	0.0000	1,991.484	1,991.484	0.1047	2.8900e-003	1,994.962

Mitigated Operational

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Area	1.5927	0.0324	2.8105	1.5000e-004	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782
Energy	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Mobile	0.4364	1.9008	5.2009	0.0180	1.6468	0.0152	1.6620	0.4401	0.0142	0.4544	1.828.807	1.828.807	1.828.807	0.0968		1.831.227
Total	2.0436	2.0566	8.0639	0.0189	1.6468	0.0407	1.6875	0.4401	0.0397	0.4799	0.0000	1,991.484	1,991.484	0.1047	2.8900e-003	1,994.962

Breeze Townhomes - San Diego County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/29/2020	2/11/2020	5	10	
2	Grading	Grading	2/1/2020	2/28/2020	5	20	
3	Building Construction	Building Construction	2/28/2020	4/22/2021	5	300	
4	Paving	Paving	4/22/2021	5/19/2021	5	20	
5	Architectural Coating	Architectural Coating	5/19/2021	6/30/2021	5	31	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2.13

Acres of Paving: 0.41

Residential Indoor: 138,141; Residential Outdoor: 46,047; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 1,080 (Architectural Coating – sqft)

OffRoad Equipment

Breeze Townhomes - San Diego County, Winter

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

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	231.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	32.00	7.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Breeze Townhomes - San Diego County, Winter

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2020

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6521	19.9196	11.2678	0.0245		0.7771	0.7771		0.7149	0.7149		2,372.9062	2,372.9062	0.7675		2,392.0924
Total	1.6521	19.9196	11.2678	0.0245	0.0000	0.7771	0.7771	0.0000	0.7149	0.7149		2,372.9062	2,372.9062	0.7675		2,392.0924

Breeze Townhomes - San Diego County, Winter

3.2 Site Preparation - 2020
Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0222	0.2138	6.4000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179	63.2906	63.2906	63.2906	1.9100e-003		63.3382
Total	0.0333	0.0222	0.2138	6.4000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179		63.2906	63.2906	1.9100e-003		63.3382

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	1.6521	19.9196	11.2678	0.0245	0.7771	0.7771	0.7771	0.7149	0.7149	0.7149	0.0000	2,372.906 ²	2,372.906 ²	0.7675		2,392.092 ⁴
Total	1.6521	19.9196	11.2678	0.0245	0.0000	0.7771	0.7771	0.7149	0.7149	0.7149	0.0000	2,372.906²	2,372.906²	0.7675		2,392.092⁴

Breeze Townhomes - San Diego County, Winter

3.2 Site Preparation - 2020
Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0333	0.0222	0.2138	6.4000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179	63.2906	63.2906	63.2906	1.9100e-003		63.3382
Total	0.0333	0.0222	0.2138	6.4000e-004	0.0657	4.6000e-004	0.0662	0.0174	4.2000e-004	0.0179		63.2906	63.2906	1.9100e-003		63.3382

3.3 Grading - 2020
Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Fugitive Dust					6.1480	0.0000	6.1480	3.3244	0.0000	3.3244			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902	0.9110		0.9110		1,996.406	1,996.406	0.6457		2,012.548
Total	1.9219	21.3418	9.9355	0.0206	6.1480	0.9902	7.1382	3.3244	0.9110	4.2353		1,996.406	1,996.406	0.6457		2,012.548

Breeze Townhomes - San Diego County, Winter

3.3 Grading - 2020

Unmitigated Construction Off-Site

lb/day																
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0938	3.2530	0.7799	8.8900e-003	0.2018	0.0105	0.2123	0.0553	0.0100	0.0654		972.0889	972.0889	0.0901		974.3416
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0278	0.2673	7.9000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.1132	79.1132	2.3800e-003		79.1127
Total	0.1354	3.2808	1.0471	9.6800e-003	0.2840	0.0111	0.2950	0.0771	0.0106	0.0877		1,051.202	1,051.202	0.0925		1,053.514

Mitigated Construction On-Site

lb/day																
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Fugitive Dust					2.3977	0.0000	2.3977	1.2965	0.0000	1.2965			0.0000			0.0000
Off-Road	1.9219	21.3418	9.9355	0.0206		0.9902	0.9902	0.9110	0.9110	0.9110	0.0000	1,996.406	1,996.406	0.6457		2,012.548
Total	1.9219	21.3418	9.9355	0.0206	2.3977	0.9902	3.3879	1.2965	0.9110	2.2075	0.0000	1,996.406	1,996.406	0.6457		2,012.548

Breeze Townhomes - San Diego County, Winter

3.3 Grading - 2020

Mitigated Construction Off-Site

lb/day																
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Hauling	0.0938	3.2530	0.7799	8.8900e-003	0.2018	0.0105	0.2123	0.0553	0.0100	0.0654		972.0889	972.0889	0.0901		974.3416
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0416	0.0278	0.2673	7.9000e-004	0.0822	5.8000e-004	0.0827	0.0218	5.3000e-004	0.0223		79.1132	79.1132	2.3800e-003		79.1127
Total	0.1354	3.2808	1.0471	9.6800e-003	0.2840	0.0111	0.2950	0.0771	0.0106	0.0877		1,051.2021	1,051.2021	0.0925		1,053.5143

3.4 Building Construction - 2020

Unmitigated Construction On-Site

lb/day																
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014
Total	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089		2,288.8877	2,288.8877	0.4646		2,300.5014

Breeze Townhomes - San Diego County, Winter

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0274	0.7887	0.2232	1.8700e-003	0.0474	3.9300e-003	0.0513	0.0136	3.7600e-003	0.0174	200.5236	200.5236	200.5236	0.0161		200.9269	
Worker	0.1330	0.0888	0.8652	2.5400e-003	0.2629	1.8400e-003	0.2647	0.0697	1.7000e-003	0.0714	253.1622	253.1622	253.1622	7.6200e-003		253.3528	
Total	0.1604	0.8775	1.0784	4.4100e-003	0.3103	5.7700e-003	0.3160	0.0834	5.4600e-003	0.0888		453.6858	453.6858	0.0238		454.2797	

Mitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014	
Total	2.2879	17.4336	14.8972	0.0250		0.9482	0.9482		0.9089	0.9089	0.0000	2,288.8877	2,288.8877	0.4646		2,300.5014	

Breeze Townhomes - San Diego County, Winter

3.4 Building Construction - 2020

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0274	0.7887	0.2232	1.8700e-003	0.0474	3.9300e-003	0.0513	0.0136	3.7600e-003	0.0174	200.5236	200.5236	200.5236	0.0161		200.9269	
Worker	0.1330	0.0888	0.8652	2.5400e-003	0.2629	1.8400e-003	0.2647	0.0697	1.7000e-003	0.0714	253.1622	253.1622	253.1622	7.6200e-003		253.3528	
Total	0.1604	0.8775	1.0784	4.4100e-003	0.3103	5.7700e-003	0.3160	0.0834	5.4600e-003	0.0888	453.6858	453.6858	453.6858	0.0238		454.2797	

3.4 Building Construction - 2021

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935	
Total	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831		2,288.9355	2,288.9355	0.4503		2,300.1935	

Breeze Townhomes - San Diego County, Winter

3.4 Building Construction - 2021
Unmitigated Construction Off-Site

lb/day																	
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0223	0.7109	0.2023	1.8500e-003	0.0474	1.5600e-003	0.0489	0.0136	1.4900e-003	0.0151		198.6735	198.6735	0.0155			199.0604
Worker	0.1255	0.0807	0.7978	2.4500e-003	0.2629	1.8200e-003	0.2647	0.0697	1.6700e-003	0.0714		244.6552	244.6552	7.0300e-003			244.8310
Total	0.1478	0.7916	1.0001	4.3000e-003	0.3103	3.3600e-003	0.3136	0.0834	3.1600e-003	0.0865		443.3287	443.3287	0.0225			443.8914

Mitigated Construction On-Site

lb/day																	
Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503			2,300.1935
Total	2.0451	16.0275	14.5629	0.0250		0.8173	0.8173		0.7831	0.7831	0.0000	2,288.9355	2,288.9355	0.4503			2,300.1935

Breeze Townhomes - San Diego County, Winter

3.4 Building Construction - 2021

Mitigated Construction Off-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Vendor	0.0223	0.7109	0.2023	1.8500e-003	0.0474	1.5600e-003	0.0489	0.0136	1.4900e-003	0.0151	198.6735	198.6735	198.6735	0.0155			199.0604
Worker	0.1255	0.0807	0.7978	2.4500e-003	0.2629	1.8200e-003	0.2647	0.0697	1.6700e-003	0.0714	244.6552	244.6552	244.6552	7.0300e-003			244.8310
Total	0.1478	0.7916	1.0001	4.3000e-003	0.3103	3.3800e-003	0.3136	0.0834	3.1600e-003	0.0865		443.3287	443.3287	0.0225			443.8914

3.5 Paving - 2021

Unmitigated Construction On-Site

Category	lb/day																
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371		1,709.1107	1,709.1107	0.5417			1,722.6524
Paving	0.0537					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.1170	10.6478	11.7756	0.0178		0.5826	0.5826		0.5371	0.5371		1,709.1107	1,709.1107	0.5417			1,722.6524

Breeze Townhomes - San Diego County, Winter

3.5 Paving - 2021

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335	114.6821	114.6821	3.2900e-003	114.7645		114.7645
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335	114.6821	114.6821	3.2900e-003	114.7645		114.7645

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Off-Road	1.0633	10.6478	11.7756	0.0178		0.5826	0.5826	0.5371	0.5371	0.5371	0.0000	1,709.1107	1,709.1107	0.5417		1,722.6524
Paving	0.0537					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Total	1.1170	10.6478	11.7756	0.0178		0.5826	0.5826	0.5371	0.5371	0.5371	0.0000	1,709.1107	1,709.1107	0.5417		1,722.6524

Breeze Townhomes - San Diego County, Winter

3.5 Paving - 2021

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335	114.6821	114.6821	3.2900e-003	114.7645		114.7645
Total	0.0588	0.0378	0.3740	1.1500e-003	0.1232	8.5000e-004	0.1241	0.0327	7.8000e-004	0.0335	114.6821	114.6821	3.2900e-003	114.7645		114.7645

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	4.8788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941	0.0941	0.0941	0.0941	281.4481	281.4481	0.0193	0.0193		281.9309
Total	5.0977	1.5268	1.8176	2.9700e-003		0.0941	0.0941	0.0941	0.0941	0.0941	281.4481	281.4481	0.0193	0.0193		281.9309

Breeze Townhomes - San Diego County, Winter

**3.6 Architectural Coating - 2021
Unmitigated Construction Off-Site**

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0235	0.0151	0.1496	4.6000e-004	0.0493	3.4000e-004	0.0496	0.0131	3.1000e-004	0.0134	45.8729	45.8729	45.8729	1.3200e-003		45.9058
Total	0.0235	0.0151	0.1496	4.6000e-004	0.0493	3.4000e-004	0.0496	0.0131	3.1000e-004	0.0134	45.8729	45.8729	45.8729	1.3200e-003		45.9058

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Archit. Coating	4.8788					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941	0.0941	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	5.0977	1.5268	1.8176	2.9700e-003		0.0941	0.0941	0.0941	0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Breeze Townhomes - San Diego County, Winter

3.6 Architectural Coating - 2021

Mitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0235	0.0151	0.1496	4.6000e-004	0.0493	3.4000e-004	0.0496	0.0131	3.1000e-004	0.0134		45.8729	45.8729	1.3200e-003		45.9058
Total	0.0235	0.0151	0.1496	4.6000e-004	0.0493	3.4000e-004	0.0496	0.0131	3.1000e-004	0.0134		45.8729	45.8729	1.3200e-003		45.9058

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Breeze Townhomes - San Diego County, Winter

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated	0.4364	1.9008	5.2009	0.0180	1.6468	0.0152	1.6620	0.4401	0.0142	0.4544		1,828,807	1,828,807	0.0968		1,831,227
Unmitigated	0.4364	1.9008	5.2009	0.0180	1.6468	0.0152	1.6620	0.4401	0.0142	0.4544		1,828,807	1,828,807	0.0968		1,831,227

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated Annual VMT	Mitigated Annual VMT
	Weekday	Saturday	Sunday		
Condo/Townhouse	272.00	265.54	226.44	755,424	755,424
Other Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	272.00	265.54	226.44	755,424	755,424

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
Condo/Townhouse	10.80	7.30	7.50	41.60	18.80	39.60	86	11	3
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Breeze Townhomes - San Diego County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122
Other Asphalt Surfaces	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122
Parking Lot	0.598645	0.040929	0.181073	0.106149	0.015683	0.005479	0.016317	0.023976	0.001926	0.001932	0.006016	0.000753	0.001122

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Natural Gas Mitigated	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Natural Gas Unmitigated	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569

Breeze Townhomes - San Diego County, Winter

5.2 Energy by Land Use - Natural Gas

Unmitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Condo/Townhome	1339.77	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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	0.0000	0.0000
Total		0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569

Mitigated

Land Use	Natural Gas Use kBTU/yr	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio-CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
lb/day																	
Condo/Townhome	1.33977	0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	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	0.0000	0.0000
Total		0.0145	0.1235	0.0525	7.9000e-004	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	9.9800e-003	157.6203	157.6203	157.6203	3.0200e-003	2.8900e-003	158.5569

6.0 Area Detail

Breeze Townhomes - San Diego County, Winter

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day															
Mitigated	1.5927	0.0324	2.8105	1.5000e-004	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782
Unmitigated	1.5927	0.0324	2.8105	1.5000e-004	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782

Breeze Townhomes - San Diego County, Winter

6.2 Area by SubCategory

Unmitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
lb/day																
Architectural Coating	0.0414					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4662					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0850	0.0324	2.8105	1.5000e-004		0.0155	0.0155		0.0155	0.0155		5.0560	5.0560	4.8900e-003		5.1782
Total	1.5927	0.0324	2.8105	1.5000e-004		0.0155	0.0155		0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782

Breeze Townhomes - San Diego County, Winter

6.2 Area by SubCategory

Mitigated

SubCategory	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day															
Architectural Coating	0.0414					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Consumer Products	1.4662					0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0850	0.0324	2.8105	1.5000e-004		0.0155	0.0155	0.0155	0.0155	0.0155		5.0560	5.0560	4.8900e-003		5.1782
Total	1.5927	0.0324	2.8105	1.5000e-004		0.0155	0.0155		0.0155	0.0155	0.0000	5.0560	5.0560	4.8900e-003	0.0000	5.1782

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

10.0 Stationary Equipment

Breeze Townhomes - San Diego County, Winter

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

Construction Worker Gasoline Demand

Phase	Trips	Vehicle CO ₂ (MT)	Kg/CO2/Gallon	Gallons
Site Preparation	80	0.29	8.78	33.03
Grading	200	0.72	8.78	82.56
Building Construction	9,600	34.48	8.78	3,927.37
Paving	300	1.05	8.78	119.68
Architectural Coating	186	0.65	8.78	74.20
Total				4,236.85

Construction Vendor Diesel Demand

Phase	Trips	Vehicle CO ₂ (MT)	Kg/CO2/Gallon	Gallons
Site Preparation	0	0.00	10.21	0.00
Grading	0	0.00	10.21	0.00
Building Construction	2,100	27.64	10.21	2,706.91
Paving	0	0.00	10.21	0.00
Architectural Coating	0	0.00	10.21	0.00
Total				2,706.91

Construction Haul Diesel Demand

Phase	Trips	Vehicle CO ₂ (MT)	Kg/CO2/Gallon	Gallons
Site Preparation	0	0.00	10.21	0.00
Grading	231	8.91	10.21	872.47
Building Construction	0	0.00	10.21	0.00
Paving	0	0.00	10.21	0.00
Architectural Coating	0	0.00	10.21	0.00
Total				872.47

Construction Equipment Diesel Demand

Phase	Pieces of Equipment	Equipment CO ₂ (MT)	Kg/CO2/Gallon	Gallons
Site Preparation	3	10.76	10.21	1,054.19
Grading	4	18.11	10.21	1,773.86
Building Construction	8	311.47	10.21	30,506.20
Paving	6	15.50	10.21	1,518.59
Architectural Coating	1	3.96	10.21	387.61
Total				35,240.45

Construction Equipment Usage

Phase	Hours of Equipment Use
Site Preparation	230
Grading	600
Building Construction	18,000
Paving	960
Architectural Coating	186
Total	19,976

Operational Mobile Source Petroleum Demand

Fuel Type	Vehicle MT CO₂	Kg/CO₂/Gallon	Gallons
Gasoline	274.16	8.78	31,225.90
Diesel	22.29	10.21	2,183.09
Total			33,409.00