

Appendix A

Air Quality Modeling

tblProjectCharacteristics

ProjectName	LocationSite	EMFAC_ID	WindSpeed	Precipitation	ClimateZone	Urbanization	Operation	UtilityCompany	CO2Intensity
Santee Ho C		SD	2.6	40	13	Urban	2024	San Diego	312.25

tblProjectCharacteristics

CH4Intens	N2OIntens	TotalPopu	TotalLotAc	UsingHistc	Constructi	UseAdjusted	EMFACFactors
0.029	0.004	0	5.16	0	2023/01/0	0	

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

**Santee Hotel Project
San Diego County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	59.00	Space	0.53	23,600.00	0
Hotel	97.00	Room	3.23	58,692.00	0
Recreational Swimming Pool	61.10	1000sqft	1.40	500.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.6	Precipitation Freq (Days)	40
Climate Zone	13			Operational Year	2024
Utility Company	San Diego Gas & Electric				
CO2 Intensity (lb/MWhr)	312.25	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - The GHG Intensity Factors are scaled using RPS and eGrid.

Land Use - Based on Project Description

Construction Phase - Based on Project Description

Trips and VMT -

Demolition - Assuming 1.6 acres of asphalt (6 inch thick) demolished.

Grading - Based on Project Description

Vehicle Trips - Based on Project Description

Architectural Coating - Archetectural Coating Rule 67.0.1 applied for flat coatings

Area Coating -

Water And Wastewater -

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Solid Waste -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	50.00
tblArchitecturalCoating	EF_Parking	250.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	250.00	50.00
tblArchitecturalCoating	EF_Residential_Interior	250.00	50.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	230.00	129.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	10.00	6.00
tblGrading	AcresOfGrading	11.00	0.10
tblGrading	AcresOfGrading	9.00	0.00
tblLandUse	LandUseSquareFeet	140,844.00	58,692.00
tblLandUse	LandUseSquareFeet	61,100.00	500.00
tblProjectCharacteristics	CH4IntensityFactor	0.033	0.029
tblProjectCharacteristics	CO2IntensityFactor	539.98	312.25
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	9.10	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	13.60	0.00
tblVehicleTrips	WD_TR	8.36	10.20
tblVehicleTrips	WD_TR	28.82	0.00

2.0 Emissions Summary

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	0.6509	0.6509
2	4-1-2023	6-30-2023	0.5437	0.5437
3	7-1-2023	9-30-2023	0.4364	0.4364
		Highest	0.6509	0.6509

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2998	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8800e-003	3.8800e-003	1.0000e-005	0.0000	4.1300e-003
Energy	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	285.9255	285.9255	0.0132	4.6600e-003	287.6452
Mobile	0.2939	0.2947	2.4512	4.7600e-003	0.5023	3.8400e-003	0.5061	0.1341	3.5800e-003	0.1376	0.0000	440.2840	440.2840	0.0358	0.0221	447.7538
Waste						0.0000	0.0000		0.0000	0.0000	81.4765	0.0000	81.4765	4.8151	0.0000	201.8546
Water						0.0000	0.0000		0.0000	0.0000	1.9271	15.1175	17.0446	0.1993	4.8700e-003	23.4784
Total	0.6120	0.4613	2.5931	5.7600e-003	0.5023	0.0165	0.5188	0.1341	0.0163	0.1503	83.4036	741.3310	824.7345	5.0635	0.0316	960.7361

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2998	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8800e-003	3.8800e-003	1.0000e-005	0.0000	4.1300e-003
Energy	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	285.9255	285.9255	0.0132	4.6600e-003	287.6452
Mobile	0.2939	0.2947	2.4512	4.7600e-003	0.5023	3.8400e-003	0.5061	0.1341	3.5800e-003	0.1376	0.0000	440.2840	440.2840	0.0358	0.0221	447.7538
Waste						0.0000	0.0000		0.0000	0.0000	81.4765	0.0000	81.4765	4.8151	0.0000	201.8546
Water						0.0000	0.0000		0.0000	0.0000	1.9271	15.1175	17.0446	0.1993	4.8700e-003	23.4784
Total	0.6120	0.4613	2.5931	5.7600e-003	0.5023	0.0165	0.5188	0.1341	0.0163	0.1503	83.4036	741.3310	824.7345	5.0635	0.0316	960.7361

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/16/2023	5	11	
2	Site Preparation	Site Preparation	1/17/2023	1/24/2023	5	6	
3	Grading	Grading	1/25/2023	2/8/2023	5	11	

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4	Building Construction	Building Construction	2/9/2023	8/8/2023	5	129
5	Paving	Paving	8/9/2023	8/23/2023	5	11
6	Architectural Coating	Architectural Coating	8/24/2023	9/7/2023	5	11

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0.1

Acres of Paving: 0.53

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 88,038; Non-Residential Outdoor: 29,346; Striped Parking Area: 1,416 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

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Architectural Coating	Air Compressors	1	6.00	78	0.48
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Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	239.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	35.00	14.00	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	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0125	0.1182	0.1080	2.1000e-004		5.4900e-003	5.4900e-003		5.1000e-003	5.1000e-003	0.0000	18.6956	18.6956	5.2400e-003	0.0000	18.8265
Total	0.0125	0.1182	0.1080	2.1000e-004	0.0262	5.4900e-003	0.0317	3.9700e-003	5.1000e-003	9.0700e-003	0.0000	18.6956	18.6956	5.2400e-003	0.0000	18.8265

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3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-004	0.0162	4.3100e-003	7.0000e-005	2.0500e-003	1.3000e-004	2.1800e-003	5.6000e-004	1.3000e-004	6.9000e-004	0.0000	7.1717	7.1717	3.6000e-004	1.1400e-003	7.5206
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283
Total	4.8000e-004	0.0164	6.1900e-003	8.0000e-005	2.7100e-003	1.3000e-004	2.8500e-003	7.4000e-004	1.3000e-004	8.7000e-004	0.0000	7.6953	7.6953	3.8000e-004	1.1500e-003	8.0489

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	3.9700e-003	0.0000	3.9700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0125	0.1182	0.1080	2.1000e-004		5.4900e-003	5.4900e-003		5.1000e-003	5.1000e-003	0.0000	18.6956	18.6956	5.2400e-003	0.0000	18.8265
Total	0.0125	0.1182	0.1080	2.1000e-004	0.0262	5.4900e-003	0.0317	3.9700e-003	5.1000e-003	9.0700e-003	0.0000	18.6956	18.6956	5.2400e-003	0.0000	18.8265

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3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.6000e-004	0.0162	4.3100e-003	7.0000e-005	2.0500e-003	1.3000e-004	2.1800e-003	5.6000e-004	1.3000e-004	6.9000e-004	0.0000	7.1717	7.1717	3.6000e-004	1.1400e-003	7.5206
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283
Total	4.8000e-004	0.0164	6.1900e-003	8.0000e-005	2.7100e-003	1.3000e-004	2.8500e-003	7.4000e-004	1.3000e-004	8.7000e-004	0.0000	7.6953	7.6953	3.8000e-004	1.1500e-003	8.0489

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9800e-003	0.0826	0.0547	1.1000e-004		3.8000e-003	3.8000e-003		3.4900e-003	3.4900e-003	0.0000	10.0352	10.0352	3.2500e-003	0.0000	10.1164
Total	7.9800e-003	0.0826	0.0547	1.1000e-004	0.0542	3.8000e-003	0.0580	0.0298	3.4900e-003	0.0333	0.0000	10.0352	10.0352	3.2500e-003	0.0000	10.1164

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3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.2300e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3427	0.3427	1.0000e-005	1.0000e-005	0.3458
Total	1.5000e-004	1.0000e-004	1.2300e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3427	0.3427	1.0000e-005	1.0000e-005	0.3458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0542	0.0000	0.0542	0.0298	0.0000	0.0298	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.9800e-003	0.0826	0.0547	1.1000e-004		3.8000e-003	3.8000e-003		3.4900e-003	3.4900e-003	0.0000	10.0352	10.0352	3.2500e-003	0.0000	10.1163
Total	7.9800e-003	0.0826	0.0547	1.1000e-004	0.0542	3.8000e-003	0.0580	0.0298	3.4900e-003	0.0333	0.0000	10.0352	10.0352	3.2500e-003	0.0000	10.1163

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3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.0000e-004	1.2300e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3427	0.3427	1.0000e-005	1.0000e-005	0.3458
Total	1.5000e-004	1.0000e-004	1.2300e-003	0.0000	4.3000e-004	0.0000	4.4000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.3427	0.3427	1.0000e-005	1.0000e-005	0.3458

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0332	0.0000	0.0332	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4100e-003	0.0987	0.0811	1.6000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	14.3333	14.3333	4.6400e-003	0.0000	14.4492
Total	9.4100e-003	0.0987	0.0811	1.6000e-004	0.0332	4.2600e-003	0.0374	0.0182	3.9200e-003	0.0221	0.0000	14.3333	14.3333	4.6400e-003	0.0000	14.4492

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3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283
Total	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0332	0.0000	0.0332	0.0182	0.0000	0.0182	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.4100e-003	0.0987	0.0811	1.6000e-004		4.2600e-003	4.2600e-003		3.9200e-003	3.9200e-003	0.0000	14.3333	14.3333	4.6400e-003	0.0000	14.4492
Total	9.4100e-003	0.0987	0.0811	1.6000e-004	0.0332	4.2600e-003	0.0374	0.0182	3.9200e-003	0.0221	0.0000	14.3333	14.3333	4.6400e-003	0.0000	14.4492

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3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283
Total	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1014	0.9278	1.0477	1.7400e-003		0.0451	0.0451		0.0425	0.0425	0.0000	149.5141	149.5141	0.0356	0.0000	150.4032
Total	0.1014	0.9278	1.0477	1.7400e-003		0.0451	0.0451		0.0425	0.0425	0.0000	149.5141	149.5141	0.0356	0.0000	150.4032

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0600e-003	0.0401	0.0141	1.9000e-004	6.0000e-003	2.4000e-004	6.2300e-003	1.7300e-003	2.3000e-004	1.9600e-003	0.0000	18.1187	18.1187	5.5000e-004	2.6300e-003	18.9148
Worker	6.1000e-003	4.2200e-003	0.0515	1.6000e-004	0.0181	1.0000e-004	0.0182	4.8100e-003	9.0000e-005	4.9000e-003	0.0000	14.3252	14.3252	4.2000e-004	4.0000e-004	14.4549
Total	7.1600e-003	0.0443	0.0656	3.5000e-004	0.0241	3.4000e-004	0.0244	6.5400e-003	3.2000e-004	6.8600e-003	0.0000	32.4439	32.4439	9.7000e-004	3.0300e-003	33.3697

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1014	0.9278	1.0477	1.7400e-003		0.0451	0.0451		0.0425	0.0425	0.0000	149.5139	149.5139	0.0356	0.0000	150.4031
Total	0.1014	0.9278	1.0477	1.7400e-003		0.0451	0.0451		0.0425	0.0425	0.0000	149.5139	149.5139	0.0356	0.0000	150.4031

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0600e-003	0.0401	0.0141	1.9000e-004	6.0000e-003	2.4000e-004	6.2300e-003	1.7300e-003	2.3000e-004	1.9600e-003	0.0000	18.1187	18.1187	5.5000e-004	2.6300e-003	18.9148
Worker	6.1000e-003	4.2200e-003	0.0515	1.6000e-004	0.0181	1.0000e-004	0.0182	4.8100e-003	9.0000e-005	4.9000e-003	0.0000	14.3252	14.3252	4.2000e-004	4.0000e-004	14.4549
Total	7.1600e-003	0.0443	0.0656	3.5000e-004	0.0241	3.4000e-004	0.0244	6.5400e-003	3.2000e-004	6.8600e-003	0.0000	32.4439	32.4439	9.7000e-004	3.0300e-003	33.3697

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6800e-003	0.0561	0.0802	1.3000e-004		2.8100e-003	2.8100e-003		2.5800e-003	2.5800e-003	0.0000	11.0148	11.0148	3.5600e-003	0.0000	11.1038
Paving	6.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3700e-003	0.0561	0.0802	1.3000e-004		2.8100e-003	2.8100e-003		2.5800e-003	2.5800e-003	0.0000	11.0148	11.0148	3.5600e-003	0.0000	11.1038

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

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283
Total	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.6800e-003	0.0561	0.0802	1.3000e-004		2.8100e-003	2.8100e-003		2.5800e-003	2.5800e-003	0.0000	11.0148	11.0148	3.5600e-003	0.0000	11.1038
Paving	6.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3700e-003	0.0561	0.0802	1.3000e-004		2.8100e-003	2.8100e-003		2.5800e-003	2.5800e-003	0.0000	11.0148	11.0148	3.5600e-003	0.0000	11.1038

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3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283
Total	2.2000e-004	1.5000e-004	1.8800e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5235	0.5235	2.0000e-005	1.0000e-005	0.5283

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1377					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
Total	0.1387	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	7.0000e-005	8.8000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2443	0.2443	1.0000e-005	1.0000e-005	0.2465
Total	1.0000e-004	7.0000e-005	8.8000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2443	0.2443	1.0000e-005	1.0000e-005	0.2465

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1377					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0500e-003	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064
Total	0.1387	7.1700e-003	9.9600e-003	2.0000e-005		3.9000e-004	3.9000e-004		3.9000e-004	3.9000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4064

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-004	7.0000e-005	8.8000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2443	0.2443	1.0000e-005	1.0000e-005	0.2465
Total	1.0000e-004	7.0000e-005	8.8000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2443	0.2443	1.0000e-005	1.0000e-005	0.2465

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2939	0.2947	2.4512	4.7600e-003	0.5023	3.8400e-003	0.5061	0.1341	3.5800e-003	0.1376	0.0000	440.2840	440.2840	0.0358	0.0221	447.7538
Unmitigated	0.2939	0.2947	2.4512	4.7600e-003	0.5023	3.8400e-003	0.5061	0.1341	3.5800e-003	0.1376	0.0000	440.2840	440.2840	0.0358	0.0221	447.7538

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Hotel	989.40	0.00	0.00	1,342,708	1,342,708
Parking Lot	0.00	0.00	0.00		
Recreational Swimming Pool	0.00	0.00	0.00		
Total	989.40	0.00	0.00	1,342,708	1,342,708

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
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Recreational Swimming Pool	9.50	7.30	7.30	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Hotel	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
Parking Lot	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949

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Recreational Swimming Pool	0.557888	0.062607	0.178921	0.119061	0.024112	0.006269	0.008734	0.006266	0.000708	0.000566	0.028949	0.000971	0.004949
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	104.5811	104.5811	9.7100e-003	1.3400e-003	105.2231
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	104.5811	104.5811	9.7100e-003	1.3400e-003	105.2231
Natural Gas Mitigated	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3445	181.3445	3.4800e-003	3.3200e-003	182.4221
Natural Gas Unmitigated	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3445	181.3445	3.4800e-003	3.3200e-003	182.4221

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5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	3.39827e+006	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3445	181.3445	3.4800e-003	3.3200e-003	182.4221
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3445	181.3445	3.4800e-003	3.3200e-003	182.4221

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5.2 Energy by Land Use - Natural Gas

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Hotel	3.39827e+006	0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3445	181.3445	3.4800e-003	3.3200e-003	182.4221
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
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0183	0.1666	0.1399	1.0000e-003		0.0127	0.0127		0.0127	0.0127	0.0000	181.3445	181.3445	3.4800e-003	3.3200e-003	182.4221

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	730128	103.4112	9.6000e-003	1.3200e-003	104.0461
Parking Lot	8260	1.1699	1.1000e-004	1.0000e-005	1.1771
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		104.5811	9.7100e-003	1.3300e-003	105.2231

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Hotel	730128	103.4112	9.6000e-003	1.3200e-003	104.0461
Parking Lot	8260	1.1699	1.1000e-004	1.0000e-005	1.1771
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
Total		104.5811	9.7100e-003	1.3300e-003	105.2231

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2998	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8800e-003	3.8800e-003	1.0000e-005	0.0000	4.1300e-003
Unmitigated	0.2998	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8800e-003	3.8800e-003	1.0000e-005	0.0000	4.1300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0688					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2308					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8800e-003	3.8800e-003	1.0000e-005	0.0000	4.1300e-003
Total	0.2998	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8800e-003	3.8800e-003	1.0000e-005	0.0000	4.1300e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0688					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2308					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.8000e-004	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8800e-003	3.8800e-003	1.0000e-005	0.0000	4.1300e-003
Total	0.2998	2.0000e-005	1.9900e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8800e-003	3.8800e-003	1.0000e-005	0.0000	4.1300e-003

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	17.0446	0.1993	4.8700e-003	23.4784
Unmitigated	17.0446	0.1993	4.8700e-003	23.4784

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.46058 / 0.273397	5.7487	0.0806	1.9600e-003	8.3478
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	3.61365 / 2.21482	11.2959	0.1187	2.9100e-003	15.1306
Total		17.0446	0.1993	4.8700e-003	23.4784

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Hotel	2.46058 / 0.273397	5.7487	0.0806	1.9600e-003	8.3478
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	3.61365 / 2.21482	11.2959	0.1187	2.9100e-003	15.1306
Total		17.0446	0.1993	4.8700e-003	23.4784

8.0 Waste Detail

8.1 Mitigation Measures Waste

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	81.4765	4.8151	0.0000	201.8546
Unmitigated	81.4765	4.8151	0.0000	201.8546

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	53.11	10.7809	0.6371	0.0000	26.7091
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	348.27	70.6957	4.1780	0.0000	175.1455
Total		81.4765	4.8151	0.0000	201.8546

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Hotel	53.11	10.7809	0.6371	0.0000	26.7091
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Recreational Swimming Pool	348.27	70.6957	4.1780	0.0000	175.1455
Total		81.4765	4.8151	0.0000	201.8546

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
