

Borrego Mini Golf - San Diego County, Annual

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

**Borrego Mini Golf  
San Diego County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Racquet Club	43.56	1000sqft	1.00	43,560.00	0
Parking Lot	54.00	Space	0.49	21,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	539.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use - Racquet club used as the land use most aligned with a mini golf facility.
- Construction Phase - CalEEMod defaults adjusted for a 6 month construction period
- Grading - 178 Cubic Yards of exported grading
- Vehicle Trips - ADT adjusted for anticipated 90 trips per day. CalEEMod trip lengths used.
- Energy Use - No natural gas used for the project.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	200.00	110.00
tblConstructionPhase	NumDays	4.00	3.00

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tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	PhaseEndDate	5/13/2024	12/25/2023
tblConstructionPhase	PhaseEndDate	4/15/2024	12/11/2023
tblConstructionPhase	PhaseEndDate	7/10/2023	7/6/2023
tblConstructionPhase	PhaseEndDate	4/29/2024	12/18/2023
tblConstructionPhase	PhaseEndDate	7/4/2023	7/3/2023
tblConstructionPhase	PhaseStartDate	4/30/2024	12/19/2023
tblConstructionPhase	PhaseStartDate	7/5/2023	7/4/2023
tblConstructionPhase	PhaseStartDate	4/16/2024	12/12/2023
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	T24NG	4.27	0.00
tblGrading	AcresOfGrading	3.00	4.00
tblGrading	AcresOfGrading	0.94	1.88
tblGrading	MaterialExported	0.00	178.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	21.35	0.45
tblVehicleTrips	SU_TR	17.40	0.45
tblVehicleTrips	WD_TR	14.03	0.45

**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	7-3-2023	9-30-2023	0.4282	0.4282
		Highest	0.4282	0.4282

**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	0.2228	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.7400e-003	0.0000	0.0000	1.8600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			89.1256	5.4500e-003	6.6000e-004	89.4585
Mobile	7.7900e-003	7.5300e-003	0.0627	1.2000e-004	0.0124	1.0000e-004	0.0125	3.3200e-003	9.0000e-005	3.4100e-003			10.9505	9.3000e-004	5.7000e-004	11.1425
Waste						0.0000	0.0000		0.0000	0.0000			50.4006	2.9786	0.0000	124.8654
Water						0.0000	0.0000		0.0000	0.0000			13.3305	0.0847	2.0700e-003	16.0666
<b>Total</b>	<b>0.2306</b>	<b>7.5400e-003</b>	<b>0.0636</b>	<b>1.2000e-004</b>	<b>0.0124</b>	<b>1.0000e-004</b>	<b>0.0125</b>	<b>3.3200e-003</b>	<b>9.0000e-005</b>	<b>3.4100e-003</b>			<b>163.8090</b>	<b>3.0697</b>	<b>3.3000e-003</b>	<b>241.5349</b>

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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	0.2228	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.7400e-003	0.0000	0.0000	1.8600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			89.1256	5.4500e-003	6.6000e-004	89.4585
Mobile	7.7900e-003	7.5300e-003	0.0627	1.2000e-004	0.0124	1.0000e-004	0.0125	3.3200e-003	9.0000e-005	3.4100e-003			10.9505	9.3000e-004	5.7000e-004	11.1425
Waste						0.0000	0.0000		0.0000	0.0000			50.4006	2.9786	0.0000	124.8654
Water						0.0000	0.0000		0.0000	0.0000			13.3305	0.0847	2.0700e-003	16.0666
<b>Total</b>	<b>0.2306</b>	<b>7.5400e-003</b>	<b>0.0636</b>	<b>1.2000e-004</b>	<b>0.0124</b>	<b>1.0000e-004</b>	<b>0.0125</b>	<b>3.3200e-003</b>	<b>9.0000e-005</b>	<b>3.4100e-003</b>			<b>163.8090</b>	<b>3.0697</b>	<b>3.3000e-003</b>	<b>241.5349</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	7/3/2023	7/3/2023	5	1	
2	Grading	Grading	7/4/2023	7/6/2023	5	3	
3	Building Construction	Building Construction	7/11/2023	12/11/2023	5	110	

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4	Paving	Paving	12/12/2023	12/18/2023	5	5
5	Architectural Coating	Architectural Coating	12/19/2023	12/25/2023	5	5

**Acres of Grading (Site Preparation Phase): 1.88**

**Acres of Grading (Grading Phase): 4**

**Acres of Paving: 0.49**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 65,340; Non-Residential Outdoor: 21,780; Striped Parking Area: 1,296 (Architectural Coating – sqft)**

**OffRoad Equipment**

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

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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
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	18.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	11.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 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					3.6300e-003	0.0000	3.6300e-003	1.5600e-003	0.0000	1.5600e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	6.2100e-003	3.3200e-003	1.0000e-005		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004			0.7557	2.4000e-004	0.0000	0.7618
<b>Total</b>	<b>5.7000e-004</b>	<b>6.2100e-003</b>	<b>3.3200e-003</b>	<b>1.0000e-005</b>	<b>3.6300e-003</b>	<b>2.5000e-004</b>	<b>3.8800e-003</b>	<b>1.5600e-003</b>	<b>2.3000e-004</b>	<b>1.7900e-003</b>			<b>0.7557</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7618</b>

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**3.2 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
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	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005			0.0391	0.0000	0.0000	0.0394
<b>Total</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>			<b>0.0391</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0394</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.6300e-003	0.0000	3.6300e-003	1.5600e-003	0.0000	1.5600e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	5.7000e-004	6.2100e-003	3.3200e-003	1.0000e-005		2.5000e-004	2.5000e-004		2.3000e-004	2.3000e-004			0.7557	2.4000e-004	0.0000	0.7618
<b>Total</b>	<b>5.7000e-004</b>	<b>6.2100e-003</b>	<b>3.3200e-003</b>	<b>1.0000e-005</b>	<b>3.6300e-003</b>	<b>2.5000e-004</b>	<b>3.8800e-003</b>	<b>1.5600e-003</b>	<b>2.3000e-004</b>	<b>1.7900e-003</b>			<b>0.7557</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>0.7618</b>



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**3.2 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
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	1.0000e-005	1.0000e-005	1.3000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005			0.0391	0.0000	0.0000	0.0394
<b>Total</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>			<b>0.0391</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0394</b>

**3.3 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					0.0112	0.0000	0.0112	5.1900e-003	0.0000	5.1900e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-003	0.0217	0.0131	3.0000e-005		9.1000e-004	9.1000e-004		8.3000e-004	8.3000e-004			2.7156	8.8000e-004	0.0000	2.7375
<b>Total</b>	<b>2.0000e-003</b>	<b>0.0217</b>	<b>0.0131</b>	<b>3.0000e-005</b>	<b>0.0112</b>	<b>9.1000e-004</b>	<b>0.0121</b>	<b>5.1900e-003</b>	<b>8.3000e-004</b>	<b>6.0200e-003</b>			<b>2.7156</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>2.7375</b>

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**3.3 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	2.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005			0.5401	3.0000e-005	9.0000e-005	0.5664
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	5.0000e-005	4.0000e-005	4.9000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005			0.1466	0.0000	0.0000	0.1478
<b>Total</b>	<b>7.0000e-005</b>	<b>1.2600e-003</b>	<b>8.1000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>9.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-004</b>			<b>0.6867</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.7142</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0112	0.0000	0.0112	5.1900e-003	0.0000	5.1900e-003			0.0000	0.0000	0.0000	0.0000
Off-Road	2.0000e-003	0.0217	0.0131	3.0000e-005		9.1000e-004	9.1000e-004		8.3000e-004	8.3000e-004			2.7156	8.8000e-004	0.0000	2.7375
<b>Total</b>	<b>2.0000e-003</b>	<b>0.0217</b>	<b>0.0131</b>	<b>3.0000e-005</b>	<b>0.0112</b>	<b>9.1000e-004</b>	<b>0.0121</b>	<b>5.1900e-003</b>	<b>8.3000e-004</b>	<b>6.0200e-003</b>			<b>2.7156</b>	<b>8.8000e-004</b>	<b>0.0000</b>	<b>2.7375</b>

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**3.3 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	2.0000e-005	1.2200e-003	3.2000e-004	1.0000e-005	1.5000e-004	1.0000e-005	1.6000e-004	4.0000e-005	1.0000e-005	5.0000e-005			0.5401	3.0000e-005	9.0000e-005	0.5664
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	5.0000e-005	4.0000e-005	4.9000e-004	0.0000	1.9000e-004	0.0000	1.9000e-004	5.0000e-005	0.0000	5.0000e-005			0.1466	0.0000	0.0000	0.1478
<b>Total</b>	<b>7.0000e-005</b>	<b>1.2600e-003</b>	<b>8.1000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.5000e-004</b>	<b>9.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-004</b>			<b>0.6867</b>	<b>3.0000e-005</b>	<b>9.0000e-005</b>	<b>0.7142</b>

**3.4 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	0.0838	0.6441	0.6936	1.2100e-003		0.0283	0.0283		0.0273	0.0273			99.8795	0.0170	0.0000	100.3035
<b>Total</b>	<b>0.0838</b>	<b>0.6441</b>	<b>0.6936</b>	<b>1.2100e-003</b>		<b>0.0283</b>	<b>0.0283</b>		<b>0.0273</b>	<b>0.0273</b>			<b>99.8795</b>	<b>0.0170</b>	<b>0.0000</b>	<b>100.3035</b>

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**3.4 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
Vendor	6.8000e-004	0.0250	9.1000e-003	1.1000e-004	3.6300e-003	1.4000e-004	3.7800e-003	1.0500e-003	1.4000e-004	1.1900e-003			11.0602	3.3000e-004	1.6000e-003	11.5466
Worker	5.2800e-003	3.9100e-003	0.0484	1.6000e-004	0.0185	1.0000e-004	0.0186	4.9200e-003	9.0000e-005	5.0100e-003			14.5144	3.4000e-004	3.6000e-004	14.6311
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0289</b>	<b>0.0575</b>	<b>2.7000e-004</b>	<b>0.0222</b>	<b>2.4000e-004</b>	<b>0.0224</b>	<b>5.9700e-003</b>	<b>2.3000e-004</b>	<b>6.2000e-003</b>			<b>25.5746</b>	<b>6.7000e-004</b>	<b>1.9600e-003</b>	<b>26.1777</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0838	0.6441	0.6936	1.2100e-003		0.0283	0.0283		0.0273	0.0273			99.8794	0.0170	0.0000	100.3034
<b>Total</b>	<b>0.0838</b>	<b>0.6441</b>	<b>0.6936</b>	<b>1.2100e-003</b>		<b>0.0283</b>	<b>0.0283</b>		<b>0.0273</b>	<b>0.0273</b>			<b>99.8794</b>	<b>0.0170</b>	<b>0.0000</b>	<b>100.3034</b>

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**3.4 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
Vendor	6.8000e-004	0.0250	9.1000e-003	1.1000e-004	3.6300e-003	1.4000e-004	3.7800e-003	1.0500e-003	1.4000e-004	1.1900e-003			11.0602	3.3000e-004	1.6000e-003	11.5466
Worker	5.2800e-003	3.9100e-003	0.0484	1.6000e-004	0.0185	1.0000e-004	0.0186	4.9200e-003	9.0000e-005	5.0100e-003			14.5144	3.4000e-004	3.6000e-004	14.6311
<b>Total</b>	<b>5.9600e-003</b>	<b>0.0289</b>	<b>0.0575</b>	<b>2.7000e-004</b>	<b>0.0222</b>	<b>2.4000e-004</b>	<b>0.0224</b>	<b>5.9700e-003</b>	<b>2.3000e-004</b>	<b>6.2000e-003</b>			<b>25.5746</b>	<b>6.7000e-004</b>	<b>1.9600e-003</b>	<b>26.1777</b>

**3.5 Paving - 2023**

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6100e-003	0.0156	0.0220	3.0000e-005		7.7000e-004	7.7000e-004		7.1000e-004	7.1000e-004			2.9431	9.3000e-004	0.0000	2.9664
Paving	6.4000e-004					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.2500e-003</b>	<b>0.0156</b>	<b>0.0220</b>	<b>3.0000e-005</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.1000e-004</b>	<b>7.1000e-004</b>			<b>2.9431</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>2.9664</b>

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**3.5 Paving - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
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	1.2000e-004	9.0000e-005	1.0600e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004			0.3177	1.0000e-005	1.0000e-005	0.3202
<b>Total</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>			<b>0.3177</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3202</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6100e-003	0.0156	0.0220	3.0000e-005		7.7000e-004	7.7000e-004		7.1000e-004	7.1000e-004			2.9431	9.3000e-004	0.0000	2.9664
Paving	6.4000e-004					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>2.2500e-003</b>	<b>0.0156</b>	<b>0.0220</b>	<b>3.0000e-005</b>		<b>7.7000e-004</b>	<b>7.7000e-004</b>		<b>7.1000e-004</b>	<b>7.1000e-004</b>			<b>2.9431</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>2.9664</b>

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**3.5 Paving - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
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	1.2000e-004	9.0000e-005	1.0600e-003	0.0000	4.1000e-004	0.0000	4.1000e-004	1.1000e-004	0.0000	1.1000e-004			0.3177	1.0000e-005	1.0000e-005	0.3202
<b>Total</b>	<b>1.2000e-004</b>	<b>9.0000e-005</b>	<b>1.0600e-003</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>4.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>1.1000e-004</b>			<b>0.3177</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.3202</b>

**3.6 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	0.5123					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004			0.6383	4.0000e-005	0.0000	0.6393
<b>Total</b>	<b>0.5127</b>	<b>3.2600e-003</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>		<b>1.8000e-004</b>	<b>1.8000e-004</b>		<b>1.8000e-004</b>	<b>1.8000e-004</b>			<b>0.6383</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6393</b>

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**3.6 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
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	4.0000e-005	3.0000e-005	4.1000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005			0.1222	0.0000	0.0000	0.1232
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>			<b>0.1222</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1232</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5123					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Off-Road	4.8000e-004	3.2600e-003	4.5300e-003	1.0000e-005		1.8000e-004	1.8000e-004		1.8000e-004	1.8000e-004			0.6383	4.0000e-005	0.0000	0.6393
<b>Total</b>	<b>0.5127</b>	<b>3.2600e-003</b>	<b>4.5300e-003</b>	<b>1.0000e-005</b>		<b>1.8000e-004</b>	<b>1.8000e-004</b>		<b>1.8000e-004</b>	<b>1.8000e-004</b>			<b>0.6383</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6393</b>



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**3.6 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
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	4.0000e-005	3.0000e-005	4.1000e-004	0.0000	1.6000e-004	0.0000	1.6000e-004	4.0000e-005	0.0000	4.0000e-005			0.1222	0.0000	0.0000	0.1232
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>			<b>0.1222</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1232</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	7.7900e-003	7.5300e-003	0.0627	1.2000e-004	0.0124	1.0000e-004	0.0125	3.3200e-003	9.0000e-005	3.4100e-003			10.9505	9.3000e-004	5.7000e-004	11.1425
Unmitigated	7.7900e-003	7.5300e-003	0.0627	1.2000e-004	0.0124	1.0000e-004	0.0125	3.3200e-003	9.0000e-005	3.4100e-003			10.9505	9.3000e-004	5.7000e-004	11.1425

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Racquet Club	19.60	19.60	19.60	33,248	33,248
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>19.60</b>	<b>19.60</b>	<b>19.60</b>	<b>33,248</b>	<b>33,248</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Racquet Club	14.70	6.60	6.60	11.50	69.50	19.00	52	39	9
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Racquet Club	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

**5.0 Energy Detail**

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

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			89.1256	5.4500e-003	6.6000e-004	89.4585
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000			89.1256	5.4500e-003	6.6000e-004	89.4585
Natural Gas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Natural Gas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Racquet Club	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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
Racquet Club	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

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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			
Parking Lot	7560	1.8517	1.1000e-004	1.0000e-005	1.8586
Racquet Club	356321	87.2739	5.3300e-003	6.5000e-004	87.5999
<b>Total</b>		<b>89.1256</b>	<b>5.4400e-003</b>	<b>6.6000e-004</b>	<b>89.4585</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	7560	1.8517	1.1000e-004	1.0000e-005	1.8586
Racquet Club	356321	87.2739	5.3300e-003	6.5000e-004	87.5999
<b>Total</b>		<b>89.1256</b>	<b>5.4400e-003</b>	<b>6.6000e-004</b>	<b>89.4585</b>

**6.0 Area Detail**

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**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2228	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.7400e-003	0.0000	0.0000	1.8600e-003
Unmitigated	0.2228	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.7400e-003	0.0000	0.0000	1.8600e-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	0.0512					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1715					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.7400e-003	0.0000	0.0000	1.8600e-003
<b>Total</b>	<b>0.2228</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>			<b>1.7400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8600e-003</b>

Borrego Mini Golf - San Diego County, Annual

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0512					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1715					0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Landscaping	8.0000e-005	1.0000e-005	9.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000			1.7400e-003	0.0000	0.0000	1.8600e-003
<b>Total</b>	<b>0.2228</b>	<b>1.0000e-005</b>	<b>9.0000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>			<b>1.7400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.8600e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.3305	0.0847	2.0700e-003	16.0666
Unmitigated	13.3305	0.0847	2.0700e-003	16.0666

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Racquet Club	2.57628 / 1.57901	13.3305	0.0847	2.0700e-003	16.0666
<b>Total</b>		<b>13.3305</b>	<b>0.0847</b>	<b>2.0700e-003</b>	<b>16.0666</b>



Borrego Mini Golf - San Diego County, Annual

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

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Racquet Club	2.57628 / 1.57901	13.3305	0.0847	2.0700e-003	16.0666
<b>Total</b>		<b>13.3305</b>	<b>0.0847</b>	<b>2.0700e-003</b>	<b>16.0666</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	50.4006	2.9786	0.0000	124.8654
Unmitigated	50.4006	2.9786	0.0000	124.8654

Borrego Mini Golf - San Diego County, Annual

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

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Racquet Club	248.29	50.4006	2.9786	0.0000	124.8654
<b>Total</b>		<b>50.4006</b>	<b>2.9786</b>	<b>0.0000</b>	<b>124.8654</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Racquet Club	248.29	50.4006	2.9786	0.0000	124.8654
<b>Total</b>		<b>50.4006</b>	<b>2.9786</b>	<b>0.0000</b>	<b>124.8654</b>

**9.0 Operational Offroad**

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

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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Borrego Mini Golf - San Diego County, Summer

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

**Borrego Mini Golf  
San Diego County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Racquet Club	43.56	1000sqft	1.00	43,560.00	0
Parking Lot	54.00	Space	0.49	21,600.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.6	<b>Precipitation Freq (Days)</b>	40
<b>Climate Zone</b>	13			<b>Operational Year</b>	2024
<b>Utility Company</b>	San Diego Gas & Electric				
<b>CO2 Intensity (lb/MWhr)</b>	539.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use - Racquet club used as the land use most aligned with a mini golf facility.
- Construction Phase - CalEEMod defaults adjusted for a 6 month construction period
- Grading - 178 Cubic Yards of exported grading
- Vehicle Trips - ADT adjusted for anticipated 90 trips per day. CalEEMod trip lengths used.
- Energy Use - No natural gas used for the project.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	200.00	110.00
tblConstructionPhase	NumDays	4.00	3.00

Borrego Mini Golf - San Diego County, Summer

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

tblConstructionPhase	NumDays	10.00	5.00
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	PhaseEndDate	5/13/2024	12/25/2023
tblConstructionPhase	PhaseEndDate	4/15/2024	12/11/2023
tblConstructionPhase	PhaseEndDate	7/10/2023	7/6/2023
tblConstructionPhase	PhaseEndDate	4/29/2024	12/18/2023
tblConstructionPhase	PhaseEndDate	7/4/2023	7/3/2023
tblConstructionPhase	PhaseStartDate	4/30/2024	12/19/2023
tblConstructionPhase	PhaseStartDate	7/5/2023	7/4/2023
tblConstructionPhase	PhaseStartDate	4/16/2024	12/12/2023
tblEnergyUse	NT24NG	7.25	0.00
tblEnergyUse	T24NG	4.27	0.00
tblGrading	AcresOfGrading	3.00	4.00
tblGrading	AcresOfGrading	0.94	1.88
tblGrading	MaterialExported	0.00	178.00
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblVehicleTrips	ST_TR	21.35	0.45
tblVehicleTrips	SU_TR	17.40	0.45
tblVehicleTrips	WD_TR	14.03	0.45

**2.0 Emissions Summary**

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Borrego Mini Golf - San Diego County, Summer

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2214	9.0000e-005	9.9400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0214	6.0000e-005		0.0227
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Mobile	0.0453	0.0386	0.3365	6.8000e-004	0.0700	5.3000e-004	0.0705	0.0186	4.9000e-004	0.0191			68.8886	5.3500e-003	3.2800e-003	70.0000
<b>Total</b>	<b>1.2667</b>	<b>0.0387</b>	<b>0.3464</b>	<b>6.8000e-004</b>	<b>0.0700</b>	<b>5.7000e-004</b>	<b>0.0706</b>	<b>0.0186</b>	<b>5.3000e-004</b>	<b>0.0192</b>			<b>68.9099</b>	<b>5.4100e-003</b>	<b>3.2800e-003</b>	<b>70.0228</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2214	9.0000e-005	9.9400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0214	6.0000e-005		0.0227
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Mobile	0.0453	0.0386	0.3365	6.8000e-004	0.0700	5.3000e-004	0.0705	0.0186	4.9000e-004	0.0191			68.8886	5.3500e-003	3.2800e-003	70.0000
<b>Total</b>	<b>1.2667</b>	<b>0.0387</b>	<b>0.3464</b>	<b>6.8000e-004</b>	<b>0.0700</b>	<b>5.7000e-004</b>	<b>0.0706</b>	<b>0.0186</b>	<b>5.3000e-004</b>	<b>0.0192</b>			<b>68.9099</b>	<b>5.4100e-003</b>	<b>3.2800e-003</b>	<b>70.0228</b>

Borrego Mini Golf - San Diego County, Summer

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

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

**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	7/3/2023	7/3/2023	5	1	
2	Grading	Grading	7/4/2023	7/6/2023	5	3	
3	Building Construction	Building Construction	7/11/2023	12/11/2023	5	110	
4	Paving	Paving	12/12/2023	12/18/2023	5	5	
5	Architectural Coating	Architectural Coating	12/19/2023	12/25/2023	5	5	

**Acres of Grading (Site Preparation Phase): 1.88**

**Acres of Grading (Grading Phase): 4**

**Acres of Paving: 0.49**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 65,340; Non-Residential Outdoor: 21,780; Striped Parking Area: 1,296 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Grading	Graders	1	8.00	187	0.41



Borrego Mini Golf - San Diego County, Summer

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

Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Paving Equipment	1	8.00	132	0.36
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
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	8.00	97	0.37
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	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	18.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	27.00	11.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Borrego Mini Golf - San Diego County, Summer

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

**3.2 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2631	0.0000	7.2631	3.1117	0.0000	3.1117			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668			1,666.0573	0.5388		1,679.5282
<b>Total</b>	<b>1.1339</b>	<b>12.4250</b>	<b>6.6420</b>	<b>0.0172</b>	<b>7.2631</b>	<b>0.5074</b>	<b>7.7705</b>	<b>3.1117</b>	<b>0.4668</b>	<b>3.5785</b>			<b>1,666.0573</b>	<b>0.5388</b>		<b>1,679.5282</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
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	0.0283	0.0191	0.2795	8.9000e-004	0.1022	5.3000e-004	0.1027	0.0271	4.9000e-004	0.0276			90.4389	1.9800e-003	2.0200e-003	91.0907
<b>Total</b>	<b>0.0283</b>	<b>0.0191</b>	<b>0.2795</b>	<b>8.9000e-004</b>	<b>0.1022</b>	<b>5.3000e-004</b>	<b>0.1027</b>	<b>0.0271</b>	<b>4.9000e-004</b>	<b>0.0276</b>			<b>90.4389</b>	<b>1.9800e-003</b>	<b>2.0200e-003</b>	<b>91.0907</b>

Borrego Mini Golf - San Diego County, Summer

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

**3.2 Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2631	0.0000	7.2631	3.1117	0.0000	3.1117			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668			1,666.0573	0.5388		1,679.5282
<b>Total</b>	<b>1.1339</b>	<b>12.4250</b>	<b>6.6420</b>	<b>0.0172</b>	<b>7.2631</b>	<b>0.5074</b>	<b>7.7705</b>	<b>3.1117</b>	<b>0.4668</b>	<b>3.5785</b>			<b>1,666.0573</b>	<b>0.5388</b>		<b>1,679.5282</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
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	0.0283	0.0191	0.2795	8.9000e-004	0.1022	5.3000e-004	0.1027	0.0271	4.9000e-004	0.0276			90.4389	1.9800e-003	2.0200e-003	91.0907
<b>Total</b>	<b>0.0283</b>	<b>0.0191</b>	<b>0.2795</b>	<b>8.9000e-004</b>	<b>0.1022</b>	<b>5.3000e-004</b>	<b>0.1027</b>	<b>0.0271</b>	<b>4.9000e-004</b>	<b>0.0276</b>			<b>90.4389</b>	<b>1.9800e-003</b>	<b>2.0200e-003</b>	<b>91.0907</b>

Borrego Mini Golf - San Diego County, Summer

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

**3.3 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4361	0.0000	7.4361	3.4629	0.0000	3.4629			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560			1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>7.4361</b>	<b>0.6044</b>	<b>8.0404</b>	<b>3.4629</b>	<b>0.5560</b>	<b>4.0189</b>			<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0136	0.7849	0.2156	3.5900e-003	0.1049	6.6600e-003	0.1116	0.0288	6.3700e-003	0.0351			396.7664	0.0200	0.0631	416.0689
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	0.0354	0.0239	0.3493	1.1200e-003	0.1277	6.6000e-004	0.1284	0.0339	6.1000e-004	0.0345			113.0486	2.4700e-003	2.5300e-003	113.8634
<b>Total</b>	<b>0.0490</b>	<b>0.8088</b>	<b>0.5649</b>	<b>4.7100e-003</b>	<b>0.2327</b>	<b>7.3200e-003</b>	<b>0.2400</b>	<b>0.0626</b>	<b>6.9800e-003</b>	<b>0.0696</b>			<b>509.8150</b>	<b>0.0225</b>	<b>0.0656</b>	<b>529.9323</b>

Borrego Mini Golf - San Diego County, Summer

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

**3.3 Grading - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.4361	0.0000	7.4361	3.4629	0.0000	3.4629			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560			1,995.6147	0.6454		2,011.7503
<b>Total</b>	<b>1.3330</b>	<b>14.4676</b>	<b>8.7038</b>	<b>0.0206</b>	<b>7.4361</b>	<b>0.6044</b>	<b>8.0404</b>	<b>3.4629</b>	<b>0.5560</b>	<b>4.0189</b>			<b>1,995.6147</b>	<b>0.6454</b>		<b>2,011.7503</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0136	0.7849	0.2156	3.5900e-003	0.1049	6.6600e-003	0.1116	0.0288	6.3700e-003	0.0351			396.7664	0.0200	0.0631	416.0689
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	0.0354	0.0239	0.3493	1.1200e-003	0.1277	6.6000e-004	0.1284	0.0339	6.1000e-004	0.0345			113.0486	2.4700e-003	2.5300e-003	113.8634
<b>Total</b>	<b>0.0490</b>	<b>0.8088</b>	<b>0.5649</b>	<b>4.7100e-003</b>	<b>0.2327</b>	<b>7.3200e-003</b>	<b>0.2400</b>	<b>0.0626</b>	<b>6.9800e-003</b>	<b>0.0696</b>			<b>509.8150</b>	<b>0.0225</b>	<b>0.0656</b>	<b>529.9323</b>

Borrego Mini Golf - San Diego County, Summer

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

**3.4 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	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968			2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>			<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0126	0.4384	0.1632	2.0500e-003	0.0674	2.6100e-003	0.0700	0.0194	2.4900e-003	0.0219			221.5241	6.7200e-003	0.0321	231.2578
Worker	0.0955	0.0645	0.9431	3.0200e-003	0.3449	1.7800e-003	0.3467	0.0915	1.6400e-003	0.0931			305.2311	6.6700e-003	6.8200e-003	307.4312
<b>Total</b>	<b>0.1081</b>	<b>0.5029</b>	<b>1.1063</b>	<b>5.0700e-003</b>	<b>0.4123</b>	<b>4.3900e-003</b>	<b>0.4166</b>	<b>0.1109</b>	<b>4.1300e-003</b>	<b>0.1150</b>			<b>526.7552</b>	<b>0.0134</b>	<b>0.0389</b>	<b>538.6889</b>

Borrego Mini Golf - San Diego County, Summer

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

**3.4 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968			2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>			<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
Vendor	0.0126	0.4384	0.1632	2.0500e-003	0.0674	2.6100e-003	0.0700	0.0194	2.4900e-003	0.0219			221.5241	6.7200e-003	0.0321	231.2578
Worker	0.0955	0.0645	0.9431	3.0200e-003	0.3449	1.7800e-003	0.3467	0.0915	1.6400e-003	0.0931			305.2311	6.6700e-003	6.8200e-003	307.4312
<b>Total</b>	<b>0.1081</b>	<b>0.5029</b>	<b>1.1063</b>	<b>5.0700e-003</b>	<b>0.4123</b>	<b>4.3900e-003</b>	<b>0.4166</b>	<b>0.1109</b>	<b>4.1300e-003</b>	<b>0.1150</b>			<b>526.7552</b>	<b>0.0134</b>	<b>0.0389</b>	<b>538.6889</b>

Borrego Mini Golf - San Diego County, Summer

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

**3.5 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846			1,297.6880	0.4114		1,307.9725
Paving	0.2568					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9014</b>	<b>6.2357</b>	<b>8.8024</b>	<b>0.0136</b>		<b>0.3084</b>	<b>0.3084</b>		<b>0.2846</b>	<b>0.2846</b>			<b>1,297.6880</b>	<b>0.4114</b>		<b>1,307.9725</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
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	0.0460	0.0311	0.4541	1.4500e-003	0.1661	8.6000e-004	0.1669	0.0440	7.9000e-004	0.0448			146.9631	3.2100e-003	3.2900e-003	148.0224
<b>Total</b>	<b>0.0460</b>	<b>0.0311</b>	<b>0.4541</b>	<b>1.4500e-003</b>	<b>0.1661</b>	<b>8.6000e-004</b>	<b>0.1669</b>	<b>0.0440</b>	<b>7.9000e-004</b>	<b>0.0448</b>			<b>146.9631</b>	<b>3.2100e-003</b>	<b>3.2900e-003</b>	<b>148.0224</b>



Borrego Mini Golf - San Diego County, Summer

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

**3.5 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6446	6.2357	8.8024	0.0136		0.3084	0.3084		0.2846	0.2846			1,297.6880	0.4114		1,307.9725
Paving	0.2568					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9014</b>	<b>6.2357</b>	<b>8.8024</b>	<b>0.0136</b>		<b>0.3084</b>	<b>0.3084</b>		<b>0.2846</b>	<b>0.2846</b>			<b>1,297.6880</b>	<b>0.4114</b>		<b>1,307.9725</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
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	0.0460	0.0311	0.4541	1.4500e-003	0.1661	8.6000e-004	0.1669	0.0440	7.9000e-004	0.0448			146.9631	3.2100e-003	3.2900e-003	148.0224
<b>Total</b>	<b>0.0460</b>	<b>0.0311</b>	<b>0.4541</b>	<b>1.4500e-003</b>	<b>0.1661</b>	<b>8.6000e-004</b>	<b>0.1669</b>	<b>0.0440</b>	<b>7.9000e-004</b>	<b>0.0448</b>			<b>146.9631</b>	<b>3.2100e-003</b>	<b>3.2900e-003</b>	<b>148.0224</b>

Borrego Mini Golf - San Diego County, Summer

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

**3.6 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	lb/day										lb/day					
Archit. Coating	204.9041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708			281.4481	0.0168		281.8690
<b>Total</b>	<b>205.0957</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>			<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
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	0.0177	0.0120	0.1747	5.6000e-004	0.0639	3.3000e-004	0.0642	0.0169	3.0000e-004	0.0172			56.5243	1.2400e-003	1.2600e-003	56.9317
<b>Total</b>	<b>0.0177</b>	<b>0.0120</b>	<b>0.1747</b>	<b>5.6000e-004</b>	<b>0.0639</b>	<b>3.3000e-004</b>	<b>0.0642</b>	<b>0.0169</b>	<b>3.0000e-004</b>	<b>0.0172</b>			<b>56.5243</b>	<b>1.2400e-003</b>	<b>1.2600e-003</b>	<b>56.9317</b>

Borrego Mini Golf - San Diego County, Summer

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

**3.6 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	204.9041					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708			281.4481	0.0168		281.8690
<b>Total</b>	<b>205.0957</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>			<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
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	0.0177	0.0120	0.1747	5.6000e-004	0.0639	3.3000e-004	0.0642	0.0169	3.0000e-004	0.0172			56.5243	1.2400e-003	1.2600e-003	56.9317
<b>Total</b>	<b>0.0177</b>	<b>0.0120</b>	<b>0.1747</b>	<b>5.6000e-004</b>	<b>0.0639</b>	<b>3.3000e-004</b>	<b>0.0642</b>	<b>0.0169</b>	<b>3.0000e-004</b>	<b>0.0172</b>			<b>56.5243</b>	<b>1.2400e-003</b>	<b>1.2600e-003</b>	<b>56.9317</b>

Borrego Mini Golf - San Diego County, Summer

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0453	0.0386	0.3365	6.8000e-004	0.0700	5.3000e-004	0.0705	0.0186	4.9000e-004	0.0191			68.8886	5.3500e-003	3.2800e-003	70.0000
Unmitigated	0.0453	0.0386	0.3365	6.8000e-004	0.0700	5.3000e-004	0.0705	0.0186	4.9000e-004	0.0191			68.8886	5.3500e-003	3.2800e-003	70.0000

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Racquet Club	19.60	19.60	19.60	33,248	33,248
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>19.60</b>	<b>19.60</b>	<b>19.60</b>	<b>33,248</b>	<b>33,248</b>

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Racquet Club	14.70	6.60	6.60	11.50	69.50	19.00	52	39	9
Parking Lot	14.70	6.60	6.60	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Borrego Mini Golf - San Diego County, Summer

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

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Racquet Club	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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000			0.0000	0.0000	0.0000	0.0000

Borrego Mini Golf - San Diego County, Summer

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

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Racquet Club	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
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
Racquet Club	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
<b>Total</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>			<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**6.0 Area Detail**

Borrego Mini Golf - San Diego County, Summer

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

**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										lb/day					
Mitigated	1.2214	9.0000e-005	9.9400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0214	6.0000e-005		0.0227
Unmitigated	1.2214	9.0000e-005	9.9400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0214	6.0000e-005		0.0227

**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9398					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.2000e-004	9.0000e-005	9.9400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0214	6.0000e-005		0.0227
<b>Total</b>	<b>1.2214</b>	<b>9.0000e-005</b>	<b>9.9400e-003</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>			<b>0.0214</b>	<b>6.0000e-005</b>		<b>0.0227</b>

Borrego Mini Golf - San Diego County, Summer

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.2807					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.9398					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.2000e-004	9.0000e-005	9.9400e-003	0.0000		4.0000e-005	4.0000e-005		4.0000e-005	4.0000e-005			0.0214	6.0000e-005		0.0227
<b>Total</b>	<b>1.2214</b>	<b>9.0000e-005</b>	<b>9.9400e-003</b>	<b>0.0000</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>		<b>4.0000e-005</b>	<b>4.0000e-005</b>			<b>0.0214</b>	<b>6.0000e-005</b>		<b>0.0227</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



Borrego Mini Golf - San Diego County, Summer

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

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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