

APPENDIX B

California Emissions Estimator Model Energy and Utility Outputs

Muslim Community Association School Expansion

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

**Muslim Community Association Project - Existing Use
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	90.00	1000sqft	9.90	90,000.00	0
Place of Worship	1,800.00	Seat	0.00	0.00	0
Free-Standing Discount store	34.90	1000sqft	0.00	34,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2023
Utility Company	Silicon Valley Power				
CO2 Intensity (lb/MW hr)	650	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2021 Power Content Label for SVP for non-residential uses <https://www.siliconvalleypower.com/svp-and-community/about-svp/power-content-label>

Land Use - Existing Muslim Community Association Building (MCA-1) and included prayer room capacity for trip generation rates. MCA-3 non-profit building

Construction Phase - Operation model only, no construction

Off-road Equipment - No construction modeling

Grading -

Vehicle Trips - MCA School Trip Generation Estiatmes for the existing MCA-1 site (2438 trips/90.000 ksf = 27.09 trips per ksf). Default place of worship trips except for weekdays. Default non-profit trips.

Water And Wastewater - Prayer room is part of the existing MCA-1 and would not have separate water use from the MCA-1

Solid Waste - Prayer room is part of the existing MCA-1 and would not have separate solid waste generation from the MCA-1

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	1/13/2023	1/1/2023
tblLandUse	LandUseSquareFeet	90,909.09	0.00
tblLandUse	LotAcreage	2.07	9.90
tblLandUse	LotAcreage	2.09	0.00
tblLandUse	LotAcreage	0.80	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	307.98	650
tblSolidWaste	SolidWasteGenerationRate	16,200.00	0.00
tblVehicleTrips	WD_TR	19.52	27.09
tblVehicleTrips	WD_TR	0.44	0.00
tblWater	IndoorWaterUseRate	2,844,446.22	0.00
tblWater	OutdoorWaterUseRate	4,449,005.62	0.00

2.0 Emissions Summary

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

		Highest		
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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5546	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Energy	9.3100e-003	0.0846	0.0711	5.1000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	337.5281	337.5281	0.0142	3.2000e-003	338.8370
Mobile	1.5341	1.5780	13.5682	0.0264	2.8179	0.0194	2.8373	0.7522	0.0181	0.7703	0.0000	2,462.5376	2,462.5376	0.1761	0.1235	2,503.7356
Waste						0.0000	0.0000		0.0000	0.0000	54.2169	0.0000	54.2169	3.2041	0.0000	134.3200
Water						0.0000	0.0000		0.0000	0.0000	1.6481	16.8476	18.4957	0.1701	4.1000e-003	23.9709
Total	2.0980	1.6628	13.6569	0.0270	2.8179	0.0259	2.8438	0.7522	0.0246	0.7767	55.8650	2,816.9476	2,872.8125	3.5646	0.1308	3,000.9001

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5546	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Energy	9.3100e-003	0.0846	0.0711	5.1000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	337.5281	337.5281	0.0142	3.2000e-003	338.8370
Mobile	1.5341	1.5780	13.5682	0.0264	2.8179	0.0194	2.8373	0.7522	0.0181	0.7703	0.0000	2,462.5376	2,462.5376	0.1761	0.1235	2,503.7356
Waste						0.0000	0.0000		0.0000	0.0000	54.2169	0.0000	54.2169	3.2041	0.0000	134.3200
Water						0.0000	0.0000		0.0000	0.0000	1.6481	16.8476	18.4957	0.1701	4.1000e-003	23.9709
Total	2.0980	1.6628	13.6569	0.0270	2.8179	0.0259	2.8438	0.7522	0.0246	0.7767	55.8650	2,816.9476	2,872.8125	3.5646	0.1308	3,000.9001

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/1/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.5341	1.5780	13.5682	0.0264	2.8179	0.0194	2.8373	0.7522	0.0181	0.7703	0.0000	2,462.5376	2,462.5376	0.1761	0.1235	2,503.7356
Unmitigated	1.5341	1.5780	13.5682	0.0264	2.8179	0.0194	2.8373	0.7522	0.0181	0.7703	0.0000	2,462.5376	2,462.5376	0.1761	0.1235	2,503.7356

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	2,438.10	0.00	0.00	3,839,901	3,839,901
Place of Worship	0.00	450.00	2178.00	702,309	702,309
Free-Standing Discount store	1,853.89	2,469.52	2101.33	3,082,948	3,082,948
Total	4,291.99	2,919.52	4,279.33	7,625,159	7,625,159

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
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11
Free-Standing Discount store	9.50	7.30	7.30	12.20	68.80	19.00	47.5	35.5	17

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.002838
Place of Worship	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.002838
Free-Standing Discount store	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.002838

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	245.4239	245.4239	0.0125	1.5100e-003	246.1855
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	245.4239	245.4239	0.0125	1.5100e-003	246.1855
NaturalGas Mitigated	9.3100e-003	0.0846	0.0711	5.1000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	92.1041	92.1041	1.7700e-003	1.6900e-003	92.6515
NaturalGas Unmitigated	9.3100e-003	0.0846	0.0711	5.1000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	92.1041	92.1041	1.7700e-003	1.6900e-003	92.6515

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	1.6443e+006	8.8700e-003	0.0806	0.0677	4.8000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	87.7461	87.7461	1.6800e-003	1.6100e-003	88.2675
Free-Standing Discount store	81666	4.4000e-004	4.0000e-003	3.3600e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3580	4.3580	8.0000e-005	8.0000e-005	4.3839
Place of Worship	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		9.3100e-003	0.0846	0.0711	5.0000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	92.1041	92.1041	1.7600e-003	1.6900e-003	92.6515

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

5.2 Energy by Land Use - Natural Gas

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					
Elementary School	1.6443e+006	8.8700e-003	0.0806	0.0677	4.8000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	87.7461	87.7461	1.6800e-003	1.6100e-003	88.2675
Free-Standing Discount store	81666	4.4000e-004	4.0000e-003	3.3600e-003	2.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.0000	4.3580	4.3580	8.0000e-005	8.0000e-005	4.3839
Place of Worship	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		9.3100e-003	0.0846	0.0711	5.0000e-004		6.4300e-003	6.4300e-003		6.4300e-003	6.4300e-003	0.0000	92.1041	92.1041	1.7600e-003	1.6900e-003	92.6515

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	469800	138.5135	7.0300e-003	8.5000e-004	138.9433
Free-Standing Discount store	362611	106.9104	5.4300e-003	6.6000e-004	107.2422
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Total		245.4239	0.0125	1.5100e-003	246.1855

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	469800	138.5135	7.0300e-003	8.5000e-004	138.9433
Free-Standing Discount store	362611	106.9104	5.4300e-003	6.6000e-004	107.2422
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Total		245.4239	0.0125	1.5100e-003	246.1855

6.0 Area Detail

6.1 Mitigation Measures Area

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5546	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Unmitigated	0.5546	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0651					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4878					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6400e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Total	0.5546	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0651					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4878					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6400e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Total	0.5546	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367

7.0 Water Detail

7.1 Mitigation Measures Water

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	18.4957	0.1701	4.1000e-003	23.9709
Unmitigated	18.4957	0.1701	4.1000e-003	23.9709

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	2.60972 / 6.71072	11.9163	0.0856	2.0800e-003	14.6750
Free-Standing Discount store	2.58513 / 1.58444	6.5794	0.0845	2.0200e-003	9.2959
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		18.4957	0.1701	4.1000e-003	23.9709

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	2.60972 / 6.71072	11.9163	0.0856	2.0800e-003	14.6750
Free-Standing Discount store	2.58513 / 1.58444	6.5794	0.0845	2.0200e-003	9.2959
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		18.4957	0.1701	4.1000e-003	23.9709

8.0 Waste Detail

8.1 Mitigation Measures Waste

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	54.2169	3.2041	0.0000	134.3200
Unmitigated	54.2169	3.2041	0.0000	134.3200

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	117	23.7499	1.4036	0.0000	58.8395
Free-Standing Discount store	150.09	30.4669	1.8005	0.0000	75.4805
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Total		54.2169	3.2041	0.0000	134.3200

Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	117	23.7499	1.4036	0.0000	58.8395
Free-Standing Discount store	150.09	30.4669	1.8005	0.0000	75.4805
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Total		54.2169	3.2041	0.0000	134.3200

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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Muslim Community Association Project - Existing Use - Santa Clara County, Annual

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

11.0 Vegetation

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

Muslim Community Association Project - Proposed Expansion

Santa Clara County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	90.00	1000sqft	9.90	90,000.00	0
Place of Worship	1,800.00	Seat	0.00	0.00	0
High School	35.80	1000sqft	0.00	35,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2023
Utility Company	Silicon Valley Power				
CO2 Intensity (lb/MW hr)	650	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - 2021 Power Content Label for SVP for non-residential uses <https://www.siliconvalleypower.com/svp-and-community/about-svp/power-content-label>

Land Use - Expanded Muslim Community Association Building (MCA-1 and MCA-3) and included prayer room capacity for trip generation rates

Construction Phase - Operation model only, no construction

Off-road Equipment - No construction modeling

Grading -

Vehicle Trips - Existing MCA-1 site (2438 trips/90.000 ksf = 27.09 trips per ksf). MCA-3 Middle/high school = 2079 trips/35.8ksf =58.07 trips per ksk. Default place of worship trips except for weekdays

Water And Wastewater - Prayer room is part of the existing MCA-1 and would not have separate water use from the MCA-1

Solid Waste - Prayer room is part of the existing MCA-1 and would not have separate solid waste generation from the MCA-1

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	10.00	0.00
tblConstructionPhase	PhaseEndDate	1/13/2023	1/1/2023
tblLandUse	LandUseSquareFeet	90,909.09	0.00
tblLandUse	LotAcreage	2.07	9.90
tblLandUse	LotAcreage	2.09	0.00
tblLandUse	LotAcreage	0.82	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	307.98	650
tblSolidWaste	SolidWasteGenerationRate	16,200.00	0.00
tblVehicleTrips	ST_TR	3.98	0.00
tblVehicleTrips	SU_TR	1.71	0.00
tblVehicleTrips	WD_TR	19.52	27.09
tblVehicleTrips	WD_TR	0.44	0.00
tblVehicleTrips	WD_TR	14.07	58.02
tblWater	IndoorWaterUseRate	2,844,446.22	0.00
tblWater	OutdoorWaterUseRate	4,449,005.62	0.00

2.0 Emissions Summary

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

		Highest		
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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5586	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Energy	0.0124	0.1127	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	316.2607	316.2607	0.0122	3.4400e-003	317.5903
Mobile	1.4757	1.6366	14.0445	0.0290	3.1140	0.0208	3.1348	0.8312	0.0194	0.8506	0.0000	2,699.3635	2,699.3635	0.1746	0.1272	2,741.6399
Waste						0.0000	0.0000		0.0000	0.0000	33.1971	0.0000	33.1971	1.9619	0.0000	82.2445
Water						0.0000	0.0000		0.0000	0.0000	1.2051	16.1391	17.3442	0.1246	3.0200e-003	21.3595
Total	2.0466	1.7494	14.1568	0.0297	3.1140	0.0294	3.1435	0.8312	0.0280	0.8592	34.4022	3,031.7977	3,066.1999	2.2734	0.1337	3,162.8709

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.5586	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Energy	0.0124	0.1127	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	316.2607	316.2607	0.0122	3.4400e-003	317.5903
Mobile	1.4757	1.6366	14.0445	0.0290	3.1140	0.0208	3.1348	0.8312	0.0194	0.8506	0.0000	2,699.3635	2,699.3635	0.1746	0.1272	2,741.6399
Waste						0.0000	0.0000		0.0000	0.0000	33.1971	0.0000	33.1971	1.9619	0.0000	82.2445
Water						0.0000	0.0000		0.0000	0.0000	1.2051	16.1391	17.3442	0.1246	3.0200e-003	21.3595
Total	2.0466	1.7494	14.1568	0.0297	3.1140	0.0294	3.1435	0.8312	0.0280	0.8592	34.4022	3,031.7977	3,066.1999	2.2734	0.1337	3,162.8709

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/2/2023	1/1/2023	5	0	

Acres of Grading (Site Preparation Phase): 0

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	0	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	0	8.00	97	0.37

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	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.4757	1.6366	14.0445	0.0290	3.1140	0.0208	3.1348	0.8312	0.0194	0.8506	0.0000	2,699.3635	2,699.3635	0.1746	0.1272	2,741.6399
Unmitigated	1.4757	1.6366	14.0445	0.0290	3.1140	0.0208	3.1348	0.8312	0.0194	0.8506	0.0000	2,699.3635	2,699.3635	0.1746	0.1272	2,741.6399

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	2,438.10	0.00	0.00	3,839,901	3,839,901
Place of Worship	0.00	450.00	2178.00	702,309	702,309
High School	2,077.12	0.00	0.00	3,884,446	3,884,446
Total	4,515.22	450.00	2,178.00	8,426,657	8,426,657

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
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Place of Worship	9.50	7.30	7.30	0.00	95.00	5.00	64	25	11
High School	9.50	7.30	7.30	77.80	17.20	5.00	75	19	6

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.002838
Place of Worship	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.002838
High School	0.571175	0.055403	0.188166	0.116095	0.020429	0.005041	0.007817	0.006362	0.000912	0.000389	0.024445	0.000927	0.002838

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	193.6111	193.6111	9.8300e-003	1.1900e-003	194.2119
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	193.6111	193.6111	9.8300e-003	1.1900e-003	194.2119
NaturalGas Mitigated	0.0124	0.1127	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.6496	122.6496	2.3500e-003	2.2500e-003	123.3784
NaturalGas Unmitigated	0.0124	0.1127	0.0946	6.8000e-004		8.5600e-003	8.5600e-003		8.5600e-003	8.5600e-003	0.0000	122.6496	122.6496	2.3500e-003	2.2500e-003	123.3784

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	1.6443e+006	8.8700e-003	0.0806	0.0677	4.8000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	87.7461	87.7461	1.6800e-003	1.6100e-003	88.2675
High School	654066	3.5300e-003	0.0321	0.0269	1.9000e-004		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	34.9035	34.9035	6.7000e-004	6.4000e-004	35.1109
Place of Worship	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		0.0124	0.1127	0.0946	6.7000e-004		8.5700e-003	8.5700e-003		8.5700e-003	8.5700e-003	0.0000	122.6496	122.6496	2.3500e-003	2.2500e-003	123.3784

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

5.2 Energy by Land Use - Natural Gas

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					
Elementary School	1.6443e+006	8.8700e-003	0.0806	0.0677	4.8000e-004		6.1300e-003	6.1300e-003		6.1300e-003	6.1300e-003	0.0000	87.7461	87.7461	1.6800e-003	1.6100e-003	88.2675
High School	654066	3.5300e-003	0.0321	0.0269	1.9000e-004		2.4400e-003	2.4400e-003		2.4400e-003	2.4400e-003	0.0000	34.9035	34.9035	6.7000e-004	6.4000e-004	35.1109
Place of Worship	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		0.0124	0.1127	0.0946	6.7000e-004		8.5700e-003	8.5700e-003		8.5700e-003	8.5700e-003	0.0000	122.6496	122.6496	2.3500e-003	2.2500e-003	123.3784

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	469800	138.5135	7.0300e-003	8.5000e-004	138.9433
High School	186876	55.0976	2.8000e-003	3.4000e-004	55.2686
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Total		193.6111	9.8300e-003	1.1900e-003	194.2119

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	469800	138.5135	7.0300e-003	8.5000e-004	138.9433
High School	186876	55.0976	2.8000e-003	3.4000e-004	55.2686
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Total		193.6111	9.8300e-003	1.1900e-003	194.2119

6.0 Area Detail

6.1 Mitigation Measures Area

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.5586	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Unmitigated	0.5586	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0656					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4913					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6400e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Total	0.5586	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0656					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.4913					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.6400e-003	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367
Total	0.5586	1.6000e-004	0.0177	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005	0.0000	0.0344	0.0344	9.0000e-005	0.0000	0.0367

7.0 Water Detail

7.1 Mitigation Measures Water

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	17.3442	0.1246	3.0200e-003	21.3595
Unmitigated	17.3442	0.1246	3.0200e-003	21.3595

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	2.60972 / 6.71072	11.9163	0.0856	2.0800e-003	14.6750
High School	1.18873 / 3.05672	5.4279	0.0390	9.5000e-004	6.6845
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		17.3442	0.1246	3.0300e-003	21.3595

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	2.60972 / 6.71072	11.9163	0.0856	2.0800e-003	14.6750
High School	1.18873 / 3.05672	5.4279	0.0390	9.5000e-004	6.6845
Place of Worship	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		17.3442	0.1246	3.0300e-003	21.3595

8.0 Waste Detail

8.1 Mitigation Measures Waste

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	33.1971	1.9619	0.0000	82.2445
Unmitigated	33.1971	1.9619	0.0000	82.2445

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	117	23.7499	1.4036	0.0000	58.8395
High School	46.54	9.4472	0.5583	0.0000	23.4050
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Total		33.1971	1.9619	0.0000	82.2445

Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	117	23.7499	1.4036	0.0000	58.8395
High School	46.54	9.4472	0.5583	0.0000	23.4050
Place of Worship	0	0.0000	0.0000	0.0000	0.0000
Total		33.1971	1.9619	0.0000	82.2445

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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Muslim Community Association Project - Proposed Expansion - Santa Clara County, Annual

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

11.0 Vegetation
