

# **APPENDIX B**

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**Proposed School Site - Stockton Site I**  
**San Joaquin Valley Unified APCD Air District, Annual**

**1.0 Project Characteristics**

---

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	800.00	Student	18.50	66,882.70	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Rural	<b>Wind Speed (m/s)</b>	2.7	<b>Precipitation Freq (Days)</b>	45
<b>Climate Zone</b>	2			<b>Operational Year</b>	2023
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	641.35	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

Project Characteristics -

Land Use - Parcel is 18.5 acres

Grading - Site soil is considered suitable for engineered fill (Mid Pacific Engineering).

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Mobile Commute Mitigation -

Area Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblLandUse	LotAcreage	1.54	18.50
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblSequestration	NumberOfNewTrees	0.00	20.00

**2.0 Emissions Summary**

---



Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-1-2021	8-31-2021	1.3913	1.3913
2	9-1-2021	11-30-2021	0.6761	0.6761
3	12-1-2021	2-28-2022	0.6248	0.6248
4	3-1-2022	5-31-2022	0.6144	0.6144
5	6-1-2022	8-31-2022	0.6141	0.6141
6	9-1-2022	9-30-2022	0.2003	0.2003
		Highest	1.3913	1.3913

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	0.3084	7.0000e-005	7.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0143	0.0143	4.0000e-005	0.0000	0.0152
Energy	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3600e-003	2.3600e-003		2.3600e-003	2.3600e-003	0.0000	143.5367	143.5367	5.6100e-003	1.6500e-003	144.1675
Mobile	0.2249	2.1935	2.4542	0.0132	0.8417	7.7500e-003	0.8494	0.2263	7.2600e-003	0.2336	0.0000	1,227.3343	1,227.3343	0.0613	0.0000	1,228.8664
Waste						0.0000	0.0000		0.0000	0.0000	29.6367	0.0000	29.6367	1.7515	0.0000	73.4236
Water						0.0000	0.0000		0.0000	0.0000	0.6153	8.1306	8.7458	0.0636	1.5700e-003	10.8023
<b>Total</b>	<b>0.5367</b>	<b>2.2246</b>	<b>2.4877</b>	<b>0.0134</b>	<b>0.8417</b>	<b>0.0101</b>	<b>0.8518</b>	<b>0.2263</b>	<b>9.6500e-003</b>	<b>0.2360</b>	<b>30.2520</b>	<b>1,379.0159</b>	<b>1,409.2678</b>	<b>1.8820</b>	<b>3.2200e-003</b>	<b>1,457.2750</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**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	0.3084	7.0000e-005	7.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0143	0.0143	4.0000e-005	0.0000	0.0152
Energy	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3600e-003	2.3600e-003		2.3600e-003	2.3600e-003	0.0000	143.5367	143.5367	5.6100e-003	1.6500e-003	144.1675
Mobile	0.2156	2.1089	2.2631	0.0121	0.7573	7.0500e-003	0.7643	0.2036	6.6100e-003	0.2102	0.0000	1,123.1740	1,123.1740	0.0590	0.0000	1,124.6487
Waste						0.0000	0.0000		0.0000	0.0000	22.2275	0.0000	22.2275	1.3136	0.0000	55.0677
Water						0.0000	0.0000		0.0000	0.0000	0.5392	7.4435	7.9827	0.0557	1.3800e-003	9.7862
<b>Total</b>	<b>0.5274</b>	<b>2.1401</b>	<b>2.2965</b>	<b>0.0123</b>	<b>0.7573</b>	<b>9.4400e-003</b>	<b>0.7667</b>	<b>0.2036</b>	<b>9.0000e-003</b>	<b>0.2126</b>	<b>22.7667</b>	<b>1,274.1685</b>	<b>1,296.9353</b>	<b>1.4340</b>	<b>3.0300e-003</b>	<b>1,333.6854</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>1.72</b>	<b>3.80</b>	<b>7.68</b>	<b>8.43</b>	<b>10.02</b>	<b>6.90</b>	<b>9.99</b>	<b>10.03</b>	<b>6.74</b>	<b>9.89</b>	<b>24.74</b>	<b>7.60</b>	<b>7.97</b>	<b>23.80</b>	<b>5.90</b>	<b>8.48</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**2.3 Vegetation**

Vegetation

	CO2e
Category	MT
New Trees	14.1600
<b>Total</b>	<b>14.1600</b>

**3.0 Construction Detail**

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2021	6/28/2021	5	20	
2	Site Preparation	Site Preparation	6/29/2021	7/12/2021	5	10	
3	Grading	Grading	7/13/2021	8/23/2021	5	30	
4	Building Construction	Building Construction	8/24/2021	10/17/2022	5	300	
5	Paving	Paving	10/18/2022	11/14/2022	5	20	
6	Architectural Coating	Architectural Coating	11/15/2022	12/12/2022	5	20	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 75**

**Acres of Paving: 0**

## Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 100,324; Non-Residential Outdoor: 33,441; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**



Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	28.00	11.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2021**

**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	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0008	34.0008	9.5700e-003	0.0000	34.2400
<b>Total</b>	<b>0.0317</b>	<b>0.3144</b>	<b>0.2157</b>	<b>3.9000e-004</b>		<b>0.0155</b>	<b>0.0155</b>		<b>0.0144</b>	<b>0.0144</b>	<b>0.0000</b>	<b>34.0008</b>	<b>34.0008</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>34.2400</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	5.7000e-004	5.7600e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6003	1.6003	4.0000e-005	0.0000	1.6013
<b>Total</b>	<b>8.1000e-004</b>	<b>5.7000e-004</b>	<b>5.7600e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8800e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.6003</b>	<b>1.6003</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6013</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	0.0317	0.3144	0.2157	3.9000e-004		0.0155	0.0155		0.0144	0.0144	0.0000	34.0007	34.0007	9.5700e-003	0.0000	34.2400
<b>Total</b>	<b>0.0317</b>	<b>0.3144</b>	<b>0.2157</b>	<b>3.9000e-004</b>		<b>0.0155</b>	<b>0.0155</b>		<b>0.0144</b>	<b>0.0144</b>	<b>0.0000</b>	<b>34.0007</b>	<b>34.0007</b>	<b>9.5700e-003</b>	<b>0.0000</b>	<b>34.2400</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	5.7000e-004	5.7600e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.6003	1.6003	4.0000e-005	0.0000	1.6013
<b>Total</b>	<b>8.1000e-004</b>	<b>5.7000e-004</b>	<b>5.7600e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8800e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.6003</b>	<b>1.6003</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.6013</b>

**3.3 Site Preparation - 2021**

**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					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7179	16.7179	5.4100e-003	0.0000	16.8530
<b>Total</b>	<b>0.0194</b>	<b>0.2025</b>	<b>0.1058</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0102</b>	<b>0.1006</b>	<b>0.0497</b>	<b>9.4000e-003</b>	<b>0.0591</b>	<b>0.0000</b>	<b>16.7179</b>	<b>16.7179</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8530</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.4000e-004	3.4600e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.0000e-004	0.0000	0.9602	0.9602	2.0000e-005	0.0000	0.9608
<b>Total</b>	<b>4.9000e-004</b>	<b>3.4000e-004</b>	<b>3.4600e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>1.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.9602</b>	<b>0.9602</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9608</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					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0194	0.2025	0.1058	1.9000e-004		0.0102	0.0102		9.4000e-003	9.4000e-003	0.0000	16.7178	16.7178	5.4100e-003	0.0000	16.8530
<b>Total</b>	<b>0.0194</b>	<b>0.2025</b>	<b>0.1058</b>	<b>1.9000e-004</b>	<b>0.0407</b>	<b>0.0102</b>	<b>0.0509</b>	<b>0.0223</b>	<b>9.4000e-003</b>	<b>0.0317</b>	<b>0.0000</b>	<b>16.7178</b>	<b>16.7178</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8530</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.9000e-004	3.4000e-004	3.4600e-003	1.0000e-005	1.1200e-003	1.0000e-005	1.1300e-003	3.0000e-004	1.0000e-005	3.0000e-004	0.0000	0.9602	0.9602	2.0000e-005	0.0000	0.9608
<b>Total</b>	<b>4.9000e-004</b>	<b>3.4000e-004</b>	<b>3.4600e-003</b>	<b>1.0000e-005</b>	<b>1.1200e-003</b>	<b>1.0000e-005</b>	<b>1.1300e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.9602</b>	<b>0.9602</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9608</b>

**3.4 Grading - 2021**

**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					0.1301	0.0000	0.1301	0.0540	0.0000	0.0540	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7425	81.7425	0.0264	0.0000	82.4034
<b>Total</b>	<b>0.0629</b>	<b>0.6960</b>	<b>0.4632</b>	<b>9.3000e-004</b>	<b>0.1301</b>	<b>0.0298</b>	<b>0.1599</b>	<b>0.0540</b>	<b>0.0274</b>	<b>0.0814</b>	<b>0.0000</b>	<b>81.7425</b>	<b>81.7425</b>	<b>0.0264</b>	<b>0.0000</b>	<b>82.4034</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6300e-003	1.1400e-003	0.0115	4.0000e-005	3.7300e-003	2.0000e-005	3.7500e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	3.2005	3.2005	8.0000e-005	0.0000	3.2026
<b>Total</b>	<b>1.6300e-003</b>	<b>1.1400e-003</b>	<b>0.0115</b>	<b>4.0000e-005</b>	<b>3.7300e-003</b>	<b>2.0000e-005</b>	<b>3.7500e-003</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>3.2005</b>	<b>3.2005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.2026</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					0.0586	0.0000	0.0586	0.0243	0.0000	0.0243	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0629	0.6960	0.4632	9.3000e-004		0.0298	0.0298		0.0274	0.0274	0.0000	81.7424	81.7424	0.0264	0.0000	82.4033
<b>Total</b>	<b>0.0629</b>	<b>0.6960</b>	<b>0.4632</b>	<b>9.3000e-004</b>	<b>0.0586</b>	<b>0.0298</b>	<b>0.0883</b>	<b>0.0243</b>	<b>0.0274</b>	<b>0.0517</b>	<b>0.0000</b>	<b>81.7424</b>	<b>81.7424</b>	<b>0.0264</b>	<b>0.0000</b>	<b>82.4033</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.6300e-003	1.1400e-003	0.0115	4.0000e-005	3.7300e-003	2.0000e-005	3.7500e-003	9.9000e-004	2.0000e-005	1.0100e-003	0.0000	3.2005	3.2005	8.0000e-005	0.0000	3.2026
<b>Total</b>	<b>1.6300e-003</b>	<b>1.1400e-003</b>	<b>0.0115</b>	<b>4.0000e-005</b>	<b>3.7300e-003</b>	<b>2.0000e-005</b>	<b>3.7500e-003</b>	<b>9.9000e-004</b>	<b>2.0000e-005</b>	<b>1.0100e-003</b>	<b>0.0000</b>	<b>3.2005</b>	<b>3.2005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>3.2026</b>

**3.5 Building Construction - 2021**

**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	0.0893	0.8193	0.7790	1.2700e-003		0.0451	0.0451		0.0424	0.0424	0.0000	108.8695	108.8695	0.0263	0.0000	109.5262
<b>Total</b>	<b>0.0893</b>	<b>0.8193</b>	<b>0.7790</b>	<b>1.2700e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0424</b>	<b>0.0424</b>	<b>0.0000</b>	<b>108.8695</b>	<b>108.8695</b>	<b>0.0263</b>	<b>0.0000</b>	<b>109.5262</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5800e-003	0.0548	9.9500e-003	1.3000e-004	3.1000e-003	1.5000e-004	3.2500e-003	9.0000e-004	1.4000e-004	1.0400e-003	0.0000	12.8228	12.8228	1.0500e-003	0.0000	12.8490
Worker	7.1500e-003	4.9800e-003	0.0505	1.6000e-004	0.0164	1.1000e-004	0.0165	4.3500e-003	1.0000e-004	4.4500e-003	0.0000	14.0397	14.0397	3.6000e-004	0.0000	14.0487
<b>Total</b>	<b>8.7300e-003</b>	<b>0.0598</b>	<b>0.0605</b>	<b>2.9000e-004</b>	<b>0.0195</b>	<b>2.6000e-004</b>	<b>0.0197</b>	<b>5.2500e-003</b>	<b>2.4000e-004</b>	<b>5.4900e-003</b>	<b>0.0000</b>	<b>26.8625</b>	<b>26.8625</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>26.8977</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	0.0893	0.8193	0.7790	1.2700e-003		0.0451	0.0451		0.0424	0.0424	0.0000	108.8694	108.8694	0.0263	0.0000	109.5260
<b>Total</b>	<b>0.0893</b>	<b>0.8193</b>	<b>0.7790</b>	<b>1.2700e-003</b>		<b>0.0451</b>	<b>0.0451</b>		<b>0.0424</b>	<b>0.0424</b>	<b>0.0000</b>	<b>108.8694</b>	<b>108.8694</b>	<b>0.0263</b>	<b>0.0000</b>	<b>109.5260</b>



Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5800e-003	0.0548	9.9500e-003	1.3000e-004	3.1000e-003	1.5000e-004	3.2500e-003	9.0000e-004	1.4000e-004	1.0400e-003	0.0000	12.8228	12.8228	1.0500e-003	0.0000	12.8490
Worker	7.1500e-003	4.9800e-003	0.0505	1.6000e-004	0.0164	1.1000e-004	0.0165	4.3500e-003	1.0000e-004	4.4500e-003	0.0000	14.0397	14.0397	3.6000e-004	0.0000	14.0487
<b>Total</b>	<b>8.7300e-003</b>	<b>0.0598</b>	<b>0.0605</b>	<b>2.9000e-004</b>	<b>0.0195</b>	<b>2.6000e-004</b>	<b>0.0197</b>	<b>5.2500e-003</b>	<b>2.4000e-004</b>	<b>5.4900e-003</b>	<b>0.0000</b>	<b>26.8625</b>	<b>26.8625</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>26.8977</b>

**3.5 Building Construction - 2022**

**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	0.1757	1.6084	1.6854	2.7700e-003		0.0833	0.0833		0.0784	0.0784	0.0000	238.6770	238.6770	0.0572	0.0000	240.1065
<b>Total</b>	<b>0.1757</b>	<b>1.6084</b>	<b>1.6854</b>	<b>2.7700e-003</b>		<b>0.0833</b>	<b>0.0833</b>		<b>0.0784</b>	<b>0.0784</b>	<b>0.0000</b>	<b>238.6770</b>	<b>238.6770</b>	<b>0.0572</b>	<b>0.0000</b>	<b>240.1065</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2100e-003	0.1141	0.0201	2.9000e-004	6.7900e-003	2.8000e-004	7.0700e-003	1.9600e-003	2.7000e-004	2.2300e-003	0.0000	27.8400	27.8400	2.2200e-003	0.0000	27.8954
Worker	0.0145	9.7500e-003	0.1010	3.3000e-004	0.0359	2.3000e-004	0.0361	9.5300e-003	2.1000e-004	9.7400e-003	0.0000	29.6674	29.6674	7.0000e-004	0.0000	29.6849
<b>Total</b>	<b>0.0177</b>	<b>0.1238</b>	<b>0.1211</b>	<b>6.2000e-004</b>	<b>0.0426</b>	<b>5.1000e-004</b>	<b>0.0432</b>	<b>0.0115</b>	<b>4.8000e-004</b>	<b>0.0120</b>	<b>0.0000</b>	<b>57.5073</b>	<b>57.5073</b>	<b>2.9200e-003</b>	<b>0.0000</b>	<b>57.5803</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	0.1757	1.6084	1.6854	2.7700e-003		0.0833	0.0833		0.0784	0.0784	0.0000	238.6767	238.6767	0.0572	0.0000	240.1062
<b>Total</b>	<b>0.1757</b>	<b>1.6084</b>	<b>1.6854</b>	<b>2.7700e-003</b>		<b>0.0833</b>	<b>0.0833</b>		<b>0.0784</b>	<b>0.0784</b>	<b>0.0000</b>	<b>238.6767</b>	<b>238.6767</b>	<b>0.0572</b>	<b>0.0000</b>	<b>240.1062</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.2100e-003	0.1141	0.0201	2.9000e-004	6.7900e-003	2.8000e-004	7.0700e-003	1.9600e-003	2.7000e-004	2.2300e-003	0.0000	27.8400	27.8400	2.2200e-003	0.0000	27.8954
Worker	0.0145	9.7500e-003	0.1010	3.3000e-004	0.0359	2.3000e-004	0.0361	9.5300e-003	2.1000e-004	9.7400e-003	0.0000	29.6674	29.6674	7.0000e-004	0.0000	29.6849
<b>Total</b>	<b>0.0177</b>	<b>0.1238</b>	<b>0.1211</b>	<b>6.2000e-004</b>	<b>0.0426</b>	<b>5.1000e-004</b>	<b>0.0432</b>	<b>0.0115</b>	<b>4.8000e-004</b>	<b>0.0120</b>	<b>0.0000</b>	<b>57.5073</b>	<b>57.5073</b>	<b>2.9200e-003</b>	<b>0.0000</b>	<b>57.5803</b>

**3.6 Paving - 2022**

**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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0110</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0276</b>	<b>20.0276</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.1000e-004	5.2500e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5430	1.5430	4.0000e-005	0.0000	1.5439
<b>Total</b>	<b>7.6000e-004</b>	<b>5.1000e-004</b>	<b>5.2500e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8800e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.5430</b>	<b>1.5430</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.5439</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	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0110</b>	<b>0.1113</b>	<b>0.1458</b>	<b>2.3000e-004</b>		<b>5.6800e-003</b>	<b>5.6800e-003</b>		<b>5.2200e-003</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>20.0275</b>	<b>20.0275</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1895</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.6000e-004	5.1000e-004	5.2500e-003	2.0000e-005	1.8600e-003	1.0000e-005	1.8800e-003	5.0000e-004	1.0000e-005	5.1000e-004	0.0000	1.5430	1.5430	4.0000e-005	0.0000	1.5439
<b>Total</b>	<b>7.6000e-004</b>	<b>5.1000e-004</b>	<b>5.2500e-003</b>	<b>2.0000e-005</b>	<b>1.8600e-003</b>	<b>1.0000e-005</b>	<b>1.8800e-003</b>	<b>5.0000e-004</b>	<b>1.0000e-005</b>	<b>5.1000e-004</b>	<b>0.0000</b>	<b>1.5430</b>	<b>1.5430</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.5439</b>

**3.7 Architectural Coating - 2022**

**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	0.4650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
<b>Total</b>	<b>0.4671</b>	<b>0.0141</b>	<b>0.0181</b>	<b>3.0000e-005</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.5574</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.0000e-004	2.1000e-003	1.0000e-005	7.5000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6172	0.6172	1.0000e-005	0.0000	0.6176
<b>Total</b>	<b>3.0000e-004</b>	<b>2.0000e-004</b>	<b>2.1000e-003</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>7.5000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6172</b>	<b>0.6172</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.6176</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	0.4650					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.0500e-003	0.0141	0.0181	3.0000e-005		8.2000e-004	8.2000e-004		8.2000e-004	8.2000e-004	0.0000	2.5533	2.5533	1.7000e-004	0.0000	2.5574
<b>Total</b>	<b>0.4671</b>	<b>0.0141</b>	<b>0.0181</b>	<b>3.0000e-005</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>		<b>8.2000e-004</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>2.5574</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.0000e-004	2.1000e-003	1.0000e-005	7.5000e-004	0.0000	7.5000e-004	2.0000e-004	0.0000	2.0000e-004	0.0000	0.6172	0.6172	1.0000e-005	0.0000	0.6176
<b>Total</b>	<b>3.0000e-004</b>	<b>2.0000e-004</b>	<b>2.1000e-003</b>	<b>1.0000e-005</b>	<b>7.5000e-004</b>	<b>0.0000</b>	<b>7.5000e-004</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6172</b>	<b>0.6172</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.6176</b>

**4.0 Operational Detail - Mobile**

---

**4.1 Mitigation Measures Mobile**

Implement School Bus Program

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

	ROG	NOx	CO	SO2	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	0.2156	2.1089	2.2631	0.0121	0.7573	7.0500e-003	0.7643	0.2036	6.6100e-003	0.2102	0.0000	1,123.1740	1,123.1740	0.0590	0.0000	1,124.6487
Unmitigated	0.2249	2.1935	2.4542	0.0132	0.8417	7.7500e-003	0.8494	0.2263	7.2600e-003	0.2336	0.0000	1,227.3343	1,227.3343	0.0613	0.0000	1,228.8664

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	1,032.00	0.00	0.00	2,207,874	1,986,551
Total	1,032.00	0.00	0.00	2,207,874	1,986,551

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	14.70	6.60	6.60	65.00	30.00	5.00	63	25	12

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Elementary School	0.517262	0.031316	0.171418	0.114437	0.017015	0.004840	0.021467	0.112166	0.001792	0.001507	0.005146	0.000939	0.000694

5.0 Energy Detail

Historical Energy Use: N



Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**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	109.7372	109.7372	4.9600e-003	1.0300e-003	110.1672
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	109.7372	109.7372	4.9600e-003	1.0300e-003	110.1672
NaturalGas Mitigated	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3600e-003	2.3600e-003		2.3600e-003	2.3600e-003	0.0000	33.7995	33.7995	6.5000e-004	6.2000e-004	34.0004
NaturalGas Unmitigated	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3600e-003	2.3600e-003		2.3600e-003	2.3600e-003	0.0000	33.7995	33.7995	6.5000e-004	6.2000e-004	34.0004

**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	633379	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3600e-003	2.3600e-003		2.3600e-003	2.3600e-003	0.0000	33.7995	33.7995	6.5000e-004	6.2000e-004	34.0004
<b>Total</b>		<b>3.4200e-003</b>	<b>0.0311</b>	<b>0.0261</b>	<b>1.9000e-004</b>		<b>2.3600e-003</b>	<b>2.3600e-003</b>		<b>2.3600e-003</b>	<b>2.3600e-003</b>	<b>0.0000</b>	<b>33.7995</b>	<b>33.7995</b>	<b>6.5000e-004</b>	<b>6.2000e-004</b>	<b>34.0004</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Elementary School	633379	3.4200e-003	0.0311	0.0261	1.9000e-004		2.3600e-003	2.3600e-003		2.3600e-003	2.3600e-003	0.0000	33.7995	33.7995	6.5000e-004	6.2000e-004	34.0004
<b>Total</b>		<b>3.4200e-003</b>	<b>0.0311</b>	<b>0.0261</b>	<b>1.9000e-004</b>		<b>2.3600e-003</b>	<b>2.3600e-003</b>		<b>2.3600e-003</b>	<b>2.3600e-003</b>	<b>0.0000</b>	<b>33.7995</b>	<b>33.7995</b>	<b>6.5000e-004</b>	<b>6.2000e-004</b>	<b>34.0004</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	377218	109.7372	4.9600e-003	1.0300e-003	110.1672
<b>Total</b>		<b>109.7372</b>	<b>4.9600e-003</b>	<b>1.0300e-003</b>	<b>110.1672</b>

## Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**5.3 Energy by Land Use - Electricity****Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Elementary School	377218	109.7372	4.9600e-003	1.0300e-003	110.1672
<b>Total</b>		<b>109.7372</b>	<b>4.9600e-003</b>	<b>1.0300e-003</b>	<b>110.1672</b>

**6.0 Area Detail****6.1 Mitigation Measures Area**

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

	ROG	NOx	CO	SO2	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	0.3084	7.0000e-005	7.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0143	0.0143	4.0000e-005	0.0000	0.0152
Unmitigated	0.3084	7.0000e-005	7.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0143	0.0143	4.0000e-005	0.0000	0.0152

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	0.0465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.8000e-004	7.0000e-005	7.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0143	0.0143	4.0000e-005	0.0000	0.0152
<b>Total</b>	<b>0.3084</b>	<b>7.0000e-005</b>	<b>7.3500e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0152</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**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	0.0465					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2612					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.8000e-004	7.0000e-005	7.3500e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0143	0.0143	4.0000e-005	0.0000	0.0152
<b>Total</b>	<b>0.3084</b>	<b>7.0000e-005</b>	<b>7.3500e-003</b>	<b>0.0000</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>		<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0143</b>	<b>0.0143</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0152</b>

**7.0 Water Detail**

---

**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Toilet

Use Water Efficient Irrigation System

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.9827	0.0557	1.3800e-003	9.7862
Unmitigated	8.7458	0.0636	1.5700e-003	10.8023

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.93939 / 4.98701	8.7458	0.0636	1.5700e-003	10.8023
<b>Total</b>		<b>8.7458</b>	<b>0.0636</b>	<b>1.5700e-003</b>	<b>10.8023</b>

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Elementary School	1.69968 / 4.6828	7.9827	0.0557	1.3800e-003	9.7862
<b>Total</b>		<b>7.9827</b>	<b>0.0557</b>	<b>1.3800e-003</b>	<b>9.7862</b>

**8.0 Waste Detail**

---

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	22.2275	1.3136	0.0000	55.0677
Unmitigated	29.6367	1.7515	0.0000	73.4236

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	146	29.6367	1.7515	0.0000	73.4236
<b>Total</b>		<b>29.6367</b>	<b>1.7515</b>	<b>0.0000</b>	<b>73.4236</b>



Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Elementary School	109.5	22.2275	1.3136	0.0000	55.0677
<b>Total</b>		<b>22.2275</b>	<b>1.3136</b>	<b>0.0000</b>	<b>55.0677</b>

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

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

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

Proposed School Site - Stockton Site I - San Joaquin Valley Unified APCD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	14.1600	0.0000	0.0000	14.1600

**11.2 Net New Trees**

**Species Class**

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	20	14.1600	0.0000	0.0000	14.1600
<b>Total</b>		<b>14.1600</b>	<b>0.0000</b>	<b>0.0000</b>	<b>14.1600</b>