

Carpenters Training Center Morgan Hill - GHG - Santa Clara County, Annual

**Carpenters Training Center Morgan Hill - GHG  
Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	55.00	1000sqft	4.90	55,000.00	165
Parking Lot	213.00	Space	0.00	35,214.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	4	<b>Operational Year</b>	2021		
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<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**

Project Characteristics - CO2 Intensity Factor is based on PG&E's most recent rate.

Land Use - Lot acreage is based on the size of the site.

Population is based on assumption that development will accomodate 150 students and 15 employees.

Construction Phase - Construction schedule is based on duration provided by applicant

Vehicle Trips - Trip rates, based on the number of daily trips (303 daily trips).

Energy Use -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	152.00

tblConstructionPhase	NumDays	20.00	5.00
tblConstructionPhase	PhaseEndDate	10/29/2020	6/22/2020
tblConstructionPhase	PhaseEndDate	9/9/2020	5/1/2020
tblConstructionPhase	PhaseEndDate	10/4/2019	9/13/2019
tblConstructionPhase	PhaseEndDate	10/23/2019	10/2/2019
tblConstructionPhase	PhaseEndDate	10/5/2020	5/27/2020
tblConstructionPhase	PhaseEndDate	10/11/2019	9/20/2019
tblConstructionPhase	PhaseStartDate	10/6/2020	5/28/2020
tblConstructionPhase	PhaseStartDate	10/24/2019	10/3/2019
tblConstructionPhase	PhaseStartDate	10/12/2019	9/23/2019
tblConstructionPhase	PhaseStartDate	9/10/2020	5/4/2020
tblConstructionPhase	PhaseStartDate	10/5/2019	9/16/2019
tblLandUse	LandUseSquareFeet	85,200.00	35,214.00
tblLandUse	LotAcreage	1.26	4.90
tblLandUse	LotAcreage	1.92	0.00
tblLandUse	Population	0.00	165.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblVehicleTrips	ST_TR	11.23	5.50
tblVehicleTrips	SU_TR	1.21	5.50
tblVehicleTrips	WD_TR	27.49	5.50

## 2.0 Emissions Summary

### 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					

2019	0.1128	1.0556	0.7789	1.4100e-003	0.0853	0.0578	0.1431	0.0421	0.0541	0.0962	0.0000	125.2533	125.2533	0.0277	0.0000	125.9457
2020	0.4093	1.0453	0.9365	1.7100e-003	0.0196	0.0565	0.0761	5.3100e-003	0.0531	0.0584	0.0000	149.2824	149.2824	0.0308	0.0000	150.0520
<b>Maximum</b>	<b>0.4093</b>	<b>1.0556</b>	<b>0.9365</b>	<b>1.7100e-003</b>	<b>0.0853</b>	<b>0.0578</b>	<b>0.1431</b>	<b>0.0421</b>	<b>0.0541</b>	<b>0.0962</b>	<b>0.0000</b>	<b>149.2824</b>	<b>149.2824</b>	<b>0.0308</b>	<b>0.0000</b>	<b>150.0520</b>

### 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					
2019	0.1128	1.0556	0.7789	1.4100e-003	0.0853	0.0578	0.1431	0.0421	0.0541	0.0962	0.0000	125.2532	125.2532	0.0277	0.0000	125.9456
2020	0.4093	1.0453	0.9365	1.7100e-003	0.0196	0.0565	0.0761	5.3100e-003	0.0531	0.0584	0.0000	149.2823	149.2823	0.0308	0.0000	150.0519
<b>Maximum</b>	<b>0.4093</b>	<b>1.0556</b>	<b>0.9365</b>	<b>1.7100e-003</b>	<b>0.0853</b>	<b>0.0578</b>	<b>0.1431</b>	<b>0.0421</b>	<b>0.0541</b>	<b>0.0962</b>	<b>0.0000</b>	<b>149.2823</b>	<b>149.2823</b>	<b>0.0308</b>	<b>0.0000</b>	<b>150.0519</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>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	9-9-2019	12-8-2019	0.8848	0.8848
2	12-9-2019	3-8-2020	0.7771	0.7771
3	3-9-2020	6-8-2020	0.7098	0.7098
4	6-9-2020	9-8-2020	0.1733	0.1733
		<b>Highest</b>	<b>0.8848</b>	<b>0.8848</b>

## 2.2 Overall Operational

### Unmitigated Operational



### 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	9/9/2019	9/13/2019	5	5	
2	Site Preparation	Site Preparation	9/16/2019	9/20/2019	5	5	
3	Grading	Grading	9/23/2019	10/2/2019	5	8	
4	Building Construction	Building Construction	10/3/2019	5/1/2020	5	152	
5	Paving	Paving	5/4/2020	5/27/2020	5	18	
6	Architectural Coating	Architectural Coating	5/28/2020	6/22/2020	5	18	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,500; Non-Residential Outdoor: 27,500; Striped Parking Area:

#### OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20

Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

### Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	38.00	15.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

### 3.1 Mitigation Measures Construction

### 3.2 Demolition - 2019

#### 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	8.7800e-003	0.0895	0.0552	1.0000e-004		4.4900e-003	4.4900e-003		4.1700e-003	4.1700e-003	0.0000	8.6566	8.6566	2.4100e-003	0.0000	8.7168

<b>Total</b>	<b>8.7800e-003</b>	<b>0.0895</b>	<b>0.0552</b>	<b>1.0000e-004</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>		<b>4.1700e-003</b>	<b>4.1700e-003</b>	<b>0.0000</b>	<b>8.6566</b>	<b>8.6566</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>8.7168</b>
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**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	1.4000e-004	1.0000e-004	1.0500e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2633	0.2633	1.0000e-005	0.0000	0.2635
<b>Total</b>	<b>1.4000e-004</b>	<b>1.0000e-004</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2633</b>	<b>0.2633</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2635</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	8.7800e-003	0.0895	0.0552	1.0000e-004		4.4900e-003	4.4900e-003		4.1700e-003	4.1700e-003	0.0000	8.6566	8.6566	2.4100e-003	0.0000	8.7168
<b>Total</b>	<b>8.7800e-003</b>	<b>0.0895</b>	<b>0.0552</b>	<b>1.0000e-004</b>		<b>4.4900e-003</b>	<b>4.4900e-003</b>		<b>4.1700e-003</b>	<b>4.1700e-003</b>	<b>0.0000</b>	<b>8.6566</b>	<b>8.6566</b>	<b>2.4100e-003</b>	<b>0.0000</b>	<b>8.7168</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	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	1.4000e-004	1.0000e-004	1.0500e-003	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2633	0.2633	1.0000e-005	0.0000	0.2635
<b>Total</b>	<b>1.4000e-004</b>	<b>1.0000e-004</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>3.0000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2633</b>	<b>0.2633</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2635</b>

### 3.3 Site Preparation - 2019

#### 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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1139	0.0552	9.0000e-005		5.9800e-003	5.9800e-003		5.5000e-003	5.5000e-003	0.0000	8.5422	8.5422	2.7000e-003	0.0000	8.6097
<b>Total</b>	<b>0.0108</b>	<b>0.1139</b>	<b>0.0552</b>	<b>9.0000e-005</b>	<b>0.0452</b>	<b>5.9800e-003</b>	<b>0.0512</b>	<b>0.0248</b>	<b>5.5000e-003</b>	<b>0.0303</b>	<b>0.0000</b>	<b>8.5422</b>	<b>8.5422</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.6097</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	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	1.6000e-004	1.2000e-004	1.2600e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3159	0.3159	1.0000e-005	0.0000	0.3162
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3159</b>	<b>0.3159</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3162</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					0.0452	0.0000	0.0452	0.0248	0.0000	0.0248	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0108	0.1139	0.0552	9.0000e-005		5.9800e-003	5.9800e-003		5.5000e-003	5.5000e-003	0.0000	8.5422	8.5422	2.7000e-003	0.0000	8.6097
<b>Total</b>	<b>0.0108</b>	<b>0.1139</b>	<b>0.0552</b>	<b>9.0000e-005</b>	<b>0.0452</b>	<b>5.9800e-003</b>	<b>0.0512</b>	<b>0.0248</b>	<b>5.5000e-003</b>	<b>0.0303</b>	<b>0.0000</b>	<b>8.5422</b>	<b>8.5422</b>	<b>2.7000e-003</b>	<b>0.0000</b>	<b>8.6097</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	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	1.6000e-004	1.2000e-004	1.2600e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.3159	0.3159	1.0000e-005	0.0000	0.3162
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.2600e-003</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>3.6000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3159</b>	<b>0.3159</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3162</b>

### 3.4 Grading - 2019

#### Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1134	0.0652	1.2000e-004		5.5900e-003	5.5900e-003		5.1400e-003	5.1400e-003	0.0000	10.6569	10.6569	3.3700e-003	0.0000	10.7412
<b>Total</b>	<b>0.0103</b>	<b>0.1134</b>	<b>0.0652</b>	<b>1.2000e-004</b>	<b>0.0262</b>	<b>5.5900e-003</b>	<b>0.0318</b>	<b>0.0135</b>	<b>5.1400e-003</b>	<b>0.0186</b>	<b>0.0000</b>	<b>10.6569</b>	<b>10.6569</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.7412</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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.6000e-004	1.6800e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4213	0.4213	1.0000e-005	0.0000	0.4215
<b>Total</b>	<b>2.2000e-004</b>	<b>1.6000e-004</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4213</b>	<b>0.4213</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4215</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					0.0262	0.0000	0.0262	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0103	0.1134	0.0652	1.2000e-004		5.5900e-003	5.5900e-003		5.1400e-003	5.1400e-003	0.0000	10.6569	10.6569	3.3700e-003	0.0000	10.7412
<b>Total</b>	<b>0.0103</b>	<b>0.1134</b>	<b>0.0652</b>	<b>1.2000e-004</b>	<b>0.0262</b>	<b>5.5900e-003</b>	<b>0.0318</b>	<b>0.0135</b>	<b>5.1400e-003</b>	<b>0.0186</b>	<b>0.0000</b>	<b>10.6569</b>	<b>10.6569</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>10.7412</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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2000e-004	1.6000e-004	1.6800e-003	0.0000	4.8000e-004	0.0000	4.8000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.4213	0.4213	1.0000e-005	0.0000	0.4215
<b>Total</b>	<b>2.2000e-004</b>	<b>1.6000e-004</b>	<b>1.6800e-003</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>4.8000e-004</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4213</b>	<b>0.4213</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4215</b>

### 3.5 Building Construction - 2019

#### 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	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6915

<b>Total</b>	<b>0.0756</b>	<b>0.6745</b>	<b>0.5492</b>	<b>8.6000e-004</b>		<b>0.0413</b>	<b>0.0413</b>		<b>0.0388</b>	<b>0.0388</b>	<b>0.0000</b>	<b>75.2333</b>	<b>75.2333</b>	<b>0.0183</b>	<b>0.0000</b>	<b>75.6915</b>
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**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	2.3500e-003	0.0606	0.0163	1.3000e-004	3.1600e-003	4.4000e-004	3.5900e-003	9.1000e-004	4.2000e-004	1.3300e-003	0.0000	12.6265	12.6265	6.3000e-004	0.0000	12.6422
Worker	4.4200e-003	3.2900e-003	0.0340	9.0000e-005	9.6400e-003	6.0000e-005	9.7100e-003	2.5600e-003	6.0000e-005	2.6200e-003	0.0000	8.5373	8.5373	2.3000e-004	0.0000	8.5431
<b>Total</b>	<b>6.7700e-003</b>	<b>0.0639</b>	<b>0.0502</b>	<b>2.2000e-004</b>	<b>0.0128</b>	<b>5.0000e-004</b>	<b>0.0133</b>	<b>3.4700e-003</b>	<b>4.8000e-004</b>	<b>3.9500e-003</b>	<b>0.0000</b>	<b>21.1638</b>	<b>21.1638</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>21.1853</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	0.0756	0.6745	0.5492	8.6000e-004		0.0413	0.0413		0.0388	0.0388	0.0000	75.2333	75.2333	0.0183	0.0000	75.6914
<b>Total</b>	<b>0.0756</b>	<b>0.6745</b>	<b>0.5492</b>	<b>8.6000e-004</b>		<b>0.0413</b>	<b>0.0413</b>		<b>0.0388</b>	<b>0.0388</b>	<b>0.0000</b>	<b>75.2333</b>	<b>75.2333</b>	<b>0.0183</b>	<b>0.0000</b>	<b>75.6914</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	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	2.3500e-003	0.0606	0.0163	1.3000e-004	3.1600e-003	4.4000e-004	3.5900e-003	9.1000e-004	4.2000e-004	1.3300e-003	0.0000	12.6265	12.6265	6.3000e-004	0.0000	12.6422
Worker	4.4200e-003	3.2900e-003	0.0340	9.0000e-005	9.6400e-003	6.0000e-005	9.7100e-003	2.5600e-003	6.0000e-005	2.6200e-003	0.0000	8.5373	8.5373	2.3000e-004	0.0000	8.5431
<b>Total</b>	<b>6.7700e-003</b>	<b>0.0639</b>	<b>0.0502</b>	<b>2.2000e-004</b>	<b>0.0128</b>	<b>5.0000e-004</b>	<b>0.0133</b>	<b>3.4700e-003</b>	<b>4.8000e-004</b>	<b>3.9500e-003</b>	<b>0.0000</b>	<b>21.1638</b>	<b>21.1638</b>	<b>8.6000e-004</b>	<b>0.0000</b>	<b>21.1853</b>

### 3.5 Building Construction - 2020

#### 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	0.0933	0.8442	0.7413	1.1800e-003		0.0492	0.0492		0.0462	0.0462	0.0000	101.9084	101.9084	0.0249	0.0000	102.5299
<b>Total</b>	<b>0.0933</b>	<b>0.8442</b>	<b>0.7413</b>	<b>1.1800e-003</b>		<b>0.0492</b>	<b>0.0492</b>		<b>0.0462</b>	<b>0.0462</b>	<b>0.0000</b>	<b>101.9084</b>	<b>101.9084</b>	<b>0.0249</b>	<b>0.0000</b>	<b>102.5299</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	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	2.6200e-003	0.0752	0.0200	1.8000e-004	4.3400e-003	3.7000e-004	4.7100e-003	1.2600e-003	3.6000e-004	1.6100e-003	0.0000	17.2552	17.2552	7.9000e-004	0.0000	17.2750
Worker	5.5500e-003	3.9900e-003	0.0418	1.3000e-004	0.0133	9.0000e-005	0.0134	3.5300e-003	8.0000e-005	3.6100e-003	0.0000	11.3721	11.3721	2.8000e-004	0.0000	11.3791
<b>Total</b>	<b>8.1700e-003</b>	<b>0.0791</b>	<b>0.0619</b>	<b>3.1000e-004</b>	<b>0.0176</b>	<b>4.6000e-004</b>	<b>0.0181</b>	<b>4.7900e-003</b>	<b>4.4000e-004</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>28.6273</b>	<b>28.6273</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>28.6541</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	0.0933	0.8442	0.7413	1.1800e-003		0.0492	0.0492		0.0462	0.0462	0.0000	101.9083	101.9083	0.0249	0.0000	102.5298
<b>Total</b>	<b>0.0933</b>	<b>0.8442</b>	<b>0.7413</b>	<b>1.1800e-003</b>		<b>0.0492</b>	<b>0.0492</b>		<b>0.0462</b>	<b>0.0462</b>	<b>0.0000</b>	<b>101.9083</b>	<b>101.9083</b>	<b>0.0249</b>	<b>0.0000</b>	<b>102.5298</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	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	2.6200e-003	0.0752	0.0200	1.8000e-004	4.3400e-003	3.7000e-004	4.7100e-003	1.2600e-003	3.6000e-004	1.6100e-003	0.0000	17.2552	17.2552	7.9000e-004	0.0000	17.2750
Worker	5.5500e-003	3.9900e-003	0.0418	1.3000e-004	0.0133	9.0000e-005	0.0134	3.5300e-003	8.0000e-005	3.6100e-003	0.0000	11.3721	11.3721	2.8000e-004	0.0000	11.3791
<b>Total</b>	<b>8.1700e-003</b>	<b>0.0791</b>	<b>0.0619</b>	<b>3.1000e-004</b>	<b>0.0176</b>	<b>4.6000e-004</b>	<b>0.0181</b>	<b>4.7900e-003</b>	<b>4.4000e-004</b>	<b>5.2200e-003</b>	<b>0.0000</b>	<b>28.6273</b>	<b>28.6273</b>	<b>1.0700e-003</b>	<b>0.0000</b>	<b>28.6541</b>

### 3.6 Paving - 2020

#### 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	0.0107	0.1062	0.1105	1.7000e-004		5.8600e-003	5.8600e-003		5.4000e-003	5.4000e-003	0.0000	14.7348	14.7348	4.6300e-003	0.0000	14.8506
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>0.0107</b>	<b>0.1062</b>	<b>0.1105</b>	<b>1.7000e-004</b>		<b>5.8600e-003</b>	<b>5.8600e-003</b>		<b>5.4000e-003</b>	<b>5.4000e-003</b>	<b>0.0000</b>	<b>14.7348</b>	<b>14.7348</b>	<b>4.6300e-003</b>	<b>0.0000</b>	<b>14.8506</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	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	6.0000e-004	4.3000e-004	4.5000e-003	1.0000e-005	1.4300e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.2243	1.2243	3.0000e-005	0.0000	1.2250
<b>Total</b>	<b>6.0000e-004</b>	<b>4.3000e-004</b>	<b>4.5000e-003</b>	<b>1.0000e-005</b>	<b>1.4300e-003</b>	<b>1.0000e-005</b>	<b>1.4400e-003</b>	<b>3.8000e-004</b>	<b>1.0000e-005</b>	<b>3.9000e-004</b>	<b>0.0000</b>	<b>1.2243</b>	<b>1.2243</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.2250</b>

#### Mitigated Construction On-Site





Off-Road	2.1800e-003	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024
<b>Total</b>	<b>0.2963</b>	<b>0.0152</b>	<b>0.0165</b>	<b>3.0000e-005</b>		<b>1.0000e-003</b>	<b>1.0000e-003</b>		<b>1.0000e-003</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.3024</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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	1.8000e-003	1.0000e-005	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4897	0.4897	1.0000e-005	0.0000	0.4900
<b>Total</b>	<b>2.4000e-004</b>	<b>1.7000e-004</b>	<b>1.8000e-003</b>	<b>1.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>5.7000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4897</b>	<b>0.4897</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4900</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	0.2941					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1800e-003	0.0152	0.0165	3.0000e-005		1.0000e-003	1.0000e-003		1.0000e-003	1.0000e-003	0.0000	2.2979	2.2979	1.8000e-004	0.0000	2.3024
<b>Total</b>	<b>0.2963</b>	<b>0.0152</b>	<b>0.0165</b>	<b>3.0000e-005</b>		<b>1.0000e-003</b>	<b>1.0000e-003</b>		<b>1.0000e-003</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>2.2979</b>	<b>2.2979</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.3024</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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.7000e-004	1.8000e-003	1.0000e-005	5.7000e-004	0.0000	5.7000e-004	1.5000e-004	0.0000	1.6000e-004	0.0000	0.4897	0.4897	1.0000e-005	0.0000	0.4900
<b>Total</b>	<b>2.4000e-004</b>	<b>1.7000e-004</b>	<b>1.8000e-003</b>	<b>1.0000e-005</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>5.7000e-004</b>	<b>1.5000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4897</b>	<b>0.4897</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.4900</b>

#### 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	0.0781	0.3335	0.9469	3.1700e-003	0.2857	2.7300e-003	0.2884	0.0765	2.5600e-003	0.0790	0.0000	290.3987	290.3987	9.9500e-003	0.0000	290.6475
Unmitigated	0.0781	0.3335	0.9469	3.1700e-003	0.2857	2.7300e-003	0.2884	0.0765	2.5600e-003	0.0790	0.0000	290.3987	290.3987	9.9500e-003	0.0000	290.6475

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Junior College (2Yr)	302.50	302.50	302.50	768,210	768,210
Parking Lot	0.00	0.00	0.00		
<b>Total</b>	<b>302.50</b>	<b>302.50</b>	<b>302.50</b>	<b>768,210</b>	<b>768,210</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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	9.50	7.30	7.30	6.40	88.60	5.00	92	7	1
Parking Lot	9.50	7.30	7.30	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
Junior College (2Yr)	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761
Parking Lot	0.607897	0.037434	0.184004	0.107261	0.014919	0.004991	0.012447	0.020659	0.002115	0.001554	0.005334	0.000623	0.000761

### 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	58.8485	58.8485	5.8800e-003	1.2200e-003	59.3585
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	58.8485	58.8485	5.8800e-003	1.2200e-003	59.3585
NaturalGas Mitigated	7.1600e-003	0.0651	0.0547	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003	0.0000	70.8218	70.8218	1.3600e-003	1.3000e-003	71.2426
NaturalGas Unmitigated	7.1600e-003	0.0651	0.0547	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003	0.0000	70.8218	70.8218	1.3600e-003	1.3000e-003	71.2426

## 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					
Junior College (2Yr)	1.32715e+006	7.1600e-003	0.0651	0.0547	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003	0.0000	70.8218	70.8218	1.3600e-003	1.3000e-003	71.2426
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.1600e-003</b>	<b>0.0651</b>	<b>0.0547</b>	<b>3.9000e-004</b>		<b>4.9400e-003</b>	<b>4.9400e-003</b>		<b>4.9400e-003</b>	<b>4.9400e-003</b>	<b>0.0000</b>	<b>70.8218</b>	<b>70.8218</b>	<b>1.3600e-003</b>	<b>1.3000e-003</b>	<b>71.2426</b>

### 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					
Junior College (2Yr)	1.32715e+006	7.1600e-003	0.0651	0.0547	3.9000e-004		4.9400e-003	4.9400e-003		4.9400e-003	4.9400e-003	0.0000	70.8218	70.8218	1.3600e-003	1.3000e-003	71.2426
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.1600e-003</b>	<b>0.0651</b>	<b>0.0547</b>	<b>3.9000e-004</b>		<b>4.9400e-003</b>	<b>4.9400e-003</b>		<b>4.9400e-003</b>	<b>4.9400e-003</b>	<b>0.0000</b>	<b>70.8218</b>	<b>70.8218</b>	<b>1.3600e-003</b>	<b>1.3000e-003</b>	<b>71.2426</b>

## 5.3 Energy by Land Use - Electricity

### Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
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Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	435050	57.2273	5.7200e-003	1.1800e-003	57.7232
Parking Lot	12324.9	1.6212	1.6000e-004	3.0000e-005	1.6353
<b>Total</b>		<b>58.8485</b>	<b>5.8800e-003</b>	<b>1.2100e-003</b>	<b>59.3585</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	435050	57.2273	5.7200e-003	1.1800e-003	57.7232
Parking Lot	12324.9	1.6212	1.6000e-004	3.0000e-005	1.6353
<b>Total</b>		<b>58.8485</b>	<b>5.8800e-003</b>	<b>1.2100e-003</b>	<b>59.3585</b>

**6.0 Area Detail**

**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	0.2467	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7900e-003	4.7900e-003	1.0000e-005	0.0000	5.1100e-003

Unmitigated	0.2467	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7900e-003	4.7900e-003	1.0000e-005	0.0000	5.1100e-003
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## 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	0.0294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7900e-003	4.7900e-003	1.0000e-005	0.0000	5.1100e-003
<b>Total</b>	<b>0.2467</b>	<b>2.0000e-005</b>	<b>2.4700e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.7900e-003</b>	<b>4.7900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.1100e-003</b>

### 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	0.0294					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2171					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	2.3000e-004	2.0000e-005	2.4700e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	4.7900e-003	4.7900e-003	1.0000e-005	0.0000	5.1100e-003
<b>Total</b>	<b>0.2467</b>	<b>2.0000e-005</b>	<b>2.4700e-003</b>	<b>0.0000</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>		<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.7900e-003</b>	<b>4.7900e-003</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>5.1100e-003</b>

## 7.0 Water Detail

## 7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	4.7186	0.0883	2.1600e-003	7.5683
Unmitigated	4.7186	0.0883	2.1600e-003	7.5683

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.6977 / 4.21947	4.7186	0.0883	2.1600e-003	7.5683
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.7186</b>	<b>0.0883</b>	<b>2.1600e-003</b>	<b>7.5683</b>

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	2.6977 / 4.21947	4.7186	0.0883	2.1600e-003	7.5683
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.7186</b>	<b>0.0883</b>	<b>2.1600e-003</b>	<b>7.5683</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	14.5139	0.8577	0.0000	35.9575
Unmitigated	14.5139	0.8577	0.0000	35.9575

### 8.2 Waste by Land Use

#### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			



Junior College (2Yr)	71.5	14.5139	0.8577	0.0000	35.9575
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>14.5139</b>	<b>0.8577</b>	<b>0.0000</b>	<b>35.9575</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	71.5	14.5139	0.8577	0.0000	35.9575
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>14.5139</b>	<b>0.8577</b>	<b>0.0000</b>	<b>35.9575</b>

**9.0 Operational Offroad**

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

**Fire Pumps and Emergency Generators**

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

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

Equipment Type	Number
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**11.0 Vegetation**

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