

5696 Stevens Creek Blvd. Hotel - AC by Marriott - Santa Clara County, Annual

**5696 Stevens Creek Blvd. Hotel - AC by Marriott**  
**Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	100.00	Space	0.00	49,590.00	0
Hotel	168.00	Room	0.42	77,900.00	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>	2020
<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**

Project Characteristics -

Land Use - Assumed start of construction - January 1, 2019  
 Building square footage set to 77,900 sq. ft. for proposed 7 stories  
 100 parking spaces

Construction Phase - Estimated construction time - 18 months

Grading - Grading includes excavation - 17,000 CY per Civil Plans

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	70.00
tblConstructionPhase	NumDays	100.00	220.00

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tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	2.00	60.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	1.00	2.00
tblConstructionPhase	PhaseEndDate	6/20/2019	6/17/2020
tblConstructionPhase	PhaseEndDate	6/6/2019	2/26/2020
tblConstructionPhase	PhaseEndDate	1/14/2019	1/28/2019
tblConstructionPhase	PhaseEndDate	1/17/2019	4/24/2019
tblConstructionPhase	PhaseEndDate	6/13/2019	3/11/2020
tblConstructionPhase	PhaseEndDate	1/15/2019	1/30/2019
tblConstructionPhase	PhaseStartDate	6/14/2019	3/12/2020
tblConstructionPhase	PhaseStartDate	1/18/2019	4/25/2019
tblConstructionPhase	PhaseStartDate	1/16/2019	1/31/2019
tblConstructionPhase	PhaseStartDate	6/7/2019	2/27/2020
tblConstructionPhase	PhaseStartDate	1/15/2019	1/29/2019
tblGrading	AcresOfGrading	0.00	0.42
tblGrading	AcresOfGrading	1.00	0.42
tblGrading	MaterialExported	0.00	17,000.00
tblLandUse	BuildingSpaceSquareFeet	40,000.00	49,590.00
tblLandUse	BuildingSpaceSquareFeet	243,936.00	77,900.00
tblLandUse	LandUseSquareFeet	40,000.00	49,590.00
tblLandUse	LandUseSquareFeet	243,936.00	77,900.00
tblLandUse	LotAcreage	0.90	0.00
tblLandUse	LotAcreage	5.60	0.42
tblProjectCharacteristics	OperationalYear	2018	2020

**2.0 Emissions Summary**



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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	0.5537	0.5537
2	4-1-2019	6-30-2019	0.5087	0.5087
3	7-1-2019	9-30-2019	0.4544	0.4544
4	10-1-2019	12-31-2019	0.4572	0.4572
5	1-1-2020	3-31-2020	0.3949	0.3949
6	4-1-2020	6-30-2020	0.3869	0.3869
		Highest	0.5537	0.5537

**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	0.3493	2.0000e-005	2.4800e-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
Energy	0.0187	0.1700	0.1428	1.0200e-003		0.0129	0.0129		0.0129	0.0129	0.0000	458.5735	458.5735	0.0159	5.9500e-003	460.7449
Mobile	0.3378	1.3396	3.6543	0.0109	0.9324	0.0110	0.9435	0.2496	0.0104	0.2600	0.0000	995.7336	995.7336	0.0378	0.0000	996.6776
Waste						0.0000	0.0000		0.0000	0.0000	18.6711	0.0000	18.6711	1.1034	0.0000	46.2569
Water						0.0000	0.0000		0.0000	0.0000	1.3520	7.1904	8.5425	0.1392	3.3500e-003	13.0194
<b>Total</b>	<b>0.7059</b>	<b>1.5095</b>	<b>3.7996</b>	<b>0.0119</b>	<b>0.9324</b>	<b>0.0240</b>	<b>0.9564</b>	<b>0.2496</b>	<b>0.0233</b>	<b>0.2729</b>	<b>20.0231</b>	<b>1,461.5023</b>	<b>1,481.5254</b>	<b>1.2963</b>	<b>9.3000e-003</b>	<b>1,516.7039</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3493	2.0000e-005	2.4800e-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
Energy	0.0187	0.1700	0.1428	1.0200e-003		0.0129	0.0129		0.0129	0.0129	0.0000	458.5735	458.5735	0.0159	5.9500e-003	460.7449
Mobile	0.3378	1.3396	3.6543	0.0109	0.9324	0.0110	0.9435	0.2496	0.0104	0.2600	0.0000	995.7336	995.7336	0.0378	0.0000	996.6776
Waste						0.0000	0.0000		0.0000	0.0000	18.6711	0.0000	18.6711	1.1034	0.0000	46.2569
Water						0.0000	0.0000		0.0000	0.0000	1.3520	7.1904	8.5425	0.1392	3.3500e-003	13.0194
<b>Total</b>	<b>0.7059</b>	<b>1.5095</b>	<b>3.7996</b>	<b>0.0119</b>	<b>0.9324</b>	<b>0.0240</b>	<b>0.9564</b>	<b>0.2496</b>	<b>0.0233</b>	<b>0.2729</b>	<b>20.0231</b>	<b>1,461.5023</b>	<b>1,481.5254</b>	<b>1.2963</b>	<b>9.3000e-003</b>	<b>1,516.7039</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
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**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/28/2019	5	20	
2	Site Preparation	Site Preparation	1/29/2019	1/30/2019	5	2	
3	Grading	Grading	1/31/2019	4/24/2019	5	60	
4	Building Construction	Building Construction	4/25/2019	2/26/2020	5	220	
5	Paving	Paving	2/27/2020	3/11/2020	5	10	
6	Architectural Coating	Architectural Coating	3/12/2020	6/17/2020	5	70	

**Acres of Grading (Site Preparation Phase): 0.415**

**Acres of Grading (Grading Phase): 0.415**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 116,850; Non-Residential Outdoor: 38,950; Striped Parking Area: 2,975 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	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
Architectural Coating	1	11.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	54.00	21.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	2,125.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

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**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	9.5300e-003	0.0860	0.0769	1.2000e-004		5.3700e-003	5.3700e-003		5.1200e-003	5.1200e-003	0.0000	10.5202	10.5202	2.0100e-003	0.0000	10.5704
<b>Total</b>	<b>9.5300e-003</b>	<b>0.0860</b>	<b>0.0769</b>	<b>1.2000e-004</b>		<b>5.3700e-003</b>	<b>5.3700e-003</b>		<b>5.1200e-003</b>	<b>5.1200e-003</b>	<b>0.0000</b>	<b>10.5202</b>	<b>10.5202</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>10.5704</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	3.6000e-004	2.7000e-004	2.7900e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.7021	0.7021	2.0000e-005	0.0000	0.7026
<b>Total</b>	<b>3.6000e-004</b>	<b>2.7000e-004</b>	<b>2.7900e-003</b>	<b>1.0000e-005</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.7021</b>	<b>0.7021</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7026</b>



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**3.2 Demolition - 2019**

**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	9.5300e-003	0.0860	0.0769	1.2000e-004		5.3700e-003	5.3700e-003		5.1200e-003	5.1200e-003	0.0000	10.5202	10.5202	2.0100e-003	0.0000	10.5704
<b>Total</b>	<b>9.5300e-003</b>	<b>0.0860</b>	<b>0.0769</b>	<b>1.2000e-004</b>		<b>5.3700e-003</b>	<b>5.3700e-003</b>		<b>5.1200e-003</b>	<b>5.1200e-003</b>	<b>0.0000</b>	<b>10.5202</b>	<b>10.5202</b>	<b>2.0100e-003</b>	<b>0.0000</b>	<b>10.5704</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	3.6000e-004	2.7000e-004	2.7900e-003	1.0000e-005	7.9000e-004	1.0000e-005	8.0000e-004	2.1000e-004	0.0000	2.2000e-004	0.0000	0.7021	0.7021	2.0000e-005	0.0000	0.7026
<b>Total</b>	<b>3.6000e-004</b>	<b>2.7000e-004</b>	<b>2.7900e-003</b>	<b>1.0000e-005</b>	<b>7.9000e-004</b>	<b>1.0000e-005</b>	<b>8.0000e-004</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>0.7021</b>	<b>0.7021</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.7026</b>

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**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					2.2000e-004	0.0000	2.2000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2000e-004	8.9200e-003	4.1400e-003	1.0000e-005		3.7000e-004	3.7000e-004		3.4000e-004	3.4000e-004	0.0000	0.8756	0.8756	2.8000e-004	0.0000	0.8825
<b>Total</b>	<b>7.2000e-004</b>	<b>8.9200e-003</b>	<b>4.1400e-003</b>	<b>1.0000e-005</b>	<b>2.2000e-004</b>	<b>3.7000e-004</b>	<b>5.9000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>0.8756</b>	<b>0.8756</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.8825</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	2.0000e-005	1.0000e-005	1.4000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0351	0.0351	0.0000	0.0000	0.0351
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0351</b>	<b>0.0351</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0351</b>

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**3.3 Site Preparation - 2019**

**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					2.2000e-004	0.0000	2.2000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.2000e-004	8.9200e-003	4.1400e-003	1.0000e-005		3.7000e-004	3.7000e-004		3.4000e-004	3.4000e-004	0.0000	0.8756	0.8756	2.8000e-004	0.0000	0.8825
<b>Total</b>	<b>7.2000e-004</b>	<b>8.9200e-003</b>	<b>4.1400e-003</b>	<b>1.0000e-005</b>	<b>2.2000e-004</b>	<b>3.7000e-004</b>	<b>5.9000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>3.6000e-004</b>	<b>0.0000</b>	<b>0.8756</b>	<b>0.8756</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.8825</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	2.0000e-005	1.0000e-005	1.4000e-004	0.0000	4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0351	0.0351	0.0000	0.0000	0.0351
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0351</b>	<b>0.0351</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0351</b>

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**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					0.0238	0.0000	0.0238	0.0126	0.0000	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.2581	0.2308	3.6000e-004		0.0161	0.0161		0.0154	0.0154	0.0000	31.5607	31.5607	6.0200e-003	0.0000	31.7111
<b>Total</b>	<b>0.0286</b>	<b>0.2581</b>	<b>0.2308</b>	<b>3.6000e-004</b>	<b>0.0238</b>	<b>0.0161</b>	<b>0.0399</b>	<b>0.0126</b>	<b>0.0154</b>	<b>0.0280</b>	<b>0.0000</b>	<b>31.5607</b>	<b>31.5607</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>31.7111</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	9.6600e-003	0.3308	0.0653	8.5000e-004	0.0180	1.2700e-003	0.0193	4.9500e-003	1.2100e-003	6.1700e-003	0.0000	81.8810	81.8810	3.8400e-003	0.0000	81.9769
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	1.0900e-003	8.1000e-004	8.3800e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.4000e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.1063	2.1063	6.0000e-005	0.0000	2.1077
<b>Total</b>	<b>0.0108</b>	<b>0.3316</b>	<b>0.0737</b>	<b>8.7000e-004</b>	<b>0.0204</b>	<b>1.2900e-003</b>	<b>0.0217</b>	<b>5.5800e-003</b>	<b>1.2200e-003</b>	<b>6.8200e-003</b>	<b>0.0000</b>	<b>83.9873</b>	<b>83.9873</b>	<b>3.9000e-003</b>	<b>0.0000</b>	<b>84.0846</b>

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**3.4 Grading - 2019**

**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					0.0238	0.0000	0.0238	0.0126	0.0000	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.2581	0.2308	3.6000e-004		0.0161	0.0161		0.0154	0.0154	0.0000	31.5607	31.5607	6.0200e-003	0.0000	31.7111
<b>Total</b>	<b>0.0286</b>	<b>0.2581</b>	<b>0.2308</b>	<b>3.6000e-004</b>	<b>0.0238</b>	<b>0.0161</b>	<b>0.0399</b>	<b>0.0126</b>	<b>0.0154</b>	<b>0.0280</b>	<b>0.0000</b>	<b>31.5607</b>	<b>31.5607</b>	<b>6.0200e-003</b>	<b>0.0000</b>	<b>31.7111</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	9.6600e-003	0.3308	0.0653	8.5000e-004	0.0180	1.2700e-003	0.0193	4.9500e-003	1.2100e-003	6.1700e-003	0.0000	81.8810	81.8810	3.8400e-003	0.0000	81.9769
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	1.0900e-003	8.1000e-004	8.3800e-003	2.0000e-005	2.3800e-003	2.0000e-005	2.4000e-003	6.3000e-004	1.0000e-005	6.5000e-004	0.0000	2.1063	2.1063	6.0000e-005	0.0000	2.1077
<b>Total</b>	<b>0.0108</b>	<b>0.3316</b>	<b>0.0737</b>	<b>8.7000e-004</b>	<b>0.0204</b>	<b>1.2900e-003</b>	<b>0.0217</b>	<b>5.5800e-003</b>	<b>1.2200e-003</b>	<b>6.8200e-003</b>	<b>0.0000</b>	<b>83.9873</b>	<b>83.9873</b>	<b>3.9000e-003</b>	<b>0.0000</b>	<b>84.0846</b>

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**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	0.0857	0.8790	0.6751	1.0200e-003		0.0542	0.0542		0.0499	0.0499	0.0000	91.5589	91.5589	0.0290	0.0000	92.2831
<b>Total</b>	<b>0.0857</b>	<b>0.8790</b>	<b>0.6751</b>	<b>1.0200e-003</b>		<b>0.0542</b>	<b>0.0542</b>		<b>0.0499</b>	<b>0.0499</b>	<b>0.0000</b>	<b>91.5589</b>	<b>91.5589</b>	<b>0.0290</b>	<b>0.0000</b>	<b>92.2831</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	9.2200e-003	0.2373	0.0637	5.2000e-004	0.0124	1.7100e-003	0.0141	3.5700e-003	1.6300e-003	5.2100e-003	0.0000	49.4406	49.4406	2.4500e-003	0.0000	49.5019
Worker	0.0176	0.0131	0.1350	3.8000e-004	0.0383	2.5000e-004	0.0386	0.0102	2.3000e-004	0.0104	0.0000	33.9317	33.9317	9.2000e-004	0.0000	33.9548
<b>Total</b>	<b>0.0268</b>	<b>0.2504</b>	<b>0.1987</b>	<b>9.0000e-004</b>	<b>0.0507</b>	<b>1.9600e-003</b>	<b>0.0527</b>	<b>0.0138</b>	<b>1.8600e-003</b>	<b>0.0156</b>	<b>0.0000</b>	<b>83.3723</b>	<b>83.3723</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>83.4567</b>

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**3.5 Building Construction - 2019**

**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	0.0857	0.8790	0.6751	1.0200e-003		0.0542	0.0542		0.0499	0.0499	0.0000	91.5588	91.5588	0.0290	0.0000	92.2830
<b>Total</b>	<b>0.0857</b>	<b>0.8790</b>	<b>0.6751</b>	<b>1.0200e-003</b>		<b>0.0542</b>	<b>0.0542</b>		<b>0.0499</b>	<b>0.0499</b>	<b>0.0000</b>	<b>91.5588</b>	<b>91.5588</b>	<b>0.0290</b>	<b>0.0000</b>	<b>92.2830</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	9.2200e-003	0.2373	0.0637	5.2000e-004	0.0124	1.7100e-003	0.0141	3.5700e-003	1.6300e-003	5.2100e-003	0.0000	49.4406	49.4406	2.4500e-003	0.0000	49.5019
Worker	0.0176	0.0131	0.1350	3.8000e-004	0.0383	2.5000e-004	0.0386	0.0102	2.3000e-004	0.0104	0.0000	33.9317	33.9317	9.2000e-004	0.0000	33.9548
<b>Total</b>	<b>0.0268</b>	<b>0.2504</b>	<b>0.1987</b>	<b>9.0000e-004</b>	<b>0.0507</b>	<b>1.9600e-003</b>	<b>0.0527</b>	<b>0.0138</b>	<b>1.8600e-003</b>	<b>0.0156</b>	<b>0.0000</b>	<b>83.3723</b>	<b>83.3723</b>	<b>3.3700e-003</b>	<b>0.0000</b>	<b>83.4567</b>

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**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	0.0177	0.1815	0.1514	2.3000e-004		0.0107	0.0107		9.8500e-003	9.8500e-003	0.0000	20.5124	20.5124	6.6300e-003	0.0000	20.6783
<b>Total</b>	<b>0.0177</b>	<b>0.1815</b>	<b>0.1514</b>	<b>2.3000e-004</b>		<b>0.0107</b>	<b>0.0107</b>		<b>9.8500e-003</b>	<b>9.8500e-003</b>	<b>0.0000</b>	<b>20.5124</b>	<b>20.5124</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>20.6783</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	1.7100e-003	0.0490	0.0131	1.2000e-004	2.8300e-003	2.4000e-004	3.0700e-003	8.2000e-004	2.3000e-004	1.0500e-003	0.0000	11.2551	11.2551	5.2000e-004	0.0000	11.2680
Worker	3.6800e-003	2.6400e-003	0.0277	8.0000e-005	8.7800e-003	6.0000e-005	8.8400e-003	2.3400e-003	5.0000e-005	2.3900e-003	0.0000	7.5293	7.5293	1.8000e-004	0.0000	7.5339
<b>Total</b>	<b>5.3900e-003</b>	<b>0.0517</b>	<b>0.0408</b>	<b>2.0000e-004</b>	<b>0.0116</b>	<b>3.0000e-004</b>	<b>0.0119</b>	<b>3.1600e-003</b>	<b>2.8000e-004</b>	<b>3.4400e-003</b>	<b>0.0000</b>	<b>18.7844</b>	<b>18.7844</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>18.8019</b>



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**3.5 Building Construction - 2020**

**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	0.0177	0.1815	0.1514	2.3000e-004		0.0107	0.0107		9.8500e-003	9.8500e-003	0.0000	20.5124	20.5124	6.6300e-003	0.0000	20.6782
<b>Total</b>	<b>0.0177</b>	<b>0.1815</b>	<b>0.1514</b>	<b>2.3000e-004</b>		<b>0.0107</b>	<b>0.0107</b>		<b>9.8500e-003</b>	<b>9.8500e-003</b>	<b>0.0000</b>	<b>20.5124</b>	<b>20.5124</b>	<b>6.6300e-003</b>	<b>0.0000</b>	<b>20.6782</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	1.7100e-003	0.0490	0.0131	1.2000e-004	2.8300e-003	2.4000e-004	3.0700e-003	8.2000e-004	2.3000e-004	1.0500e-003	0.0000	11.2551	11.2551	5.2000e-004	0.0000	11.2680
Worker	3.6800e-003	2.6400e-003	0.0277	8.0000e-005	8.7800e-003	6.0000e-005	8.8400e-003	2.3400e-003	5.0000e-005	2.3900e-003	0.0000	7.5293	7.5293	1.8000e-004	0.0000	7.5339
<b>Total</b>	<b>5.3900e-003</b>	<b>0.0517</b>	<b>0.0408</b>	<b>2.0000e-004</b>	<b>0.0116</b>	<b>3.0000e-004</b>	<b>0.0119</b>	<b>3.1600e-003</b>	<b>2.8000e-004</b>	<b>3.4400e-003</b>	<b>0.0000</b>	<b>18.7844</b>	<b>18.7844</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>18.8019</b>

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**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	3.8600e-003	0.0361	0.0356	6.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	4.6965	4.6965	1.3700e-003	0.0000	4.7307
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>3.8600e-003</b>	<b>0.0361</b>	<b>0.0356</b>	<b>6.0000e-005</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>		<b>1.8300e-003</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>4.6965</b>	<b>4.6965</b>	<b>1.3700e-003</b>	<b>0.0000</b>	<b>4.7307</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	3.0000e-004	2.1000e-004	2.2500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6121	0.6121	2.0000e-005	0.0000	0.6125
<b>Total</b>	<b>3.0000e-004</b>	<b>2.1000e-004</b>	<b>2.2500e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6121</b>	<b>0.6121</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6125</b>

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**3.6 Paving - 2020**

**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	3.8600e-003	0.0361	0.0356	6.0000e-005		1.9800e-003	1.9800e-003		1.8300e-003	1.8300e-003	0.0000	4.6965	4.6965	1.3700e-003	0.0000	4.7307
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>3.8600e-003</b>	<b>0.0361</b>	<b>0.0356</b>	<b>6.0000e-005</b>		<b>1.9800e-003</b>	<b>1.9800e-003</b>		<b>1.8300e-003</b>	<b>1.8300e-003</b>	<b>0.0000</b>	<b>4.6965</b>	<b>4.6965</b>	<b>1.3700e-003</b>	<b>0.0000</b>	<b>4.7307</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	3.0000e-004	2.1000e-004	2.2500e-003	1.0000e-005	7.1000e-004	0.0000	7.2000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.6121	0.6121	2.0000e-005	0.0000	0.6125
<b>Total</b>	<b>3.0000e-004</b>	<b>2.1000e-004</b>	<b>2.2500e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>0.0000</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>0.6121</b>	<b>0.6121</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6125</b>

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**3.7 Architectural Coating - 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					
Archit. Coating	0.4165					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4800e-003	0.0589	0.0641	1.0000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	8.9364	8.9364	6.9000e-004	0.0000	8.9537
<b>Total</b>	<b>0.4250</b>	<b>0.0589</b>	<b>0.0641</b>	<b>1.0000e-004</b>		<b>3.8800e-003</b>	<b>3.8800e-003</b>		<b>3.8800e-003</b>	<b>3.8800e-003</b>	<b>0.0000</b>	<b>8.9364</b>	<b>8.9364</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>8.9537</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	1.2800e-003	9.2000e-004	9.6400e-003	3.0000e-005	3.0500e-003	2.0000e-005	3.0700e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.6186	2.6186	6.0000e-005	0.0000	2.6202
<b>Total</b>	<b>1.2800e-003</b>	<b>9.2000e-004</b>	<b>9.6400e-003</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>2.0000e-005</b>	<b>3.0700e-003</b>	<b>8.1000e-004</b>	<b>2.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>2.6186</b>	<b>2.6186</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.6202</b>

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**3.7 Architectural Coating - 2020**

**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	0.4165					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	8.4800e-003	0.0589	0.0641	1.0000e-004		3.8800e-003	3.8800e-003		3.8800e-003	3.8800e-003	0.0000	8.9364	8.9364	6.9000e-004	0.0000	8.9537
<b>Total</b>	<b>0.4250</b>	<b>0.0589</b>	<b>0.0641</b>	<b>1.0000e-004</b>		<b>3.8800e-003</b>	<b>3.8800e-003</b>		<b>3.8800e-003</b>	<b>3.8800e-003</b>	<b>0.0000</b>	<b>8.9364</b>	<b>8.9364</b>	<b>6.9000e-004</b>	<b>0.0000</b>	<b>8.9537</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	1.2800e-003	9.2000e-004	9.6400e-003	3.0000e-005	3.0500e-003	2.0000e-005	3.0700e-003	8.1000e-004	2.0000e-005	8.3000e-004	0.0000	2.6186	2.6186	6.0000e-005	0.0000	2.6202
<b>Total</b>	<b>1.2800e-003</b>	<b>9.2000e-004</b>	<b>9.6400e-003</b>	<b>3.0000e-005</b>	<b>3.0500e-003</b>	<b>2.0000e-005</b>	<b>3.0700e-003</b>	<b>8.1000e-004</b>	<b>2.0000e-005</b>	<b>8.3000e-004</b>	<b>0.0000</b>	<b>2.6186</b>	<b>2.6186</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.6202</b>

**4.0 Operational Detail - Mobile**

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**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	0.3378	1.3396	3.6543	0.0109	0.9324	0.0110	0.9435	0.2496	0.0104	0.2600	0.0000	995.7336	995.7336	0.0378	0.0000	996.6776
Unmitigated	0.3378	1.3396	3.6543	0.0109	0.9324	0.0110	0.9435	0.2496	0.0104	0.2600	0.0000	995.7336	995.7336	0.0378	0.0000	996.6776

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
Hotel	1,372.56	1,375.92	999.60	2,507,453	2,507,453
Total	1,372.56	1,375.92	999.60	2,507,453	2,507,453

**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
Enclosed Parking with Elevator	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Hotel	9.50	7.30	7.30	19.40	61.60	19.00	58	38	4

**4.4 Fleet Mix**

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Enclosed Parking with Elevator	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785
Hotel	0.604810	0.038204	0.185149	0.108513	0.015498	0.004981	0.012268	0.020156	0.002083	0.001571	0.005363	0.000620	0.000785

**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	273.5436	273.5436	0.0124	2.5600e-003	274.6155
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	273.5436	273.5436	0.0124	2.5600e-003	274.6155
NaturalGas Mitigated	0.0187	0.1700	0.1428	1.0200e-003		0.0129	0.0129		0.0129	0.0129	0.0000	185.0299	185.0299	3.5500e-003	3.3900e-003	186.1294
NaturalGas Unmitigated	0.0187	0.1700	0.1428	1.0200e-003		0.0129	0.0129		0.0129	0.0129	0.0000	185.0299	185.0299	3.5500e-003	3.3900e-003	186.1294

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	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
Hotel	3.46733e+006	0.0187	0.1700	0.1428	1.0200e-003		0.0129	0.0129		0.0129	0.0129	0.0000	185.0299	185.0299	3.5500e-003	3.3900e-003	186.1294
<b>Total</b>		<b>0.0187</b>	<b>0.1700</b>	<b>0.1428</b>	<b>1.0200e-003</b>		<b>0.0129</b>	<b>0.0129</b>		<b>0.0129</b>	<b>0.0129</b>	<b>0.0000</b>	<b>185.0299</b>	<b>185.0299</b>	<b>3.5500e-003</b>	<b>3.3900e-003</b>	<b>186.1294</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	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
Hotel	3.46733e+006	0.0187	0.1700	0.1428	1.0200e-003		0.0129	0.0129		0.0129	0.0129	0.0000	185.0299	185.0299	3.5500e-003	3.3900e-003	186.1294
<b>Total</b>		<b>0.0187</b>	<b>0.1700</b>	<b>0.1428</b>	<b>1.0200e-003</b>		<b>0.0129</b>	<b>0.0129</b>		<b>0.0129</b>	<b>0.0129</b>	<b>0.0000</b>	<b>185.0299</b>	<b>185.0299</b>	<b>3.5500e-003</b>	<b>3.3900e-003</b>	<b>186.1294</b>



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### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	334237	97.2333	4.4000e-003	9.1000e-004	97.6143
Hotel	606062	176.3104	7.9700e-003	1.6500e-003	177.0012
<b>Total</b>		<b>273.5437</b>	<b>0.0124</b>	<b>2.5600e-003</b>	<b>274.6155</b>

#### Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	334237	97.2333	4.4000e-003	9.1000e-004	97.6143
Hotel	606062	176.3104	7.9700e-003	1.6500e-003	177.0012
<b>Total</b>		<b>273.5437</b>	<b>0.0124</b>	<b>2.5600e-003</b>	<b>274.6155</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3493	2.0000e-005	2.4800e-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	0.3493	2.0000e-005	2.4800e-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

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	0.0417					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3074					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	2.4800e-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>0.3493</b>	<b>2.0000e-005</b>	<b>2.4800e-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>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0417					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3074					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	2.4800e-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>0.3493</b>	<b>2.0000e-005</b>	<b>2.4800e-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**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.5425	0.1392	3.3500e-003	13.0194
Unmitigated	8.5425	0.1392	3.3500e-003	13.0194

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	4.26162 / 0.473513	8.5425	0.1392	3.3500e-003	13.0194
<b>Total</b>		<b>8.5425</b>	<b>0.1392</b>	<b>3.3500e-003</b>	<b>13.0194</b>

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## 7.2 Water by Land Use

### Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Hotel	4.26162 / 0.473513	8.5425	0.1392	3.3500e-003	13.0194
<b>Total</b>		<b>8.5425</b>	<b>0.1392</b>	<b>3.3500e-003</b>	<b>13.0194</b>

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

#### Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.6711	1.1034	0.0000	46.2569
Unmitigated	18.6711	1.1034	0.0000	46.2569

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### 8.2 Waste by Land Use

#### Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	91.98	18.6711	1.1034	0.0000	46.2569
<b>Total</b>		<b>18.6711</b>	<b>1.1034</b>	<b>0.0000</b>	<b>46.2569</b>

#### Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Hotel	91.98	18.6711	1.1034	0.0000	46.2569
<b>Total</b>		<b>18.6711</b>	<b>1.1034</b>	<b>0.0000</b>	<b>46.2569</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

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### Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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## 11.0 Vegetation

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