

Appendix A: Air Quality and GHG Emission Estimates / CALEEMOD Data

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Appendix A: Air Quality and GHG Emission Estimates / CALEEMOD Data

Summary of Technical Appendix: MIG, Inc. (formerly TRA Environmental Sciences) modeled potential short-term construction and long-term operations emissions associated with the proposed project. The modeling was conducted using the California Emissions Estimator Model (CalEEMod), Version 2013.2.2.

The characteristics (e.g., size, construction activities) of the proposed project are such that it meets the Bay Area Air Quality Management District's screening criteria for construction and operational emissions of criteria air pollutants (e.g., ozone precursor emissions, particulate matter emissions). The project, therefore, was presumed to result in less than significant air quality impacts during construction and operation. The CalEEMod emissions file confirmed this presumption (see Tables A-1 and A-3).

The characteristics of the proposed project do not meet the BAAQMD screening criteria for GHG emissions (the proposed project size is above the BAAQMD screening size threshold for a "General Office Building" land use, which is 12,000 square feet for GHG emissions). Therefore, a CalEEMod model run to estimate GHG emissions was performed. The CalEEMod project file indicates construction and operation of the proposed project would generate a total of 109 Metric Tons of Carbon Dioxide Equivalents, or MTCO_{2e}, from construction, or approximately 4.4 MTCO_{2e} per year when averaged over a presumed 25-year project lifetime. The CalEEMod project file estimates project operation would generate 271 MTCO_{2e} per year during operation. Combined average construction and operational emissions would therefore equal approximately 275 MTCO_{2e} per year, which is less than the BAAQMD's current recommended CEQA threshold of significance for land use projects of 1,100 MTCO_{2e}.

The technical data contained herein includes:

- A summary sheet of CalEEMod-estimated construction and operational emissions
- The CalEEMod output file generated for the project

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945 Lincoln Avenue Redevelopment Project

945 Lincoln Avenue, San Jose, CA 95126

Appendix A: Air Quality and GHG Emission Estimates / CALEEMOD Data

Prepared by TRA Environmental Sciences, May 2014

Table A1: Construction Emissions Summary (Unmitigated Scenario)

Source	Fugitive Dust Emissions			
	PM10	PM2.5		
Fugitive Dust				
Total Emissions (tons/year)	0.02	0.00		
Average Daily Emissions (lbs/day)	0.21	0.06		
	Paving and Equipment Emissions			
Paving and Equipment	ROG	NOX	PM10	PM2.5
Total Emissions (tons/year)	0.14	1.28	0.09	0.08
Average Daily Emissions (lbs/day)	1.69	16.02	1.08	1.00

Source: CalEEMod 2013.2.2

Table A2: Construction GHG Emissions Summary (Unmitigated Scenario)

Equipment	Equipment GHG Emissions					
	CO2	CH4	CH4 CO2e	N2O	N2O CO2e	TOTAL CO2e
Total Emissions (metric tons/year)	108	0.03	0.58	0.00	0.00	109

Source: CalEEMod 2013.2.2

Table A3: Operational Emissions Summary (Unmitigated Scenario)

Area, Energy, and Mobile Sources	Operational Emissions					
	ROG	NOX	CO	SO2	PM10	PM2.5
Total Emissions (tons/year)	0.21	0.23	0.99	0.00	0.13	0.04
Average Daily Emissions (lbs/day)	1.4	1.5	6.3	0.0	0.8	0.2

Source: CalEEMod 2013.2.2

Table A4: Operational GHG Emissions Summary (Unmitigated Scenario)

Area, Energy, and Mobile Sources	Operational GHG Emissions					
	CO2	CH4	CH4 CO2e	N2O	N2O CO2e	TOTAL CO2e
Total Emissions (metric tons/year)	263	0.30	6.30	0.00	1.12	271

Source: CalEEMod 2013.2.2

**945 Lincoln, San Jose, Ca
Santa Clara County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	17.00	1000sqft	0.45	17,000.00	0
Parking Lot	25.00	Space	0.22	10,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	58
Climate Zone	4			Operational Year	2015
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	641.35	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Lot override
- Construction Phase - Schedule override
- Grading - disturbance override
- Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	100.00	140.00
tblConstructionPhase	NumDays	2.00	5.00
tblConstructionPhase	NumDays	5.00	10.00
tblConstructionPhase	NumDays	1.00	10.00

tblConstructionPhase	PhaseEndDate	12/5/2014	11/28/2014
tblConstructionPhase	PhaseEndDate	6/26/2015	6/19/2015
tblConstructionPhase	PhaseStartDate	11/29/2014	12/1/2014
tblConstructionPhase	PhaseStartDate	11/29/2014	11/24/2014
tblConstructionPhase	PhaseStartDate	6/13/2015	6/8/2015
tblConstructionPhase	PhaseStartDate	11/15/2014	11/17/2014
tblGrading	AcresOfGrading	5.00	0.50
tblLandUse	LotAcreage	0.39	0.45
tblProjectCharacteristics	OperationalYear	2014	2015

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					
2014	0.0378	0.3521	0.2258	3.2000e-004	8.9100e-003	0.0236	0.0325	2.3900e-003	0.0220	0.0244	0.0000	29.5301	29.5301	6.8900e-003	0.0000	29.6748
2015	0.0973	0.9296	0.5943	8.5000e-004	7.6600e-003	0.0626	0.0702	2.0700e-003	0.0576	0.0597	0.0000	78.9325	78.9325	0.0206	0.0000	79.3649
Total	0.1351	1.2817	0.8200	1.1700e-003	0.0166	0.0862	0.1028	4.4600e-003	0.0796	0.0840	0.0000	108.4626	108.4626	0.0275	0.0000	109.0398

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					

2014	0.0378	0.3521	0.2258	3.2000e-004	8.9100e-003	0.0236	0.0325	2.3900e-003	0.0220	0.0244	0.0000	29.5300	29.5300	6.8900e-003	0.0000	29.6748
2015	0.0973	0.9296	0.5943	8.5000e-004	7.6600e-003	0.0626	0.0702	2.0700e-003	0.0576	0.0597	0.0000	78.9324	78.9324	0.0206	0.0000	79.3649
Total	0.1351	1.2817	0.8200	1.1700e-003	0.0166	0.0862	0.1028	4.4600e-003	0.0796	0.0840	0.0000	108.4625	108.4625	0.0275	0.0000	109.0397

	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

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	0.1145	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Energy	1.5800e-003	0.0144	0.0121	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	115.6575	115.6575	4.8200e-003	1.2200e-003	116.1376
Mobile	0.0965	0.2161	0.9769	1.7300e-003	0.1258	2.8600e-003	0.1286	0.0336	2.6200e-003	0.0362	0.0000	141.0868	141.0868	6.5100e-003	0.0000	141.2235
Waste						0.0000	0.0000		0.0000	0.0000	3.2093	0.0000	3.2093	0.1897	0.0000	7.1922
Water						0.0000	0.0000		0.0000	0.0000	0.9586	6.6417	7.6003	0.0988	2.3900e-003	10.4141
Total	0.2125	0.2305	0.9894	1.8200e-003	0.1258	3.9500e-003	0.1297	0.0336	3.7100e-003	0.0373	4.1679	263.3868	267.5546	0.2998	3.6100e-003	274.9682

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	0.1145	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Energy	1.5800e-003	0.0144	0.0121	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	115.6575	115.6575	4.8200e-003	1.2200e-003	116.1376
Mobile	0.0965	0.2161	0.9769	1.7300e-003	0.1258	2.8600e-003	0.1286	0.0336	2.6200e-003	0.0362	0.0000	141.0868	141.0868	6.5100e-003	0.0000	141.2235
Waste						0.0000	0.0000		0.0000	0.0000	3.2093	0.0000	3.2093	0.1897	0.0000	7.1922
Water						0.0000	0.0000		0.0000	0.0000	0.9586	6.6417	7.6003	0.0987	2.3800e-003	10.4126
Total	0.2125	0.2305	0.9894	1.8200e-003	0.1258	3.9500e-003	0.1297	0.0336	3.7100e-003	0.0373	4.1679	263.3868	267.5546	0.2997	3.6000e-003	274.9667

	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	0.01	0.28	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	11/3/2014	11/14/2014	5	10	
2	Site Preparation	Site Preparation	11/17/2014	11/28/2014	5	10	
3	Grading	Grading	11/24/2014	11/28/2014	5	5	
4	Building Construction	Building Construction	12/1/2014	6/12/2015	5	140	
5	Paving	Paving	6/8/2015	6/19/2015	5	10	

Acres of Grading (Site Preparation Phase): 0.5

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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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	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	174	0.41
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Rubber Tired Dozers	1	1.00	255	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
Demolition	4	10.00	0.00	39.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	10.00	4.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	12.40	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2014

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					4.1800e-003	0.0000	4.1800e-003	6.3000e-004	0.0000	6.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4600e-003	0.0625	0.0443	6.0000e-005		4.6500e-003	4.6500e-003		4.4500e-003	4.4500e-003	0.0000	5.4760	5.4760	1.1400e-003	0.0000	5.4999
Total	7.4600e-003	0.0625	0.0443	6.0000e-005	4.1800e-003	4.6500e-003	8.8300e-003	6.3000e-004	4.4500e-003	5.0800e-003	0.0000	5.4760	5.4760	1.1400e-003	0.0000	5.4999

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	5.7000e-004	7.8600e-003	5.4200e-003	1.0000e-005	3.3000e-004	1.4000e-004	4.7000e-004	9.0000e-005	1.3000e-004	2.2000e-004	0.0000	1.3702	1.3702	1.0000e-005	0.0000	1.3705
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	2.3000e-004	3.3000e-004	3.1900e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4296	0.4296	3.0000e-005	0.0000	0.4302
Total	8.0000e-004	8.1900e-003	8.6100e-003	2.0000e-005	7.9000e-004	1.4000e-004	9.3000e-004	2.1000e-004	1.3000e-004	3.4000e-004	0.0000	1.7999	1.7999	4.0000e-005	0.0000	1.8007

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					4.1800e-003	0.0000	4.1800e-003	6.3000e-004	0.0000	6.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4600e-003	0.0625	0.0443	6.0000e-005		4.6500e-003	4.6500e-003		4.4500e-003	4.4500e-003	0.0000	5.4760	5.4760	1.1400e-003	0.0000	5.4999
Total	7.4600e-003	0.0625	0.0443	6.0000e-005	4.1800e-003	4.6500e-003	8.8300e-003	6.3000e-004	4.4500e-003	5.0800e-003	0.0000	5.4760	5.4760	1.1400e-003	0.0000	5.4999

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	5.7000e-004	7.8600e-003	5.4200e-003	1.0000e-005	3.3000e-004	1.4000e-004	4.7000e-004	9.0000e-005	1.3000e-004	2.2000e-004	0.0000	1.3702	1.3702	1.0000e-005	0.0000	1.3705
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	2.3000e-004	3.3000e-004	3.1900e-003	1.0000e-005	4.6000e-004	0.0000	4.6000e-004	1.2000e-004	0.0000	1.2000e-004	0.0000	0.4296	0.4296	3.0000e-005	0.0000	0.4302
Total	8.0000e-004	8.1900e-003	8.6100e-003	2.0000e-005	7.9000e-004	1.4000e-004	9.3000e-004	2.1000e-004	1.3000e-004	3.4000e-004	0.0000	1.7999	1.7999	4.0000e-005	0.0000	1.8007

3.3 Site Preparation - 2014

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1700e-003	0.0724	0.0370	5.0000e-005		4.4600e-003	4.4600e-003		4.1000e-003	4.1000e-003	0.0000	4.5141	4.5141	1.3300e-003	0.0000	4.5422
Total	7.1700e-003	0.0724	0.0370	5.0000e-005	2.7000e-004	4.4600e-003	4.7300e-003	3.0000e-005	4.1000e-003	4.1300e-003	0.0000	4.5141	4.5141	1.3300e-003	0.0000	4.5422

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	1.2000e-004	1.6000e-004	1.5900e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2148	0.2148	1.0000e-005	0.0000	0.2151
Total	1.2000e-004	1.6000e-004	1.5900e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2148	0.2148	1.0000e-005	0.0000	0.2151

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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.1700e-003	0.0724	0.0370	5.0000e-005		4.4600e-003	4.4600e-003		4.1000e-003	4.1000e-003	0.0000	4.5141	4.5141	1.3300e-003	0.0000	4.5422
Total	7.1700e-003	0.0724	0.0370	5.0000e-005	2.7000e-004	4.4600e-003	4.7300e-003	3.0000e-005	4.1000e-003	4.1300e-003	0.0000	4.5141	4.5141	1.3300e-003	0.0000	4.5422

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	1.2000e-004	1.6000e-004	1.5900e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2148	0.2148	1.0000e-005	0.0000	0.2151
Total	1.2000e-004	1.6000e-004	1.5900e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2148	0.2148	1.0000e-005	0.0000	0.2151

3.4 Grading - 2014

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					1.8800e-003	0.0000	1.8800e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7300e-003	0.0312	0.0221	3.0000e-005		2.3300e-003	2.3300e-003		2.2300e-003	2.2300e-003	0.0000	2.7380	2.7380	5.7000e-004	0.0000	2.7500
Total	3.7300e-003	0.0312	0.0221	3.0000e-005	1.8800e-003	2.3300e-003	4.2100e-003	1.0300e-003	2.2300e-003	3.2600e-003	0.0000	2.7380	2.7380	5.7000e-004	0.0000	2.7500

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	1.2000e-004	1.6000e-004	1.5900e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2148	0.2148	1.0000e-005	0.0000	0.2151
Total	1.2000e-004	1.6000e-004	1.5900e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2148	0.2148	1.0000e-005	0.0000	0.2151

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
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Category	tons/yr										MT/yr					
	Fugitive Dust					1.8800e-003	0.0000	1.8800e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7300e-003	0.0312	0.0221	3.0000e-005		2.3300e-003	2.3300e-003		2.2300e-003	2.2300e-003	0.0000	2.7380	2.7380	5.7000e-004	0.0000	2.7500
Total	3.7300e-003	0.0312	0.0221	3.0000e-005	1.8800e-003	2.3300e-003	4.2100e-003	1.0300e-003	2.2300e-003	3.2600e-003	0.0000	2.7380	2.7380	5.7000e-004	0.0000	2.7500

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	1.2000e-004	1.6000e-004	1.5900e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2148	0.2148	1.0000e-005	0.0000	0.2151
Total	1.2000e-004	1.6000e-004	1.5900e-003	0.0000	2.3000e-004	0.0000	2.3000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2148	0.2148	1.0000e-005	0.0000	0.2151

3.5 Building Construction - 2014

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	0.0172	0.1706	0.0959	1.3000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	12.5645	12.5645	3.7100e-003	0.0000	12.6425
Total	0.0172	0.1706	0.0959	1.3000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	12.5645	12.5645	3.7100e-003	0.0000	12.6425

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	7.3000e-004	6.1700e-003	7.3500e-003	1.0000e-005	3.0000e-004	1.2000e-004	4.2000e-004	9.0000e-005	1.1000e-004	1.9000e-004	0.0000	1.0199	1.0199	1.0000e-005	0.0000	1.0201
Worker	5.3000e-004	7.5000e-004	7.3300e-003	1.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9881	0.9881	6.0000e-005	0.0000	0.9894
Total	1.2600e-003	6.9200e-003	0.0147	2.0000e-005	1.3500e-003	1.3000e-004	1.4800e-003	3.7000e-004	1.2000e-004	4.8000e-004	0.0000	2.0080	2.0080	7.0000e-005	0.0000	2.0095

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	0.0172	0.1706	0.0959	1.3000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	12.5645	12.5645	3.7100e-003	0.0000	12.6425
Total	0.0172	0.1706	0.0959	1.3000e-004		0.0119	0.0119		0.0109	0.0109	0.0000	12.5645	12.5645	3.7100e-003	0.0000	12.6425

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	7.3000e-004	6.1700e-003	7.3500e-003	1.0000e-005	3.0000e-004	1.2000e-004	4.2000e-004	9.0000e-005	1.1000e-004	1.9000e-004	0.0000	1.0199	1.0199	1.0000e-005	0.0000	1.0201

Worker	5.3000e-004	7.5000e-004	7.3300e-003	1.0000e-005	1.0500e-003	1.0000e-005	1.0600e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9881	0.9881	6.0000e-005	0.0000	0.9894
Total	1.2600e-003	6.9200e-003	0.0147	2.0000e-005	1.3500e-003	1.3000e-004	1.4800e-003	3.7000e-004	1.2000e-004	4.8000e-004	0.0000	2.0080	2.0080	7.0000e-005	0.0000	2.0095

3.5 Building Construction - 2015

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	0.0851	0.8411	0.4855	6.6000e-004		0.0585	0.0585		0.0538	0.0538	0.0000	63.2440	63.2440	0.0189	0.0000	63.6405
Total	0.0851	0.8411	0.4855	6.6000e-004		0.0585	0.0585		0.0538	0.0538	0.0000	63.2440	63.2440	0.0189	0.0000	63.6405

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	3.0900e-003	0.0269	0.0337	6.0000e-005	1.5100e-003	4.4000e-004	1.9500e-003	4.3000e-004	4.0000e-004	8.4000e-004	0.0000	5.1193	5.1193	5.0000e-005	0.0000	5.1202
Worker	2.4200e-003	3.4200e-003	0.0333	6.0000e-005	5.3300e-003	5.0000e-005	5.3700e-003	1.4200e-003	4.0000e-005	1.4600e-003	0.0000	4.8612	4.8612	2.8000e-004	0.0000	4.8670
Total	5.5100e-003	0.0303	0.0669	1.2000e-004	6.8400e-003	4.9000e-004	7.3200e-003	1.8500e-003	4.4000e-004	2.3000e-003	0.0000	9.9804	9.9804	3.3000e-004	0.0000	9.9872

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	0.0851	0.8411	0.4855	6.6000e-004		0.0585	0.0585		0.0538	0.0538	0.0000	63.2439	63.2439	0.0189	0.0000	63.6404
Total	0.0851	0.8411	0.4855	6.6000e-004		0.0585	0.0585		0.0538	0.0538	0.0000	63.2439	63.2439	0.0189	0.0000	63.6404

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	3.0900e-003	0.0269	0.0337	6.0000e-005	1.5100e-003	4.4000e-004	1.9500e-003	4.3000e-004	4.0000e-004	8.4000e-004	0.0000	5.1193	5.1193	5.0000e-005	0.0000	5.1202
Worker	2.4200e-003	3.4200e-003	0.0333	6.0000e-005	5.3300e-003	5.0000e-005	5.3700e-003	1.4200e-003	4.0000e-005	1.4600e-003	0.0000	4.8612	4.8612	2.8000e-004	0.0000	4.8670
Total	5.5100e-003	0.0303	0.0669	1.2000e-004	6.8400e-003	4.9000e-004	7.3200e-003	1.8500e-003	4.4000e-004	2.3000e-003	0.0000	9.9804	9.9804	3.3000e-004	0.0000	9.9872

3.6 Paving - 2015

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	6.0500e-003	0.0577	0.0368	6.0000e-005		3.6200e-003	3.6200e-003		3.3500e-003	3.3500e-003	0.0000	4.9602	4.9602	1.3500e-003	0.0000	4.9885
Paving	2.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3400e-003	0.0577	0.0368	6.0000e-005		3.6200e-003	3.6200e-003		3.3500e-003	3.3500e-003	0.0000	4.9602	4.9602	1.3500e-003	0.0000	4.9885

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	3.7000e-004	5.3000e-004	5.1200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7479	0.7479	4.0000e-005	0.0000	0.7488
Total	3.7000e-004	5.3000e-004	5.1200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7479	0.7479	4.0000e-005	0.0000	0.7488

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	6.0500e-003	0.0577	0.0368	6.0000e-005		3.6200e-003	3.6200e-003		3.3500e-003	3.3500e-003	0.0000	4.9602	4.9602	1.3500e-003	0.0000	4.9885
Paving	2.9000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.3400e-003	0.0577	0.0368	6.0000e-005		3.6200e-003	3.6200e-003		3.3500e-003	3.3500e-003	0.0000	4.9602	4.9602	1.3500e-003	0.0000	4.9885

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	3.7000e-004	5.3000e-004	5.1200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7479	0.7479	4.0000e-005	0.0000	0.7488
Total	3.7000e-004	5.3000e-004	5.1200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.7479	0.7479	4.0000e-005	0.0000	0.7488

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	0.0965	0.2161	0.9769	1.7300e-003	0.1258	2.8600e-003	0.1286	0.0336	2.6200e-003	0.0362	0.0000	141.0868	141.0868	6.5100e-003	0.0000	141.2235
Unmitigated	0.0965	0.2161	0.9769	1.7300e-003	0.1258	2.8600e-003	0.1286	0.0336	2.6200e-003	0.0362	0.0000	141.0868	141.0868	6.5100e-003	0.0000	141.2235

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	187.17	40.29	16.66	338,935	338,935
Parking Lot	0.00	0.00	0.00		
Total	187.17	40.29	16.66	338,935	338,935

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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.552608	0.057937	0.185322	0.124470	0.029726	0.004465	0.012479	0.021685	0.001768	0.001276	0.005971	0.000530	0.001762

5.0 Energy Detail

4.4 Fleet Mix

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	100.0357	100.0357	4.5200e-003	9.4000e-004	100.4208
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	100.0357	100.0357	4.5200e-003	9.4000e-004	100.4208
NaturalGas Mitigated	1.5800e-003	0.0144	0.0121	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.6217	15.6217	3.0000e-004	2.9000e-004	15.7168
NaturalGas Unmitigated	1.5800e-003	0.0144	0.0121	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.6217	15.6217	3.0000e-004	2.9000e-004	15.7168

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					
General Office Building	292740	1.5800e-003	0.0144	0.0121	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.6217	15.6217	3.0000e-004	2.9000e-004	15.7168
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
Total		1.5800e-003	0.0144	0.0121	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.6217	15.6217	3.0000e-004	2.9000e-004	15.7168

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					
General Office Building	292740	1.5800e-003	0.0144	0.0121	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.6217	15.6217	3.0000e-004	2.9000e-004	15.7168
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
Total		1.5800e-003	0.0144	0.0121	9.0000e-005		1.0900e-003	1.0900e-003		1.0900e-003	1.0900e-003	0.0000	15.6217	15.6217	3.0000e-004	2.9000e-004	15.7168

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
General Office Building	335070	97.4757	4.4100e-003	9.1000e-004	97.8510
Parking Lot	8800	2.5600	1.2000e-004	2.0000e-005	2.5699
Total		100.0357	4.5300e-003	9.3000e-004	100.4208

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Parking Lot	8800	2.5600	1.2000e-004	2.0000e-005	2.5699
General Office Building	335070	97.4757	4.4100e-003	9.1000e-004	97.8510

Total		100.0357	4.5300e-003	9.3000e-004	100.4208
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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	0.1145	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Unmitigated	0.1145	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004

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	9.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Total	0.1145	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004

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
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SubCategory	tons/yr										MT/yr					
	Architectural Coating	9.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1055					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004
Total	0.1145	0.0000	4.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	7.5000e-004	7.5000e-004	0.0000	0.0000	8.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	7.6003	0.0987	2.3800e-003	10.4126
Unmitigated	7.6003	0.0988	2.3900e-003	10.4141

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	3.02147 / 1.85187	7.6003	0.0988	2.3900e-003	10.4141
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		7.6003	0.0988	2.3900e-003	10.4141

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
General Office Building	3.02147 / 1.85187	7.6003	0.0987	2.3800e-003	10.4126
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		7.6003	0.0987	2.3800e-003	10.4126

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	3.2093	0.1897	0.0000	7.1922
Unmitigated	3.2093	0.1897	0.0000	7.1922

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
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Land Use	tons	MT/yr			
General Office Building	15.81	3.2093	0.1897	0.0000	7.1922
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		3.2093	0.1897	0.0000	7.1922

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
General Office Building	15.81	3.2093	0.1897	0.0000	7.1922
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		3.2093	0.1897	0.0000	7.1922

9.0 Operational Offroad

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