Misc. Files

Western Regional Climate Center

SANTA ANA FIRE STN, CALIFORNIA (047888)

Period of Record Monthly Climate Summary

Period of Record : 4/ 1/1906 to 8/31/2009

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	68.0	68.9	70.6	73.0	75.2	78.6	83.6	84.7	83.8	79.4	74.1	68.8	75.7
Average Min. Temperature (F)	43.0	44.8	46.6	49.9	53.9	57.3	60.8	61.6	59.1	54.4	47.4	43.5	51.9
Average Total Precipitation (in.)	2.73	3.08	2.23	1.04	0.25	0.06	0.01	0.06	0.23	0.45	1.29	2.19	13.63
Average Total SnowFall (in.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Average Snow Depth (in.)	0	0	0	0	0	0	0	0	0	0	0	0	0

Percent of possible observations for period of record.
Max. Temp.: 97.9% Min. Temp.: 97.6% Precipitation: 99.6% Snowfall: 99.6% Snow Depth: 99.6%
Check Station Metadata or Metadata graphics for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

SANTA ANA FIRE STN, CALIFORNIA

Period of Record General Climate Summary - Temperature

Station:(047888) SANTA ANA FIRE STN														
From Year=1906 To Year=2009														
	Monthly Averages			Daily Extremes				Monthly Extremes				Max. Temp.		M Te
	Max.	Min.	Mean	High	Date	Low	Date	Highest Mean	Year	Lowest Mean	Year	>= 90 F	<= 32 F	<= 32 F
	F	F	F	F	dd/yyyy or yyyymmdd	F	dd/yyyy or yyyymmdd	F	-	F	-	# Days	# Days	# Days
January	68.0	43.0	55.6	96	31/2003	22	01/1919	64.2	2003	45.0	1949	0.1	0.0	2.4
February	68.9	44.8	56.9	95	20/1995	25	14/1949	63.5	1995	48.8	1949	0.2	0.0	1.3
March	70.6	46.6	58.6	98	25/1988	29	02/1939	65.8	2004	51.8	1952	0.4	0.0	0.4
April	73.0	49.9	61.5	104	05/1989	31	11/1953	67.9	1992	55.1	1967	1.0	0.0	0.1
May	75.2	53.9	64.5	105	03/2004	35	04/1950	71.4	1997	58.9	1917	1.3	0.0	0.0
June	78.6	57.3	68.0	112	14/1917	39	08/1950	74.1	1981	63.7	1952	1.4	0.0	0.0
July	83.6	60.8	72.2	110	01/1985	39	05/1923	80.0	2006	67.0	1918	4.1	0.0	0.0
August	84.7	61.6	73.1	105	10/1935	45	17/1918	77.6	1983	67.4	1918	5.4	0.0	0.0
September	83.8	59.1	71.5	111	21/1939	40	09/1917	80.0	1984	65.7	1933	6.1	0.0	0.0
October	79.4	54.4	66.9	106	16/1958	34	12/1924	72.4	2008	58.9	1920	3.5	0.0	0.0
November	74.1	47.4	60.7	101	01/1966	24	28/1919	67.8	2008	55.0	1919	0.9	0.0	0.6
December	68.8	43.5	56.2	95	03/1958	22	31/1918	61.0	1977	50.5	1918	0.1	0.0	1.7
Annual	75.7	51.9	63.8	112	19170614	22	19181231	67.2	1997	60.7	1949	24.5	0.0	6.4
Winter	68.5	43.8	56.2	96	20030131	22	19181231	60.7	1986	50.9	1917	0.4	0.0	5.4
Spring	72.9	50.1	61.5	105	20040503	29	19390302	67.1	2004	57.2	1922	2.7	0.0	0.4
Summer	82.3	59.9	71.1	112	19170614	39	19230705	76.2	2006	67.1	1918	10.9	0.0	0.0
Fall	79.1	53.6	66.4	111	19390921	24	19191128	71.5	2008	60.2	1920	10.5	0.0	0.6

Table updated on Dec 28, 2009
For monthly and annual means, thresholds, and sums:
Months with 5 or more missing days are not considered
Years with 1 or more missing months are not considered
Seasons are climatological not calendar seasons
Winter = Dec., Jan., and Feb. Spring = Mar., Apr., and May
Summer = Jun., Jul., and Aug. Fall = Sep., Oct., and Nov.

CalEEMOD Output and Related Files

Existing Moran Street

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Medical Office Building	2.88	1000sqft
General Light Industry	58.45	1000sqft
High Turnover (Sit Down Restaurant)	3.1	1000sqft
Condo/Townhouse High Rise	144	Dwelling Unit
Regional Shopping Center	135.68	1000sqft
Strip Mall	71.91	1000sqft
Supermarket	1.2	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Saigon Villas traffic generation not included in Existing. Population based on 3.4 person/unit (DOF 2009).

Construction Phase -

Off-road Equipment - No construction phase

Off-road Equipment - No construction phase.

Off-road Equipment - No construction

Off-road Equipment - No construction phase

Off-road Equipment - No construction phase.

Off-road Equipment - No construction phase.

Trips and VMT - No construction phase

Demolition -

Grading - No construction phase

Architectural Coating - No construction phase

Vehicle Trips - KOA Traffic Report

Woodstoves - Saigon Villas constructed post-SCAQMD Rule 445.

Energy Use -

2.0 Emissions Summary

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	lb/day										lb/day					
Area	10.94	0.14	12.00	0.00		0.00	0.26		0.00	0.26	0.00	3,071.06		0.08	0.06	3,090.05
Energy	0.18	1.62	0.97	0.01		0.00	0.13		0.00	0.13		2,014.32		0.04	0.04	2,026.58
Mobile	27.97	43.72	217.68	0.87	96.65	3.90	100.55	1.34	3.38	4.72		65,658.35		1.87		65,697.66
Total	**39.09**	**45.48**	**230.65**	**0.88**	**96.65**	**3.90**	**100.94**	**1.34**	**3.38**	**5.11**	**0.00**	**70,743.73**		**1.99**	**0.10**	**70,814.29**

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	lb/day										lb/day					
Area	10.94	0.14	12.00	0.00		0.00	0.26		0.00	0.26	0.00	3,071.06		0.08	0.06	3,090.05
Energy	0.18	1.62	0.97	0.01		0.00	0.13		0.00	0.13		2,014.32		0.04	0.04	2,026.58
Mobile	27.97	43.72	217.68	0.87	96.65	3.90	100.55	1.34	3.38	4.72		65,658.35		1.87		65,697.66
Total	**39.09**	**45.48**	**230.65**	**0.88**	**96.65**	**3.90**	**100.94**	**1.34**	**3.38**	**5.11**	**0.00**	**70,743.73**		**1.99**	**0.10**	**70,814.29**

Existing Moran Street
Orange County, Summer

4.0 Mobile Detail

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	lb/day										lb/day					
Mitigated	27.97	43.72	217.68	0.87	96.65	3.90	100.55	1.34	3.38	4.72		65,658.35		1.87		65,697.66
Unmitigated	27.97	43.72	217.68	0.87	96.65	3.90	100.55	1.34	3.38	4.72		65,658.35		1.87		65,697.66
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	0.00	0.00	0.00		
General Light Industry	0.00	927.02	927.02	893,646	893,646
High Turnover (Sit Down Restaurant)	394.17	490.95	490.95	767,876	767,876
Medical Office Building	104.05	25.80	25.80	218,624	218,624
Regional Shopping Center	5,826.10	6,779.93	6779.93	15,990,549	15,990,549
Strip Mall	3,009.43	2,854.83	2854.83	6,812,596	6,812,596
Supermarket	122.69	50.45	50.45	184,672	184,672
Total	9,456.44	11,128.97	11,128.97	24,867,963	24,867,963

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Condo/Townhouse High Rise	12.70	7.00	9.50	40.20	19.20	40.60
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
High Turnover (Sit Down Restaurant)	8.90	13.30	7.40	8.50	72.50	19.00
Medical Office Building	8.90	13.30	7.40	29.60	51.40	19.00
Regional Shopping Center	8.90	13.30	7.40	16.30	64.70	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00
Supermarket	8.90	13.30	7.40	6.50	74.50	19.00

5.0 Energy Detail

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	lb/day										lb/day					
NaturalGas Mitigated	0.18	1.62	0.97	0.01		0.00	0.13		0.00	0.13		2,014.32		0.04	0.04	2,026.58
NaturalGas Unmitigated	0.18	1.62	0.97	0.01		0.00	0.13		0.00	0.13		2,014.32		0.04	0.04	2,026.58
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Existing Moran Street
Orange County, Summer

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	lb/day										lb/day					
Condo/Townhouse High Rise	10108.1	0.11	0.93	0.40	0.01		0.00	0.08		0.00	0.08		1,189.19		0.02	0.02	1,196.43
General Light Industry	3465.36	0.04	0.34	0.29	0.00		0.00	0.03		0.00	0.03		407.69		0.01	0.01	410.17
High Turnover (Sit Down Restaurant)	2237.35	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02		263.22		0.01	0.00	264.82
Medical Office Building	75.669	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		8.90		0.00	0.00	8.96
Regional Shopping Center	762.038	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01		89.65		0.00	0.00	90.20
Strip Mall	403.878	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00		47.52		0.00	0.00	47.80
Supermarket	69.2712	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		8.15		0.00	0.00	8.20
Total		**0.18**	**1.62**	**0.98**	**0.01**		**0.00**	**0.14**		**0.00**	**0.14**		**2,014.32**		**0.04**	**0.03**	**2,026.58**

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	lb/day										lb/day					
Condo/Townhouse High Rise	10.1081	0.11	0.93	0.40	0.01		0.00	0.08		0.00	0.08		1,189.19		0.02	0.02	1,196.43
General Light Industry	3.46536	0.04	0.34	0.29	0.00		0.00	0.03		0.00	0.03		407.69		0.01	0.01	410.17
High Turnover (Sit Down Restaurant)	2.23735	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02		263.22		0.01	0.00	264.82
Medical Office Building	0.075669	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		8.90		0.00	0.00	8.96
Regional Shopping Center	0.762038	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01		89.65		0.00	0.00	90.20
Strip Mall	0.403878	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00		47.52		0.00	0.00	47.80
Supermarket	0.0692712	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		8.15		0.00	0.00	8.20
Total		**0.18**	**1.62**	**0.98**	**0.01**		**0.00**	**0.14**		**0.00**	**0.14**		**2,014.32**		**0.04**	**0.03**	**2,026.58**

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	lb/day										lb/day					
Mitigated	10.94	0.14	12.00	0.00		0.00	0.26		0.00	0.26	0.00	3,071.06		0.08	0.06	3,090.05
Unmitigated	10.94	0.14	12.00	0.00		0.00	0.26		0.00	0.26	0.00	3,071.06		0.08	0.06	3,090.05
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					
Architectural Coating	2.04					0.00	0.00		0.00	0.00						0.00
Consumer Products	8.26					0.00	0.00		0.00	0.00						0.00
Hearth	0.28	0.00	0.02	0.00		0.00	0.19		0.00	0.19	0.00	3,049.41		0.06	0.06	3,067.97
Landscaping	0.36	0.14	11.99	0.00		0.00	0.07		0.00	0.07		21.65		0.02		22.08
Total	**10.94**	**0.14**	**12.01**	**0.00**		**0.00**	**0.26**		**0.00**	**0.26**	**0.00**	**3,071.06**		**0.08**	**0.06**	**3,090.05**

Existing Moran Street
Orange County, Summer

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	lb/day										lb/day					
Architectural Coating	2.04					0.00	0.00		0.00	0.00						0.00
Consumer Products	8.26					0.00	0.00		0.00	0.00						0.00
Hearth	0.28	0.00	0.02	0.00		0.00	0.19		0.00	0.19	0.00	3,049.41		0.06	0.06	3,067.97
Landscaping	0.36	0.14	11.99	0.00		0.00	0.07		0.00	0.07		21.65		0.02		22.08
Total	**10.94**	**0.14**	**12.01**	**0.00**		**0.00**	**0.26**		**0.00**	**0.26**	**0.00**	**3,071.06**		**0.08**	**0.06**	**3,090.05**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Existing Moran Street
Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Medical Office Building	2.88	1000sqft
General Light Industry	58.45	1000sqft
High Turnover (Sit Down Restaurant)	3.1	1000sqft
Condo/Townhouse High Rise	144	Dwelling Unit
Regional Shopping Center	135.68	1000sqft
Strip Mall	71.91	1000sqft
Supermarket	1.2	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Saigon Villas traffic generation not included in Existing. Population based on 3.4 person/unit (DOF 2009).

Construction Phase -

Off-road Equipment - No construction phase

Off-road Equipment - No construction phase.

Off-road Equipment - No construction

Off-road Equipment - No construction phase

Off-road Equipment - No construction phase.

Off-road Equipment - No construction phase.

Trips and VMT - No construction phase

Demolition -

Grading - No construction phase

Architectural Coating - No construction phase

Vehicle Trips - KOA Traffic Report

Woodstoves - Saigon Villas constructed post-SCAQMD Rule 445.

Energy Use -

2.0 Emissions Summary

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	lb/day										lb/day					
Area	10.94	0.14	12.00	0.00		0.00	0.26		0.00	0.26	0.00	3,071.06		0.08	0.06	3,090.05
Energy	0.18	1.62	0.97	0.01		0.00	0.13		0.00	0.13		2,014.32		0.04	0.04	2,026.58
Mobile	29.36	46.63	214.81	0.81	96.65	3.91	100.56	1.34	3.38	4.73		62,090.92		1.85		62,129.76
Total	**40.48**	**48.39**	**227.78**	**0.82**	**96.65**	**3.91**	**100.95**	**1.34**	**3.38**	**5.12**	**0.00**	**67,176.30**		**1.97**	**0.10**	**67,246.39**

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	lb/day										lb/day					
Area	10.94	0.14	12.00	0.00		0.00	0.26		0.00	0.26	0.00	3,071.06		0.08	0.06	3,090.05
Energy	0.18	1.62	0.97	0.01		0.00	0.13		0.00	0.13		2,014.32		0.04	0.04	2,026.58
Mobile	29.36	46.63	214.81	0.81	96.65	3.91	100.56	1.34	3.38	4.73		62,090.92		1.85		62,129.76
Total	**40.48**	**48.39**	**227.78**	**0.82**	**96.65**	**3.91**	**100.95**	**1.34**	**3.38**	**5.12**	**0.00**	**67,176.30**		**1.97**	**0.10**	**67,246.39**

Existing Moran Street
Orange County, Winter

4.0 Mobile Detail

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	lb/day										lb/day					
Mitigated	29.36	46.63	214.81	0.81	96.65	3.91	100.56	1.34	3.38	4.73		62,090.92		1.85		62,129.76
Unmitigated	29.36	46.63	214.81	0.81	96.65	3.91	100.56	1.34	3.38	4.73		62,090.92		1.85		62,129.76
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	0.00	0.00	0.00		
General Light Industry	0.00	927.02	927.02	893,646	893,646
High Turnover (Sit Down Restaurant)	394.17	490.95	490.95	767,876	767,876
Medical Office Building	104.05	25.80	25.80	218,624	218,624
Regional Shopping Center	5,826.10	6,779.93	6779.93	15,990,549	15,990,549
Strip Mall	3,009.43	2,854.83	2854.83	6,812,596	6,812,596
Supermarket	122.69	50.45	50.45	184,672	184,672
Total	9,456.44	11,128.97	11,128.97	24,867,963	24,867,963

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Condo/Townhouse High Rise	12.70	7.00	9.50	40.20	19.20	40.60
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
High Turnover (Sit Down Restaurant)	8.90	13.30	7.40	8.50	72.50	19.00
Medical Office Building	8.90	13.30	7.40	29.60	51.40	19.00
Regional Shopping Center	8.90	13.30	7.40	16.30	64.70	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00
Supermarket	8.90	13.30	7.40	6.50	74.50	19.00

5.0 Energy Detail

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	lb/day										lb/day					
NaturalGas Mitigated	0.18	1.62	0.97	0.01		0.00	0.13		0.00	0.13		2,014.32		0.04	0.04	2,026.58
NaturalGas Unmitigated	0.18	1.62	0.97	0.01		0.00	0.13		0.00	0.13		2,014.32		0.04	0.04	2,026.58
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Existing Moran Street

Orange County, Winter

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	lb/day										lb/day					
Condo/Townhouse High Rise	10108.1	0.11	0.93	0.40	0.01		0.00	0.08		0.00	0.08		1,189.19		0.02	0.02	1,196.43
General Light Industry	3465.36	0.04	0.34	0.29	0.00		0.00	0.03		0.00	0.03		407.69		0.01	0.01	410.17
High Turnover (Sit Down Restaurant)	2237.35	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02		263.22		0.01	0.00	264.82
Medical Office Building	75.669	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		8.90		0.00	0.00	8.96
Regional Shopping Center	762.038	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01		89.65		0.00	0.00	90.20
Strip Mall	403.878	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00		47.52		0.00	0.00	47.80
Supermarket	69.2712	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		8.15		0.00	0.00	8.20
Total		**0.18**	**1.62**	**0.98**	**0.01**		**0.00**	**0.14**		**0.00**	**0.14**		**2,014.32**		**0.04**	**0.03**	**2,026.58**

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	lb/day										lb/day					
Condo/Townhouse High Rise	10.1081	0.11	0.93	0.40	0.01		0.00	0.08		0.00	0.08		1,189.19		0.02	0.02	1,196.43
General Light Industry	3.46536	0.04	0.34	0.29	0.00		0.00	0.03		0.00	0.03		407.69		0.01	0.01	410.17
High Turnover (Sit Down Restaurant)	2.23735	0.02	0.22	0.18	0.00		0.00	0.02		0.00	0.02		263.22		0.01	0.00	264.82
Medical Office Building	0.075669	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		8.90		0.00	0.00	8.96
Regional Shopping Center	0.762038	0.01	0.07	0.06	0.00		0.00	0.01		0.00	0.01		89.65		0.00	0.00	90.20
Strip Mall	0.403878	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00		47.52		0.00	0.00	47.80
Supermarket	0.0692712	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00		8.15		0.00	0.00	8.20
Total		**0.18**	**1.62**	**0.98**	**0.01**		**0.00**	**0.14**		**0.00**	**0.14**		**2,014.32**		**0.04**	**0.03**	**2,026.58**

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	lb/day										lb/day					
Mitigated	10.94	0.14	12.00	0.00		0.00	0.26		0.00	0.26	0.00	3,071.06		0.08	0.06	3,090.05
Unmitigated	10.94	0.14	12.00	0.00		0.00	0.26		0.00	0.26	0.00	3,071.06		0.08	0.06	3,090.05
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					
Architectural Coating	2.04					0.00	0.00		0.00	0.00						0.00
Consumer Products	8.26					0.00	0.00		0.00	0.00						0.00
Hearth	0.28	0.00	0.02	0.00		0.00	0.19		0.00	0.19	0.00	3,049.41		0.06	0.06	3,067.97
Landscaping	0.36	0.14	11.99	0.00		0.00	0.07		0.00	0.07		21.65		0.02		22.08
Total	**10.94**	**0.14**	**12.01**	**0.00**		**0.00**	**0.26**		**0.00**	**0.26**	**0.00**	**3,071.06**		**0.08**	**0.06**	**3,090.05**

Existing Moran Street
Orange County, Winter

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	lb/day										lb/day					
Architectural Coating	2.04					0.00	0.00		0.00	0.00						0.00
Consumer Products	8.26					0.00	0.00		0.00	0.00						0.00
Hearth	0.28	0.00	0.02	0.00		0.00	0.19		0.00	0.19	0.00	3,049.41		0.06	0.06	3,067.97
Landscaping	0.36	0.14	11.99	0.00		0.00	0.07		0.00	0.07		21.65		0.02		22.08
Total	**10.94**	**0.14**	**12.01**	**0.00**		**0.00**	**0.26**		**0.00**	**0.26**	**0.00**	**3,071.06**		**0.08**	**0.06**	**3,090.05**

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Existing Moran Street

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
Medical Office Building	2.88	1000sqft
General Light Industry	58.45	1000sqft
High Turnover (Sit Down Restaurant)	3.1	1000sqft
Condo/Townhouse High Rise	144	Dwelling Unit
Regional Shopping Center	135.68	1000sqft
Strip Mall	71.91	1000sqft
Supermarket	1.2	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Saigon Villas traffic generation not included in Existing. Population based on 3.4 person/unit (DOF 2009).

Construction Phase -

Off-road Equipment - No construction phase

Off-road Equipment - No construction phase.

Off-road Equipment - No construction

Off-road Equipment - No construction phase

Off-road Equipment - No construction phase.

Off-road Equipment - No construction phase.

Trips and VMT - No construction phase

Demolition -

Grading - No construction phase

Architectural Coating - No construction phase

Vehicle Trips - KOA Traffic Report

Woodstoves - Saigon Villas constructed post-SCAQMD Rule 445.

Energy Use -

2.0 Emissions Summary

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	1.97	0.03	2.31	0.00		0.00	0.02		0.00	0.02	0.00	107.32	107.32	0.01	0.00	108.04
Energy	0.03	0.30	0.18	0.00		0.00	0.02		0.00	0.02	0.00	1,503.56	1,503.56	0.06	0.03	1,512.92
Mobile	9.33	17.98	95.91	0.13	13.54	0.66	14.20	0.50	0.66	1.16	0.00	12,230.09	12,230.09	0.65	0.00	12,243.77
Waste						0.00	0.00		0.00	0.00	763.15	0.00	763.15	45.10	0.00	1,710.26
Water						0.00	0.00		0.00	0.00	0.00	1,241.27	1,241.27	9.63	0.26	1,523.65
Total	**11.33**	**18.31**	**98.40**	**0.13**	**13.54**	**0.66**	**14.24**	**0.50**	**0.66**	**1.20**	**763.15**	**15,082.24**	**15,845.39**	**55.45**	**0.29**	**17,098.64**

Existing Moran Street

Orange County, Annual

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	1.97	0.03	2.31	0.00		0.00	0.02		0.00	0.02	0.00	107.32	107.32	0.01	0.00	108.04
Energy	0.03	0.30	0.18	0.00		0.00	0.02		0.00	0.02	0.00	1,503.56	1,503.56	0.06	0.03	1,512.92
Mobile	9.33	17.98	95.91	0.13	13.54	0.66	14.20	0.50	0.66	1.16	0.00	12,230.09	12,230.09	0.65	0.00	12,243.77
Waste						0.00	0.00		0.00	0.00	763.15	0.00	763.15	45.10	0.00	1,710.26
Water						0.00	0.00		0.00	0.00	0.00	1,241.27	1,241.27	9.63	0.26	1,523.65
Total	**11.33**	**18.31**	**98.40**	**0.13**	**13.54**	**0.66**	**14.24**	**0.50**	**0.66**	**1.20**	**763.15**	**15,082.24**	**15,845.39**	**55.45**	**0.29**	**17,098.64**

4.0 Mobile Detail

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	9.33	17.98	95.91	0.13	13.54	0.66	14.20	0.50	0.66	1.16	0.00	12,230.09	12,230.09	0.65	0.00	12,243.77
Unmitigated	9.33	17.98	95.91	0.13	13.54	0.66	14.20	0.50	0.66	1.16	0.00	12,230.09	12,230.09	0.65	0.00	12,243.77
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse High Rise	0.00	0.00	0.00		
General Light Industry	0.00	927.02	927.02	893,646	893,646
High Turnover (Sit Down Restaurant)	394.17	490.95	490.95	767,876	767,876
Medical Office Building	104.05	25.80	25.80	218,624	218,624
Regional Shopping Center	5,826.10	6,779.93	6779.93	15,990,549	15,990,549
Strip Mall	3,009.43	2,854.83	2854.83	6,812,596	6,812,596
Supermarket	122.69	50.45	50.45	184,672	184,672
Total	9,456.44	11,128.97	11,128.97	24,867,963	24,867,963

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Condo/Townhouse High Rise	12.70	7.00	9.50	40.20	19.20	40.60
General Light Industry	8.90	13.30	7.40	59.00	28.00	13.00
High Turnover (Sit Down Restaurant)	8.90	13.30	7.40	8.50	72.50	19.00
Medical Office Building	8.90	13.30	7.40	29.60	51.40	19.00
Regional Shopping Center	8.90	13.30	7.40	16.30	64.70	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00
Supermarket	8.90	13.30	7.40	6.50	74.50	19.00

Existing Moran Street
Orange County, Annual

5.0 Energy Detail

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						0.00	0.00		0.00	0.00	0.00	1,170.06	1,170.06	0.05	0.02	1,177.40
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	1,170.06	1,170.06	0.05	0.02	1,177.40
NaturalGas Mitigated	0.03	0.30	0.18	0.00		0.00	0.02		0.00	0.02	0.00	333.49	333.49	0.01	0.01	335.52
NaturalGas Unmitigated	0.03	0.30	0.18	0.00		0.00	0.02		0.00	0.02	0.00	333.49	333.49	0.01	0.01	335.52
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	tons/yr										MT/yr					
Condo/Townhouse High Rise	3.68946e+006	0.02	0.17	0.07	0.00		0.00	0.01		0.00	0.01	0.00	196.88	196.88	0.00	0.00	198.08
General Light Industry	1.26486e+006	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	67.50	67.50	0.00	0.00	67.91
High Turnover (Sit Down Restaurant)	816633	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	43.58	43.58	0.00	0.00	43.84
Medical Office Building	27619.2	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	1.47	1.47	0.00	0.00	1.48
Regional Shopping Center	278144	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	14.84	14.84	0.00	0.00	14.93
Strip Mall	147416	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	7.87	7.87	0.00	0.00	7.91
Supermarket	25284	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.36
Total		**0.03**	**0.29**	**0.17**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**333.49**	**333.49**	**0.00**	**0.00**	**335.51**

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	tons/yr										MT/yr					
Condo/Townhouse High Rise	3.68946e+006	0.02	0.17	0.07	0.00		0.00	0.01		0.00	0.01	0.00	196.88	196.88	0.00	0.00	198.08
General Light Industry	1.26486e+006	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00	0.00	67.50	67.50	0.00	0.00	67.91
High Turnover (Sit Down Restaurant)	816633	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00	0.00	43.58	43.58	0.00	0.00	43.84
Medical Office Building	27619.2	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	1.47	1.47	0.00	0.00	1.48
Regional Shopping Center	278144	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	14.84	14.84	0.00	0.00	14.93
Strip Mall	147416	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	7.87	7.87	0.00	0.00	7.91
Supermarket	25284	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00	0.00	1.35	1.35	0.00	0.00	1.36
Total		**0.03**	**0.29**	**0.17**	**0.00**		**0.00**	**0.01**		**0.00**	**0.01**	**0.00**	**333.49**	**333.49**	**0.00**	**0.00**	**335.51**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Condo/Townhouse High Rise	609654					177.33	0.01	0.00	178.44
General Light Industry	540078					157.09	0.01	0.00	158.08
High Turnover (Sit Down Restaurant)	121923					35.46	0.00	0.00	35.69
Medical Office Building	44985.6					13.08	0.00	0.00	13.17
Regional Shopping Center	1.7367e+006					505.16	0.02	0.01	508.32
Strip Mall	920448					267.73	0.01	0.00	269.41
Supermarket	48828					14.20	0.00	0.00	14.29
Total						**1,170.05**	**0.05**	**0.01**	**1,177.40**

Existing Moran Street
Orange County, Annual

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Condo/Townhouse High Rise	609654					177.33	0.01	0.00	178.44
General Light Industry	540078					157.09	0.01	0.00	158.08
High Turnover (Sit Down Restaurant)	121923					35.46	0.00	0.00	35.69
Medical Office Building	44985.6					13.08	0.00	0.00	13.17
Regional Shopping Center	1.7367e+006					505.16	0.02	0.01	508.32
Strip Mall	920448					267.73	0.01	0.00	269.41
Supermarket	48828					14.20	0.00	0.00	14.29
Total						**1,170.05**	**0.05**	**0.01**	**1,177.40**

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	1.97	0.03	2.31	0.00		0.00	0.02		0.00	0.02	0.00	107.32	107.32	0.01	0.00	108.04
Unmitigated	1.97	0.03	2.31	0.00		0.00	0.02		0.00	0.02	0.00	107.32	107.32	0.01	0.00	108.04
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	0.37					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.51					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.01	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	103.74	103.74	0.00	0.00	104.37
Landscaping	0.08	0.03	2.31	0.00		0.00	0.01		0.00	0.01	0.00	3.58	3.58	0.00	0.00	3.67
Total	**1.97**	**0.03**	**2.31**	**0.00**		**0.00**	**0.02**		**0.00**	**0.02**	**0.00**	**107.32**	**107.32**	**0.00**	**0.00**	**108.04**

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	0.37					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	1.51					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.01	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	103.74	103.74	0.00	0.00	104.37
Landscaping	0.08	0.03	2.31	0.00		0.00	0.01		0.00	0.01	0.00	3.58	3.58	0.00	0.00	3.67
Total	**1.97**	**0.03**	**2.31**	**0.00**		**0.00**	**0.02**		**0.00**	**0.02**	**0.00**	**107.32**	**107.32**	**0.00**	**0.00**	**108.04**

Existing Moran Street
Orange County, Annual

7.0 Water Detail

7.1 Mitigation Measures Water

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					1,241.27	9.63	0.26	1,523.65
Unmitigated					1,241.27	9.63	0.26	1,523.65
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Condo/Townhouse High Rise	9.38218 / 5.91485					54.75	0.29	0.01	63.31
General Light Industry	287.395 / 0					1,091.71	8.82	0.24	1,350.20
High Turnover (Sit Down Restaurant)	0.940955 / 0.0600609					3.77	0.03	0.00	4.62
Medical Office Building	0.361384 / 0.068835					1.60	0.01	0.00	1.92
Regional Shopping Center	10.0502 / 6.15978					58.08	0.31	0.01	67.25
Strip Mall	5.32656 / 3.26466					30.78	0.16	0.00	35.64
Supermarket	0.147922 / 0.0045749					0.58	0.00	0.00	0.71
Total						**1,241.27**	**9.62**	**0.26**	**1,523.65**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Condo/Townhouse High Rise	9.38218 / 5.91485					54.75	0.29	0.01	63.31
General Light Industry	287.395 / 0					1,091.71	8.82	0.24	1,350.20
High Turnover (Sit Down Restaurant)	0.940955 / 0.0600609					3.77	0.03	0.00	4.62
Medical Office Building	0.361384 / 0.068835					1.60	0.01	0.00	1.92
Regional Shopping Center	10.0502 / 6.15978					58.08	0.31	0.01	67.25
Strip Mall	5.32656 / 3.26466					30.78	0.16	0.00	35.64
Supermarket	0.147922 / 0.0045749					0.58	0.00	0.00	0.71
Total						**1,241.27**	**9.62**	**0.26**	**1,523.65**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					763.15	45.10	0.00	1,710.26
Unmitigated					763.15	45.10	0.00	1,710.26
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Existing Moran Street
Orange County, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Condo/Townhouse High Rise	66.24					13.45	0.79	0.00	30.13
General Light Industry	3400.54					690.28	40.79	0.00	1,546.96
High Turnover (Sit Down Restaurant)	36.89					7.49	0.44	0.00	16.78
Medical Office Building	31.1					6.31	0.37	0.00	14.15
Regional Shopping Center	142.46					28.92	1.71	0.00	64.81
Strip Mall	75.51					15.33	0.91	0.00	34.35
Supermarket	6.77					1.37	0.08	0.00	3.08
Total						**763.15**	**45.09**	**0.00**	**1,710.26**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Condo/Townhouse High Rise	66.24					13.45	0.79	0.00	30.13
General Light Industry	3400.54					690.28	40.79	0.00	1,546.96
High Turnover (Sit Down Restaurant)	36.89					7.49	0.44	0.00	16.78
Medical Office Building	31.1					6.31	0.37	0.00	14.15
Regional Shopping Center	142.46					28.92	1.71	0.00	64.81
Strip Mall	75.51					15.33	0.91	0.00	34.35
Supermarket	6.77					1.37	0.08	0.00	3.08
Total						**763.15**	**45.09**	**0.00**	**1,710.26**

9.0 Vegetation

Moran Street Specific Plan

Orange County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Office Building	38.4	1000sqft
Place of Worship	1000	Seat
Parking Structure	215.76	1000sqft
High Turnover (Sit Down Restaurant)	33.18	1000sqft
Hotel	120	Room
Quality Restaurant	41.79	1000sqft
Condo/Townhouse	115	Dwelling Unit
Condo/Townhouse High Rise	144	Dwelling Unit
Regional Shopping Center	108.54	1000sqft
Strip Mall	71.76	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Population based on DOF (2009) of 3.4 persons per household in Westminster.

Construction Phase - Worst-Case construction schedule. Assumes all phases could overlap. Based on an interpolation of the CalEEMod defaults for a 15-year project timeline (since phasing is assumed to overlap, total time appears shorter)

Demolition - Based on demolition of existing auto-related structures and other miscellaneous structures.

Grading - Based on one-level of subterranean parking for an approximately 310 feet x 174 feet wide structure with a 13-foot height.

Vehicle Trips - KOA Traffic Report

Woodstoves - No woodburning devices in accordance with SCAQMD Rule 445.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403, based on efficiencies report by SCAQMD.

Water Mitigation - Indoor and outdoor water use efficiencies required under the 2010 California Green Building Code.

Off-road Equipment -

Trips and VMT -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2012	125.26	381.73	259.52	0.45	121.19	20.70	141.89	13.74	20.70	34.45	0.00	46,488.29	0.00	4.56	0.00	46,584.03
2013	21.36	154.38	118.58	0.23	16.60	7.73	24.32	3.65	7.73	11.38	0.00	23,661.90	0.00	1.91	0.00	23,701.96
2014	8.65	52.12	60.92	0.13	7.61	2.81	10.43	0.33	2.81	3.14	0.00	12,475.39	0.00	0.77	0.00	12,491.55
2015	7.97	47.35	57.70	0.13	7.61	2.52	10.14	0.33	2.52	2.85	0.00	12,376.06	0.00	0.71	0.00	12,390.97
2016	7.38	43.23	54.88	0.13	7.62	2.26	9.87	0.33	2.26	2.59	0.00	12,246.87	0.00	0.65	0.00	12,260.58
2017	6.84	39.53	52.41	0.13	7.62	2.02	9.64	0.33	2.02	2.35	0.00	12,153.93	0.00	0.60	0.00	12,166.58
2018	6.33	36.14	50.14	0.13	7.62	1.80	9.41	0.12	1.75	1.87	0.00	12,065.83	0.00	0.56	0.00	12,077.51
2019	5.88	33.17	48.12	0.13	7.62	1.60	9.21	0.12	1.55	1.67	0.00	11,984.29	0.00	0.52	0.00	11,995.13
2020	5.49	30.53	46.33	0.13	7.62	1.42	9.03	0.12	1.38	1.49	0.00	11,908.61	0.00	0.48	0.00	11,918.64
2021	5.14	28.06	44.82	0.13	7.62	1.26	8.87	0.12	1.22	1.33	0.00	11,850.86	0.00	0.44	0.00	11,860.19
2022	4.85	25.98	43.46	0.13	7.62	1.12	8.74	0.12	1.08	1.20	0.00	11,788.15	0.00	0.42	0.00	11,796.89
2023	4.60	24.15	42.25	0.13	7.62	1.00	8.62	0.12	0.97	1.08	0.00	11,730.47	0.00	0.39	0.00	11,738.75
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
2012	125.26	381.73	259.52	0.45	105.64	20.70	126.34	6.16	20.70	26.86	0.00	46,488.29	0.00	4.56	0.00	46,584.03
2013	21.36	154.38	118.58	0.23	11.63	7.73	19.36	1.76	7.73	9.49	0.00	23,661.90	0.00	1.91	0.00	23,701.96
2014	8.65	52.12	60.92	0.13	7.61	2.81	10.43	0.33	2.81	3.14	0.00	12,475.39	0.00	0.77	0.00	12,491.55
2015	7.97	47.35	57.70	0.13	7.61	2.52	10.14	0.33	2.52	2.85	0.00	12,376.06	0.00	0.71	0.00	12,390.97
2016	7.38	43.23	54.88	0.13	7.62	2.26	9.87	0.33	2.26	2.59	0.00	12,246.87	0.00	0.65	0.00	12,260.58
2017	6.84	39.53	52.41	0.13	7.62	2.02	9.64	0.33	2.02	2.35	0.00	12,153.93	0.00	0.60	0.00	12,166.58
2018	6.33	36.14	50.14	0.13	7.62	1.80	9.41	0.12	1.75	1.87	0.00	12,065.83	0.00	0.56	0.00	12,077.51
2019	5.88	33.17	48.12	0.13	7.62	1.60	9.21	0.12	1.55	1.67	0.00	11,984.29	0.00	0.52	0.00	11,995.13
2020	5.49	30.53	46.33	0.13	7.62	1.42	9.03	0.12	1.38	1.49	0.00	11,908.61	0.00	0.48	0.00	11,918.64
2021	5.14	28.06	44.82	0.13	7.62	1.26	8.87	0.12	1.22	1.33	0.00	11,850.86	0.00	0.44	0.00	11,860.19
2022	4.85	25.98	43.46	0.13	7.62	1.12	8.74	0.12	1.08	1.20	0.00	11,788.15	0.00	0.42	0.00	11,796.89
2023	4.60	24.15	42.25	0.13	7.62	1.00	8.62	0.12	0.97	1.08	0.00	11,730.47	0.00	0.39	0.00	11,738.75
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					
Area	22.64	0.25	21.59	0.00		0.00	0.47		0.00	0.46	0.00	5,523.65		0.14	0.10	5,557.81
Energy	1.02	9.15	6.99	0.06		0.00	0.70		0.00	0.70		11,103.50		0.21	0.20	11,171.08
Mobile	41.38	64.78	317.43	1.25	138.93	5.64	144.57	1.93	4.88	6.81		94,620.59		2.71		94,677.54
Total	**65.04**	**74.18**	**346.01**	**1.31**	**138.93**	**5.64**	**145.74**	**1.93**	**4.88**	**7.97**	**0.00**	**111,247.74**		**3.06**	**0.30**	**111,406.43**

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	lb/day										lb/day					
Area	22.64	0.25	21.59	0.00		0.00	0.47		0.00	0.46	0.00	5,523.65		0.14	0.10	5,557.81
Energy	1.02	9.15	6.99	0.06		0.00	0.70		0.00	0.70		11,103.50		0.21	0.20	11,171.08
Mobile	41.38	64.78	317.43	1.25	138.93	5.64	144.57	1.93	4.88	6.81		94,620.59		2.71		94,677.54
Total	**65.04**	**74.18**	**346.01**	**1.31**	**138.93**	**5.64**	**145.74**	**1.93**	**4.88**	**7.97**	**0.00**	**111,247.74**		**3.06**	**0.30**	**111,406.43**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2012

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	lb/day										lb/day					
Fugitive Dust					0.40	0.00	0.40	0.00	0.00	0.00						0.00
Off-Road	9.34	75.14	44.19	0.07		3.80	3.80		3.80	3.80		7,510.81		0.83		7,528.31
Total	**9.34**	**75.14**	**44.19**	**0.07**	**0.40**	**3.80**	**4.20**	**0.00**	**3.80**	**3.80**		**7,510.81**		**0.83**		**7,528.31**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	0.10	1.04	0.63	0.00	8.47	0.04	8.52	0.01	0.04	0.05		149.39		0.01		149.49
Vendor	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
Worker	0.09	0.10	1.09	0.00	0.23	0.01	0.24	0.01	0.01	0.02		186.56		0.01		186.79
Total	**0.19**	**1.14**	**1.72**	**0.00**	**8.70**	**0.05**	**8.76**	**0.02**	**0.05**	**0.07**		**335.95**		**0.02**		**336.28**

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	lb/day										lb/day					
Fugitive Dust					0.17	0.00	0.17	0.00	0.00	0.00						0.00
Off-Road	9.34	75.14	44.19	0.07		3.80	3.80		3.80	3.80	0.00	7,510.81		0.83		7,528.31
Total	**9.34**	**75.14**	**44.19**	**0.07**	**0.17**	**3.80**	**3.97**	**0.00**	**3.80**	**3.80**	**0.00**	**7,510.81**		**0.83**		**7,528.31**

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	lb/day										lb/day					
Hauling	0.10	1.04	0.63	0.00	8.47	0.04	8.52	0.01	0.04	0.05		149.39		0.01		149.49
Vendor	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
Worker	0.09	0.10	1.09	0.00	0.23	0.01	0.24	0.01	0.01	0.02		186.56		0.01		186.79
Total	**0.19**	**1.14**	**1.72**	**0.00**	**8.70**	**0.05**	**8.76**	**0.02**	**0.05**	**0.07**		**335.95**		**0.02**		**336.28**

3.3 Site Preparation - 2012

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	lb/day										lb/day					
Fugitive Dust					18.09	0.00	18.09	9.93	0.00	9.93						0.00
Off-Road	10.43	84.72	47.82	0.07		4.27	4.27		4.27	4.27		7,997.69		0.93		8,017.28
Total	**10.43**	**84.72**	**47.82**	**0.07**	**18.09**	**4.27**	**22.36**	**9.93**	**4.27**	**14.20**		**7,997.69**		**0.93**		**8,017.28**

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	lb/day										lb/day					
Hauling	1.51	15.49	9.38	0.02	75.60	0.63	76.23	0.08	0.63	0.71		2,224.06		0.08		2,225.65
Vendor	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
Worker	0.11	0.12	1.30	0.00	0.28	0.01	0.28	0.01	0.01	0.02		223.87		0.01		224.14
Total	**1.62**	**15.61**	**10.68**	**0.02**	**75.88**	**0.64**	**76.51**	**0.09**	**0.64**	**0.73**		**2,447.93**		**0.09**		**2,449.79**

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	lb/day										lb/day					
Fugitive Dust					7.73	0.00	7.73	4.25	0.00	4.25						0.00
Off-Road	10.43	84.72	47.82	0.07		4.27	4.27		4.27	4.27	0.00	7,997.69		0.93		8,017.28
Total	**10.43**	**84.72**	**47.82**	**0.07**	**7.73**	**4.27**	**12.00**	**4.25**	**4.27**	**8.52**	**0.00**	**7,997.69**		**0.93**		**8,017.28**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	1.51	15.49	9.38	0.02	75.60	0.63	76.23	0.08	0.63	0.71		2,224.06		0.08		2,225.65
Vendor	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
Worker	0.11	0.12	1.30	0.00	0.28	0.01	0.28	0.01	0.01	0.02		223.87		0.01		224.14
Total	**1.62**	**15.61**	**10.68**	**0.02**	**75.88**	**0.64**	**76.51**	**0.09**	**0.64**	**0.73**		**2,447.93**		**0.09**		**2,449.79**

3.4 Grading - 2012

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	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	12.50	103.90	55.13	0.10		5.01	5.01		5.01	5.01		10,856.65		1.12		10,880.18
Total	**12.50**	**103.90**	**55.13**	**0.10**	**8.67**	**5.01**	**13.68**	**3.31**	**5.01**	**8.32**		**10,856.65**		**1.12**		**10,880.18**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.12	0.13	1.45	0.00	0.31	0.01	0.32	0.01	0.01	0.02		248.74		0.01		249.05
Total	**0.12**	**0.13**	**1.45**	**0.00**	**0.31**	**0.01**	**0.32**	**0.01**	**0.01**	**0.02**		**248.74**		**0.01**		**249.05**

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	lb/day										lb/day					
Fugitive Dust					3.71	0.00	3.71	1.42	0.00	1.42						0.00
Off-Road	12.50	103.90	55.13	0.10		5.01	5.01		5.01	5.01	0.00	10,856.65		1.12		10,880.18
Total	**12.50**	**103.90**	**55.13**	**0.10**	**3.71**	**5.01**	**8.72**	**1.42**	**5.01**	**6.43**	**0.00**	**10,856.65**		**1.12**		**10,880.18**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.12	0.13	1.45	0.00	0.31	0.01	0.32	0.01	0.01	0.02		248.74		0.01		249.05
Total	**0.12**	**0.13**	**1.45**	**0.00**	**0.31**	**0.01**	**0.32**	**0.01**	**0.01**	**0.02**		**248.74**		**0.01**		**249.05**

3.4 Grading - 2013

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	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	11.85	97.47	52.85	0.10		4.59	4.59		4.59	4.59		10,856.66		1.06		10,878.90
Total	**11.85**	**97.47**	**52.85**	**0.10**	**8.67**	**4.59**	**13.26**	**3.31**	**4.59**	**7.90**		**10,856.66**		**1.06**		**10,878.90**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.11	0.12	1.33	0.00	0.31	0.01	0.32	0.01	0.01	0.02		243.42		0.01		243.70
Total	**0.11**	**0.12**	**1.33**	**0.00**	**0.31**	**0.01**	**0.32**	**0.01**	**0.01**	**0.02**		**243.42**		**0.01**		**243.70**

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	lb/day										lb/day					
Fugitive Dust					3.71	0.00	3.71	1.42	0.00	1.42						0.00
Off-Road	11.85	97.47	52.85	0.10		4.59	4.59		4.59	4.59	0.00	10,856.66		1.06		10,878.90
Total	**11.85**	**97.47**	**52.85**	**0.10**	**3.71**	**4.59**	**8.30**	**1.42**	**4.59**	**6.01**	**0.00**	**10,856.66**		**1.06**		**10,878.90**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.11	0.12	1.33	0.00	0.31	0.01	0.32	0.01	0.01	0.02		243.42		0.01		243.70
Total	**0.11**	**0.12**	**1.33**	**0.00**	**0.31**	**0.01**	**0.32**	**0.01**	**0.01**	**0.02**		**243.42**		**0.01**		**243.70**

3.5 Building Construction - 2012

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	lb/day										lb/day					
Off-Road	5.63	37.37	23.73	0.04		2.54	2.54		2.54	2.54		4,040.62		0.51		4,051.23
Total	**5.63**	**37.37**	**23.73**	**0.04**		**2.54**	**2.54**		**2.54**	**2.54**		**4,040.62**		**0.51**		**4,051.23**

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	lb/day										lb/day					
Hauling	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
Vendor	1.98	21.60	14.25	0.03	1.18	0.72	1.91	0.09	0.72	0.81		3,408.60		0.10		3,410.70
Worker	2.58	2.70	30.34	0.05	6.43	0.20	6.63	0.24	0.20	0.44		5,211.18		0.30		5,217.56
Total	**4.56**	**24.30**	**44.59**	**0.08**	**7.61**	**0.92**	**8.54**	**0.33**	**0.92**	**1.25**		**8,619.78**		**0.40**		**8,628.26**

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	lb/day										lb/day					
Off-Road	5.63	37.37	23.73	0.04		2.54	2.54		2.54	2.54	0.00	4,040.62		0.51		4,051.23
Total	**5.63**	**37.37**	**23.73**	**0.04**		**2.54**	**2.54**		**2.54**	**2.54**	**0.00**	**4,040.62**		**0.51**		**4,051.23**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	1.98	21.60	14.25	0.03	1.18	0.72	1.91	0.09	0.72	0.81		3,408.60		0.10		3,410.70
Worker	2.58	2.70	30.34	0.05	6.43	0.20	6.63	0.24	0.20	0.44		5,211.18		0.30		5,217.56
Total	**4.56**	**24.30**	**44.59**	**0.08**	**7.61**	**0.92**	**8.54**	**0.33**	**0.92**	**1.25**		**8,619.78**		**0.40**		**8,628.26**

3.5 Building Construction - 2013

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	lb/day										lb/day					
Off-Road	5.17	34.66	23.45	0.04		2.28	2.28		2.28	2.28		4,040.62		0.46		4,050.31
Total	**5.17**	**34.66**	**23.45**	**0.04**		**2.28**	**2.28**		**2.28**	**2.28**		**4,040.62**		**0.46**		**4,050.31**

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	lb/day										lb/day					
Hauling	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
Vendor	1.81	19.67	13.03	0.03	1.18	0.65	1.84	0.09	0.65	0.74		3,421.57		0.09		3,423.49
Worker	2.41	2.46	27.91	0.05	6.43	0.20	6.63	0.24	0.20	0.44		5,099.63		0.28		5,105.56
Total	**4.22**	**22.13**	**40.94**	**0.08**	**7.61**	**0.85**	**8.47**	**0.33**	**0.85**	**1.18**		**8,521.20**		**0.37**		**8,529.05**

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	lb/day										lb/day					
Off-Road	5.17	34.66	23.45	0.04		2.28	2.28		2.28	2.28	0.00	4,040.62		0.46		4,050.31
Total	**5.17**	**34.66**	**23.45**	**0.04**		**2.28**	**2.28**		**2.28**	**2.28**	**0.00**	**4,040.62**		**0.46**		**4,050.31**

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	lb/day										lb/day					
Hauling	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
Vendor	1.81	19.67	13.03	0.03	1.18	0.65	1.84	0.09	0.65	0.74		3,421.57		0.09		3,423.49
Worker	2.41	2.46	27.91	0.05	6.43	0.20	6.63	0.24	0.20	0.44		5,099.63		0.28		5,105.56
Total	**4.22**	**22.13**	**40.94**	**0.08**	**7.61**	**0.85**	**8.47**	**0.33**	**0.85**	**1.18**		**8,521.20**		**0.37**		**8,529.05**

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	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02		4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**		**4,040.61**		**0.42**		**4,049.51**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	1.66	17.81	11.91	0.03	1.18	0.58	1.77	0.09	0.58	0.67		3,434.17		0.08		3,435.91
Worker	2.25	2.24	25.81	0.05	6.43	0.20	6.63	0.24	0.20	0.44		5,000.60		0.26		5,006.13
Total	**3.91**	**20.05**	**37.72**	**0.08**	**7.61**	**0.78**	**8.40**	**0.33**	**0.78**	**1.11**		**8,434.77**		**0.34**		**8,442.04**

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	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02	0.00	4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**	**0.00**	**4,040.61**		**0.42**		**4,049.51**

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	lb/day										lb/day					
Hauling	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
Vendor	1.66	17.81	11.91	0.03	1.18	0.58	1.77	0.09	0.58	0.67		3,434.17		0.08		3,435.91
Worker	2.25	2.24	25.81	0.05	6.43	0.20	6.63	0.24	0.20	0.44		5,000.60		0.26		5,006.13
Total	**3.91**	**20.05**	**37.72**	**0.08**	**7.61**	**0.78**	**8.40**	**0.33**	**0.78**	**1.11**		**8,434.77**		**0.34**		**8,442.04**

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	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80		4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**		**4,040.61**		**0.39**		**4,048.81**

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	lb/day										lb/day					
Hauling	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
Vendor	1.51	16.15	10.90	0.03	1.18	0.52	1.70	0.09	0.52	0.61		3,445.81		0.08		3,447.40
Worker	2.12	2.05	23.81	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,889.63		0.24		4,894.76
Total	**3.63**	**18.20**	**34.71**	**0.08**	**7.61**	**0.73**	**8.34**	**0.33**	**0.73**	**1.06**		**8,335.44**		**0.32**		**8,342.16**

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	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80	0.00	4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**4,040.61**		**0.39**		**4,048.81**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	1.51	16.15	10.90	0.03	1.18	0.52	1.70	0.09	0.52	0.61		3,445.81		0.08		3,447.40
Worker	2.12	2.05	23.81	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,889.63		0.24		4,894.76
Total	**3.63**	**18.20**	**34.71**	**0.08**	**7.61**	**0.73**	**8.34**	**0.33**	**0.73**	**1.06**		**8,335.44**		**0.32**		**8,342.16**

3.5 Building Construction - 2016

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	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58		4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**		**4,040.61**		**0.36**		**4,048.10**

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	lb/day										lb/day					
Hauling	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
Vendor	1.39	14.83	10.08	0.03	1.18	0.47	1.65	0.09	0.47	0.56		3,452.12		0.07		3,453.57
Worker	2.00	1.87	22.00	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,754.14		0.23		4,758.90
Total	**3.39**	**16.70**	**32.08**	**0.08**	**7.61**	**0.68**	**8.29**	**0.33**	**0.68**	**1.01**		**8,206.26**		**0.30**		**8,212.47**

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	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58	0.00	4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**	**0.00**	**4,040.61**		**0.36**		**4,048.10**

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	lb/day										lb/day					
Hauling	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
Vendor	1.39	14.83	10.08	0.03	1.18	0.47	1.65	0.09	0.47	0.56		3,452.12		0.07		3,453.57
Worker	2.00	1.87	22.00	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,754.14		0.23		4,758.90
Total	**3.39**	**16.70**	**32.08**	**0.08**	**7.61**	**0.68**	**8.29**	**0.33**	**0.68**	**1.01**		**8,206.26**		**0.30**		**8,212.47**

3.5 Building Construction - 2017

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	lb/day										lb/day					
Off-Road	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39		4,040.61		0.33		4,047.45
Total	**3.66**	**24.08**	**22.64**	**0.04**		**1.39**	**1.39**		**1.39**	**1.39**		**4,040.61**		**0.33**		**4,047.45**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	1.29	13.73	9.39	0.03	1.18	0.43	1.61	0.09	0.43	0.52		3,461.85		0.06		3,463.19
Worker	1.89	1.71	20.38	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,651.46		0.21		4,655.93
Total	**3.18**	**15.44**	**29.77**	**0.08**	**7.61**	**0.64**	**8.25**	**0.33**	**0.64**	**0.97**		**8,113.31**		**0.27**		**8,119.12**

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	lb/day										lb/day					
Off-Road	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39	0.00	4,040.61		0.33		4,047.45
Total	**3.66**	**24.08**	**22.64**	**0.04**		**1.39**	**1.39**		**1.39**	**1.39**	**0.00**	**4,040.61**		**0.33**		**4,047.45**

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	lb/day										lb/day					
Hauling	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
Vendor	1.29	13.73	9.39	0.03	1.18	0.43	1.61	0.09	0.43	0.52		3,461.85		0.06		3,463.19
Worker	1.89	1.71	20.38	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,651.46		0.21		4,655.93
Total	**3.18**	**15.44**	**29.77**	**0.08**	**7.61**	**0.64**	**8.25**	**0.33**	**0.64**	**0.97**		**8,113.31**		**0.27**		**8,119.12**

3.5 Building Construction - 2018

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	lb/day										lb/day					
Off-Road	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20		4,040.62		0.30		4,046.87
Total	**3.34**	**21.78**	**22.50**	**0.04**		**1.20**	**1.20**		**1.20**	**1.20**		**4,040.62**		**0.30**		**4,046.87**

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	lb/day										lb/day					
Hauling	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
Vendor	1.20	12.79	8.74	0.03	1.18	0.39	1.58	0.03	0.36	0.39		3,471.20		0.06		3,472.45
Worker	1.79	1.57	18.91	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,554.01		0.20		4,558.19
Total	**2.99**	**14.36**	**27.65**	**0.08**	**7.61**	**0.60**	**8.22**	**0.12**	**0.55**	**0.67**		**8,025.21**		**0.26**		**8,030.64**

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	lb/day										lb/day					
Off-Road	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20	0.00	4,040.62		0.30		4,046.87
Total	**3.34**	**21.78**	**22.50**	**0.04**		**1.20**	**1.20**		**1.20**	**1.20**	**0.00**	**4,040.62**		**0.30**		**4,046.87**

Moran Street Specific Plan
Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	1.20	12.79	8.74	0.03	1.18	0.39	1.58	0.03	0.36	0.39		3,471.20		0.06		3,472.45
Worker	1.79	1.57	18.91	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,554.01		0.20		4,558.19
Total	**2.99**	**14.36**	**27.65**	**0.08**	**7.61**	**0.60**	**8.22**	**0.12**	**0.55**	**0.67**		**8,025.21**		**0.26**		**8,030.64**

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	lb/day										lb/day					
Off-Road	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03		4,040.62		0.27		4,046.36
Total	**3.05**	**19.73**	**22.36**	**0.04**		**1.03**	**1.03**		**1.03**	**1.03**		**4,040.62**		**0.27**		**4,046.36**

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	lb/day										lb/day					
Hauling	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
Vendor	1.12	11.99	8.12	0.03	1.18	0.36	1.54	0.03	0.33	0.36		3,480.40		0.06		3,481.56
Worker	1.71	1.45	17.64	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,463.27		0.19		4,467.21
Total	**2.83**	**13.44**	**25.76**	**0.08**	**7.61**	**0.57**	**8.18**	**0.12**	**0.52**	**0.64**		**7,943.67**		**0.25**		**7,948.77**

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	lb/day										lb/day					
Off-Road	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03	0.00	4,040.62		0.27		4,046.36
Total	**3.05**	**19.73**	**22.36**	**0.04**		**1.03**	**1.03**		**1.03**	**1.03**	**0.00**	**4,040.62**		**0.27**		**4,046.36**

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	lb/day										lb/day					
Hauling	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
Vendor	1.12	11.99	8.12	0.03	1.18	0.36	1.54	0.03	0.33	0.36		3,480.40		0.06		3,481.56
Worker	1.71	1.45	17.64	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,463.27		0.19		4,467.21
Total	**2.83**	**13.44**	**25.76**	**0.08**	**7.61**	**0.57**	**8.18**	**0.12**	**0.52**	**0.64**		**7,943.67**		**0.25**		**7,948.77**

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	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88		4,040.62		0.25		4,045.85
Total	**2.80**	**17.88**	**22.24**	**0.04**		**0.88**	**0.88**		**0.88**	**0.88**		**4,040.62**		**0.25**		**4,045.85**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	1.05	11.32	7.58	0.03	1.18	0.33	1.52	0.03	0.31	0.34		3,489.01		0.05		3,490.10
Worker	1.64	1.33	16.51	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,378.98		0.18		4,382.69
Total	**2.69**	**12.65**	**24.09**	**0.08**	**7.61**	**0.54**	**8.16**	**0.12**	**0.50**	**0.62**		**7,867.99**		**0.23**		**7,872.79**

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	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88	0.00	4,040.62		0.25		4,045.85
Total	**2.80**	**17.88**	**22.24**	**0.04**		**0.88**	**0.88**		**0.88**	**0.88**	**0.00**	**4,040.62**		**0.25**		**4,045.85**

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	lb/day										lb/day					
Hauling	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
Vendor	1.05	11.32	7.58	0.03	1.18	0.33	1.52	0.03	0.31	0.34		3,489.01		0.05		3,490.10
Worker	1.64	1.33	16.51	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,378.98		0.18		4,382.69
Total	**2.69**	**12.65**	**24.09**	**0.08**	**7.61**	**0.54**	**8.16**	**0.12**	**0.50**	**0.62**		**7,867.99**		**0.23**		**7,872.79**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.56	16.08	22.10	0.04		0.74	0.74		0.74	0.74		4,040.61		0.23		4,045.38
Total	**2.56**	**16.08**	**22.10**	**0.04**		**0.74**	**0.74**		**0.74**	**0.74**		**4,040.61**		**0.23**		**4,045.38**

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	lb/day										lb/day					
Hauling	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
Vendor	0.99	10.74	7.14	0.03	1.18	0.31	1.49	0.03	0.28	0.31		3,497.05		0.05		3,498.06
Worker	1.59	1.24	15.58	0.05	6.43	0.21	6.64	0.09	0.20	0.28		4,313.20		0.17		4,316.75
Total	**2.58**	**11.98**	**22.72**	**0.08**	**7.61**	**0.52**	**8.13**	**0.12**	**0.48**	**0.59**		**7,810.25**		**0.22**		**7,814.81**

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	lb/day										lb/day					
Off-Road	2.56	16.08	22.10	0.04		0.74	0.74		0.74	0.74	0.00	4,040.61		0.23		4,045.38
Total	**2.56**	**16.08**	**22.10**	**0.04**		**0.74**	**0.74**		**0.74**	**0.74**	**0.00**	**4,040.61**		**0.23**		**4,045.38**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	0.99	10.74	7.14	0.03	1.18	0.31	1.49	0.03	0.28	0.31		3,497.05		0.05		3,498.06
Worker	1.59	1.24	15.58	0.05	6.43	0.21	6.64	0.09	0.20	0.28		4,313.20		0.17		4,316.75
Total	**2.58**	**11.98**	**22.72**	**0.08**	**7.61**	**0.52**	**8.13**	**0.12**	**0.48**	**0.59**		**7,810.25**		**0.22**		**7,814.81**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.38	14.57	22.04	0.04		0.62	0.62		0.62	0.62		4,040.61		0.21		4,045.05
Total	**2.38**	**14.57**	**22.04**	**0.04**		**0.62**	**0.62**		**0.62**	**0.62**		**4,040.61**		**0.21**		**4,045.05**

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	lb/day										lb/day					
Hauling	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
Vendor	0.94	10.25	6.75	0.03	1.18	0.29	1.47	0.03	0.27	0.30		3,504.89		0.05		3,505.84
Worker	1.53	1.15	14.68	0.05	6.43	0.21	6.64	0.09	0.20	0.28		4,242.64		0.16		4,246.00
Total	**2.47**	**11.40**	**21.43**	**0.08**	**7.61**	**0.50**	**8.11**	**0.12**	**0.47**	**0.58**		**7,747.53**		**0.21**		**7,751.84**

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	lb/day										lb/day					
Off-Road	2.38	14.57	22.04	0.04		0.62	0.62		0.62	0.62	0.00	4,040.61		0.21		4,045.05
Total	**2.38**	**14.57**	**22.04**	**0.04**		**0.62**	**0.62**		**0.62**	**0.62**	**0.00**	**4,040.61**		**0.21**		**4,045.05**

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	lb/day										lb/day					
Hauling	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
Vendor	0.94	10.25	6.75	0.03	1.18	0.29	1.47	0.03	0.27	0.30		3,504.89		0.05		3,505.84
Worker	1.53	1.15	14.68	0.05	6.43	0.21	6.64	0.09	0.20	0.28		4,242.64		0.16		4,246.00
Total	**2.47**	**11.40**	**21.43**	**0.08**	**7.61**	**0.50**	**8.11**	**0.12**	**0.47**	**0.58**		**7,747.53**		**0.21**		**7,751.84**

3.5 Building Construction - 2023

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	lb/day										lb/day					
Off-Road	2.23	13.23	21.99	0.04		0.52	0.52		0.52	0.52		4,040.61		0.20		4,044.79
Total	**2.23**	**13.23**	**21.99**	**0.04**		**0.52**	**0.52**		**0.52**	**0.52**		**4,040.61**		**0.20**		**4,044.79**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	0.90	9.85	6.41	0.03	1.18	0.27	1.46	0.03	0.25	0.28		3,512.52		0.04		3,513.43
Worker	1.47	1.07	13.85	0.05	6.43	0.21	6.64	0.09	0.20	0.28		4,177.33		0.15		4,180.53
Total	**2.37**	**10.92**	**20.26**	**0.08**	**7.61**	**0.48**	**8.10**	**0.12**	**0.45**	**0.56**		**7,689.85**		**0.19**		**7,693.96**

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	lb/day										lb/day					
Off-Road	2.23	13.23	21.99	0.04		0.52	0.52		0.52	0.52	0.00	4,040.61		0.20		4,044.79
Total	**2.23**	**13.23**	**21.99**	**0.04**		**0.52**	**0.52**		**0.52**	**0.52**	**0.00**	**4,040.61**		**0.20**		**4,044.79**

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	lb/day										lb/day					
Hauling	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
Vendor	0.90	9.85	6.41	0.03	1.18	0.27	1.46	0.03	0.25	0.28		3,512.52		0.04		3,513.43
Worker	1.47	1.07	13.85	0.05	6.43	0.21	6.64	0.09	0.20	0.28		4,177.33		0.15		4,180.53
Total	**2.37**	**10.92**	**20.26**	**0.08**	**7.61**	**0.48**	**8.10**	**0.12**	**0.45**	**0.56**		**7,689.85**		**0.19**		**7,693.96**

3.6 Paving - 2012

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	lb/day										lb/day					
Off-Road	5.86	35.62	21.08	0.03		3.13	3.13		3.13	3.13		2,917.64		0.53		2,928.70
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**5.86**	**35.62**	**21.08**	**0.03**		**3.13**	**3.13**		**3.13**	**3.13**		**2,917.64**		**0.53**		**2,928.70**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.09	0.10	1.09	0.00	0.23	0.01	0.24	0.01	0.01	0.02		186.56		0.01		186.79
Total	**0.09**	**0.10**	**1.09**	**0.00**	**0.23**	**0.01**	**0.24**	**0.01**	**0.01**	**0.02**		**186.56**		**0.01**		**186.79**

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	lb/day										lb/day					
Off-Road	5.86	35.62	21.08	0.03		3.13	3.13		3.13	3.13	0.00	2,917.64		0.53		2,928.70
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**5.86**	**35.62**	**21.08**	**0.03**		**3.13**	**3.13**		**3.13**	**3.13**	**0.00**	**2,917.64**		**0.53**		**2,928.70**

Moran Street Specific Plan
Orange County, Summer

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.09	0.10	1.09	0.00	0.23	0.01	0.24	0.01	0.01	0.02		186.56		0.01		186.79
Total	**0.09**	**0.10**	**1.09**	**0.00**	**0.23**	**0.01**	**0.24**	**0.01**	**0.01**	**0.02**		**186.56**		**0.01**		**186.79**

3.7 Architectural Coating - 2012

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	lb/day										lb/day					
Archit. Coating	73.85					0.00	0.00		0.00	0.00						0.00
Off-Road	0.52	3.16	1.96	0.00		0.29	0.29		0.29	0.29		281.19		0.05		282.18
Total	**74.37**	**3.16**	**1.96**	**0.00**		**0.29**	**0.29**		**0.29**	**0.29**		**281.19**		**0.05**		**282.18**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.52	0.54	6.08	0.01	1.29	0.04	1.33	0.05	0.04	0.09		1,044.72		0.06		1,046.00
Total	**0.52**	**0.54**	**6.08**	**0.01**	**1.29**	**0.04**	**1.33**	**0.05**	**0.04**	**0.09**		**1,044.72**		**0.06**		**1,046.00**

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	lb/day										lb/day					
Archit. Coating	73.85					0.00	0.00		0.00	0.00						0.00
Off-Road	0.52	3.16	1.96	0.00		0.29	0.29		0.29	0.29	0.00	281.19		0.05		282.18
Total	**74.37**	**3.16**	**1.96**	**0.00**		**0.29**	**0.29**		**0.29**	**0.29**	**0.00**	**281.19**		**0.05**		**282.18**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.52	0.54	6.08	0.01	1.29	0.04	1.33	0.05	0.04	0.09		1,044.72		0.06		1,046.00
Total	**0.52**	**0.54**	**6.08**	**0.01**	**1.29**	**0.04**	**1.33**	**0.05**	**0.04**	**0.09**		**1,044.72**		**0.06**		**1,046.00**

Moran Street Specific Plan

Orange County, Summer

4.0 Mobile Detail

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	lb/day										lb/day					
Mitigated	41.38	64.78	317.43	1.25	138.93	5.64	144.57	1.93	4.88	6.81		94,620.59		2.71		94,677.54
Unmitigated	41.38	64.78	317.43	1.25	138.93	5.64	144.57	1.93	4.88	6.81		94,620.59		2.71		94,677.54
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	668.15	652.05	652.05	2,210,003	2,210,003
General Office Building	401.66	86.40	86.40	995,055	995,055
High Turnover (Sit Down Restaurant)	3,274.20	4,078.82	4078.82	6,378,851	6,378,851
Hotel	213.60	1,008.00	1008.00	1,226,598	1,226,598
Parking Structure	0.00	0.00	0.00		
Place of Worship	530.00	1,060.00	1060.00	2,268,825	2,268,825
Quality Restaurant	2,900.23	3,041.48	3041.48	5,347,232	5,347,232
Regional Shopping Center	3,728.35	4,339.43	4339.43	10,233,493	10,233,493
Condo/Townhouse High Rise	501.12	361.44	361.44	1,536,099	1,536,099
Strip Mall	2,675.93	2,538.15	2538.15	6,057,428	6,057,428
Total	14,893.24	17,165.76	17,165.76	36,253,584	36,253,584

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Condo/Townhouse	12.70	7.00	9.50	40.20	19.20	40.60
General Office Building	8.90	13.30	7.40	33.00	48.00	19.00
High Turnover (Sit Down Restaurant)	8.90	13.30	7.40	8.50	72.50	19.00
Hotel	8.90	13.30	7.40	19.40	61.60	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Place of Worship	8.90	13.30	7.40	0.00	95.00	5.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Regional Shopping Center	8.90	13.30	7.40	16.30	64.70	19.00
Condo/Townhouse High Rise	12.70	7.00	9.50	40.20	19.20	40.60
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

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	lb/day										lb/day					
NaturalGas Mitigated	1.02	9.15	6.99	0.06		0.00	0.70		0.00	0.70		11,103.50		0.21	0.20	11,171.08
NaturalGas Unmitigated	1.02	9.15	6.99	0.06		0.00	0.70		0.00	0.70		11,103.50		0.21	0.20	11,171.08
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Moran Street Specific Plan

Orange County, Summer

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	lb/day										lb/day					
Condo/Townhouse	8072.46	0.09	0.74	0.32	0.00		0.00	0.06		0.00	0.06		949.70		0.02	0.02	955.48
Condo/Townhouse High Rise	10108.1	0.11	0.93	0.40	0.01		0.00	0.08		0.00	0.08		1,189.19		0.02	0.02	1,196.43
General Office Building	1008.92	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		118.70		0.00	0.00	119.42
High Turnover (Sit Down Restaurant)	23946.9	0.26	2.35	1.97	0.01		0.00	0.18		0.00	0.18		2,817.28		0.05	0.05	2,834.42
Hotel	17075.5	0.18	1.67	1.41	0.01		0.00	0.13		0.00	0.13		2,008.88		0.04	0.04	2,021.11
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Place of Worship	2994.33	0.03	0.29	0.25	0.00		0.00	0.02		0.00	0.02		352.27		0.01	0.01	354.42
Quality Restaurant	30160.9	0.33	2.96	2.48	0.02		0.00	0.22		0.00	0.22		3,548.34		0.07	0.07	3,569.94
Regional Shopping Center	609.608	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00		71.72		0.00	0.00	72.16
Strip Mall	403.036	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00		47.42		0.00	0.00	47.70
Total		**1.02**	**9.14**	**6.99**	**0.05**		**0.00**	**0.70**		**0.00**	**0.70**		**11,103.50**		**0.21**	**0.21**	**11,171.08**

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	lb/day										lb/day					
Condo/Townhouse	8.07246	0.09	0.74	0.32	0.00		0.00	0.06		0.00	0.06		949.70		0.02	0.02	955.48
Condo/Townhouse High Rise	10.1081	0.11	0.93	0.40	0.01		0.00	0.08		0.00	0.08		1,189.19		0.02	0.02	1,196.43
General Office Building	1.00892	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		118.70		0.00	0.00	119.42
High Turnover (Sit Down Restaurant)	23.9469	0.26	2.35	1.97	0.01		0.00	0.18		0.00	0.18		2,817.28		0.05	0.05	2,834.42
Hotel	17.0755	0.18	1.67	1.41	0.01		0.00	0.13		0.00	0.13		2,008.88		0.04	0.04	2,021.11
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Place of Worship	2.99433	0.03	0.29	0.25	0.00		0.00	0.02		0.00	0.02		352.27		0.01	0.01	354.42
Quality Restaurant	30.1609	0.33	2.96	2.48	0.02		0.00	0.22		0.00	0.22		3,548.34		0.07	0.07	3,569.94
Regional Shopping Center	0.609608	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00		71.72		0.00	0.00	72.16
Strip Mall	0.403036	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00		47.42		0.00	0.00	47.70
Total		**1.02**	**9.14**	**6.99**	**0.05**		**0.00**	**0.70**		**0.00**	**0.70**		**11,103.50**		**0.21**	**0.21**	**11,171.08**

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	lb/day										lb/day					
Mitigated	22.64	0.25	21.59	0.00		0.00	0.47		0.00	0.46	0.00	5,523.65		0.14	0.10	5,557.81
Unmitigated	22.64	0.25	21.59	0.00		0.00	0.47		0.00	0.46	0.00	5,523.65		0.14	0.10	5,557.81
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Moran Street Specific Plan
Orange County, Summer

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	lb/day										lb/day					
Architectural Coating	4.39					0.00	0.00		0.00	0.00						0.00
Consumer Products	17.10					0.00	0.00		0.00	0.00						0.00
Hearth	0.50	0.00	0.03	0.00		0.00	0.35		0.00	0.34	0.00	5,484.71		0.11	0.10	5,518.08
Landscaping	0.64	0.25	21.56	0.00		0.00	0.12		0.00	0.12		38.94		0.04		39.72
Total	**22.63**	**0.25**	**21.59**	**0.00**		**0.00**	**0.47**		**0.00**	**0.46**	**0.00**	**5,523.65**		**0.15**	**0.10**	**5,557.80**

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	lb/day										lb/day					
Architectural Coating	4.39					0.00	0.00		0.00	0.00						0.00
Consumer Products	17.10					0.00	0.00		0.00	0.00						0.00
Hearth	0.50	0.00	0.03	0.00		0.00	0.35		0.00	0.34	0.00	5,484.71		0.11	0.10	5,518.08
Landscaping	0.64	0.25	21.56	0.00		0.00	0.12		0.00	0.12		38.94		0.04		39.72
Total	**22.63**	**0.25**	**21.59**	**0.00**		**0.00**	**0.47**		**0.00**	**0.46**	**0.00**	**5,523.65**		**0.15**	**0.10**	**5,557.80**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet
Install Low Flow Kitchen Faucet
Install Low Flow Toilet
Install Low Flow Shower
Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Moran Street Specific Plan

Orange County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Office Building	38.4	1000sqft
Place of Worship	1000	Seat
Parking Structure	215.76	1000sqft
High Turnover (Sit Down Restaurant)	33.18	1000sqft
Hotel	120	Room
Quality Restaurant	41.79	1000sqft
Condo/Townhouse	115	Dwelling Unit
Condo/Townhouse High Rise	144	Dwelling Unit
Regional Shopping Center	108.54	1000sqft
Strip Mall	71.76	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Population based on DOF (2009) of 3.4 persons per household in Westminster.

Construction Phase - Worst-Case construction schedule. Assumes all phases could overlap. Based on an interpolation of the CalEEMod defaults for a 15-year project timeline (since phasing is assumed to overlap, total time appears shorter.)

Demolition - Based on demolition of existing auto-related structures and other miscellaneous structures.

Grading - Based on one-level of subterranean parking for an approximately 310 feet x 174 feet wide structure with a 13-foot height.

Vehicle Trips - KOA Traffic Report

Woodstoves - No woodburning devices in accordance with SCAQMD Rule 445.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403, based on efficiencies report by SCAQMD.

Water Mitigation - Indoor and outdoor water use efficiencies required under the 2010 California Green Building Code.

Off-road Equipment -

Trips and VMT -

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

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	lb/day										lb/day					
2012	125.71	384.50	259.36	0.45	121.19	20.72	141.91	13.74	20.72	34.46	0.00	45,998.82	0.00	4.55	0.00	46,094.33
2013	21.68	155.79	118.43	0.23	16.60	7.74	24.33	3.65	7.74	11.39	0.00	23,294.32	0.00	1.90	0.00	23,334.21
2014	8.94	53.32	60.90	0.12	7.61	2.82	10.44	0.33	2.82	3.15	0.00	12,129.10	0.00	0.76	0.00	12,145.13
2015	8.25	48.38	57.74	0.12	7.61	2.53	10.15	0.33	2.53	2.86	0.00	12,035.78	0.00	0.70	0.00	12,050.57
2016	7.64	44.11	54.98	0.12	7.62	2.27	9.88	0.33	2.27	2.60	0.00	11,914.19	0.00	0.65	0.00	11,927.79
2017	7.09	40.28	52.56	0.12	7.62	2.03	9.64	0.33	2.03	2.36	0.00	11,826.77	0.00	0.60	0.00	11,839.31
2018	6.58	36.78	50.34	0.12	7.62	1.81	9.42	0.12	1.76	1.88	0.00	11,743.74	0.00	0.55	0.00	11,755.30
2019	6.12	33.72	48.37	0.12	7.62	1.60	9.22	0.12	1.56	1.68	0.00	11,666.77	0.00	0.51	0.00	11,677.48
2020	5.72	30.99	46.63	0.12	7.62	1.42	9.04	0.12	1.38	1.50	0.00	11,595.26	0.00	0.47	0.00	11,605.17
2021	5.36	28.44	45.15	0.12	7.62	1.26	8.88	0.12	1.22	1.34	0.00	11,540.77	0.00	0.44	0.00	11,549.98
2022	5.07	26.29	43.81	0.12	7.62	1.13	8.74	0.12	1.09	1.20	0.00	11,481.43	0.00	0.41	0.00	11,490.06
2023	4.81	24.40	42.63	0.12	7.62	1.01	8.62	0.12	0.97	1.09	0.00	11,426.77	0.00	0.39	0.00	11,434.93
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Moran Street Specific Plan
Orange County, Winter

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	lb/day										lb/day					
2012	125.71	384.50	259.36	0.45	105.64	20.72	126.36	6.16	20.72	26.88	0.00	45,998.82	0.00	4.55	0.00	46,094.33
2013	21.68	155.79	118.43	0.23	11.63	7.74	19.37	1.76	7.74	9.50	0.00	23,294.32	0.00	1.90	0.00	23,334.21
2014	8.94	53.32	60.90	0.12	7.61	2.82	10.44	0.33	2.82	3.15	0.00	12,129.10	0.00	0.76	0.00	12,145.13
2015	8.25	48.38	57.74	0.12	7.61	2.53	10.15	0.33	2.53	2.86	0.00	12,035.78	0.00	0.70	0.00	12,050.57
2016	7.64	44.11	54.98	0.12	7.62	2.27	9.88	0.33	2.27	2.60	0.00	11,914.19	0.00	0.65	0.00	11,927.79
2017	7.09	40.28	52.56	0.12	7.62	2.03	9.64	0.33	2.03	2.36	0.00	11,826.77	0.00	0.60	0.00	11,839.31
2018	6.58	36.78	50.34	0.12	7.62	1.81	9.42	0.12	1.76	1.88	0.00	11,743.74	0.00	0.55	0.00	11,755.30
2019	6.12	33.72	48.37	0.12	7.62	1.60	9.22	0.12	1.56	1.68	0.00	11,666.77	0.00	0.51	0.00	11,677.48
2020	5.72	30.99	46.63	0.12	7.62	1.42	9.04	0.12	1.38	1.50	0.00	11,595.26	0.00	0.47	0.00	11,605.17
2021	5.36	28.44	45.15	0.12	7.62	1.26	8.88	0.12	1.22	1.34	0.00	11,540.77	0.00	0.44	0.00	11,549.98
2022	5.07	26.29	43.81	0.12	7.62	1.13	8.74	0.12	1.09	1.20	0.00	11,481.43	0.00	0.41	0.00	11,490.06
2023	4.81	24.40	42.63	0.12	7.62	1.01	8.62	0.12	0.97	1.09	0.00	11,426.77	0.00	0.39	0.00	11,434.93
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	lb/day										lb/day					
Area	22.64	0.25	21.59	0.00		0.00	0.47		0.00	0.46	0.00	5,523.65		0.14	0.10	5,557.81
Energy	1.02	9.15	6.99	0.06		0.00	0.70		0.00	0.70		11,103.50		0.21	0.20	11,171.08
Mobile	43.28	68.85	314.70	1.17	138.93	5.65	144.58	1.93	4.88	6.82		89,482.97		2.68		89,539.31
Total	**66.94**	**78.25**	**343.28**	**1.23**	**138.93**	**5.65**	**145.75**	**1.93**	**4.88**	**7.98**	**0.00**	**106,110.12**		**3.03**	**0.30**	**106,268.20**

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	lb/day										lb/day					
Area	22.64	0.25	21.59	0.00		0.00	0.47		0.00	0.46	0.00	5,523.65		0.14	0.10	5,557.81
Energy	1.02	9.15	6.99	0.06		0.00	0.70		0.00	0.70		11,103.50		0.21	0.20	11,171.08
Mobile	43.28	68.85	314.70	1.17	138.93	5.65	144.58	1.93	4.88	6.82		89,482.97		2.68		89,539.31
Total	**66.94**	**78.25**	**343.28**	**1.23**	**138.93**	**5.65**	**145.75**	**1.93**	**4.88**	**7.98**	**0.00**	**106,110.12**		**3.03**	**0.30**	**106,268.20**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2012

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	lb/day										lb/day					
Fugitive Dust					0.40	0.00	0.40	0.00	0.00	0.00						0.00
Off-Road	9.34	75.14	44.19	0.07		3.80	3.80		3.80	3.80		7,510.81		0.83		7,528.31
Total	**9.34**	**75.14**	**44.19**	**0.07**	**0.40**	**3.80**	**4.20**	**0.00**	**3.80**	**3.80**		**7,510.81**		**0.83**		**7,528.31**

Moran Street Specific Plan

Orange County, Winter

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	lb/day										lb/day					
Hauling	0.10	1.11	0.66	0.00	8.47	0.04	8.52	0.01	0.04	0.05		148.84		0.01		148.95
Vendor	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
Worker	0.10	0.11	1.03	0.00	0.23	0.01	0.24	0.01	0.01	0.02		174.43		0.01		174.64
Total	**0.20**	**1.22**	**1.69**	**0.00**	**8.70**	**0.05**	**8.76**	**0.02**	**0.05**	**0.07**		**323.27**		**0.02**		**323.59**

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	lb/day										lb/day					
Fugitive Dust					0.17	0.00	0.17	0.00	0.00	0.00						0.00
Off-Road	9.34	75.14	44.19	0.07		3.80	3.80		3.80	3.80	0.00	7,510.81		0.83		7,528.31
Total	**9.34**	**75.14**	**44.19**	**0.07**	**0.17**	**3.80**	**3.97**	**0.00**	**3.80**	**3.80**	**0.00**	**7,510.81**		**0.83**		**7,528.31**

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	lb/day										lb/day					
Hauling	0.10	1.11	0.66	0.00	8.47	0.04	8.52	0.01	0.04	0.05		148.84		0.01		148.95
Vendor	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
Worker	0.10	0.11	1.03	0.00	0.23	0.01	0.24	0.01	0.01	0.02		174.43		0.01		174.64
Total	**0.20**	**1.22**	**1.69**	**0.00**	**8.70**	**0.05**	**8.76**	**0.02**	**0.05**	**0.07**		**323.27**		**0.02**		**323.59**

3.3 Site Preparation - 2012

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	lb/day										lb/day					
Fugitive Dust					18.09	0.00	18.09	9.93	0.00	9.93						0.00
Off-Road	10.43	84.72	47.82	0.07		4.27	4.27		4.27	4.27		7,997.69		0.93		8,017.28
Total	**10.43**	**84.72**	**47.82**	**0.07**	**18.09**	**4.27**	**22.36**	**9.93**	**4.27**	**14.20**		**7,997.69**		**0.93**		**8,017.28**

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	lb/day										lb/day					
Hauling	1.54	16.46	9.90	0.02	75.60	0.64	76.24	0.08	0.64	0.71		2,215.88		0.08		2,217.49
Vendor	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
Worker	0.12	0.13	1.24	0.00	0.28	0.01	0.28	0.01	0.01	0.02		209.31		0.01		209.57
Total	**1.66**	**16.59**	**11.14**	**0.02**	**75.88**	**0.65**	**76.52**	**0.09**	**0.65**	**0.73**		**2,425.19**		**0.09**		**2,427.06**

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	lb/day										lb/day					
Fugitive Dust					7.73	0.00	7.73	4.25	0.00	4.25						0.00
Off-Road	10.43	84.72	47.82	0.07		4.27	4.27		4.27	4.27	0.00	7,997.69		0.93		8,017.28
Total	**10.43**	**84.72**	**47.82**	**0.07**	**7.73**	**4.27**	**12.00**	**4.25**	**4.27**	**8.52**	**0.00**	**7,997.69**		**0.93**		**8,017.28**

Moran Street Specific Plan

Orange County, Winter

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	lb/day										lb/day					
Hauling	1.54	16.46	9.90	0.02	75.60	0.64	76.24	0.08	0.64	0.71		2,215.88		0.08		2,217.49
Vendor	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
Worker	0.12	0.13	1.24	0.00	0.28	0.01	0.28	0.01	0.01	0.02		209.31		0.01		209.57
Total	**1.66**	**16.59**	**11.14**	**0.02**	**75.88**	**0.65**	**76.52**	**0.09**	**0.65**	**0.73**		**2,425.19**		**0.09**		**2,427.06**

3.4 Grading - 2012

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	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	12.50	103.90	55.13	0.10		5.01	5.01		5.01	5.01		10,856.65		1.12		10,880.18
Total	**12.50**	**103.90**	**55.13**	**0.10**	**8.67**	**5.01**	**13.68**	**3.31**	**5.01**	**8.32**		**10,856.65**		**1.12**		**10,880.18**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.13	0.15	1.37	0.00	0.31	0.01	0.32	0.01	0.01	0.02		232.57		0.01		232.86
Total	**0.13**	**0.15**	**1.37**	**0.00**	**0.31**	**0.01**	**0.32**	**0.01**	**0.01**	**0.02**		**232.57**		**0.01**		**232.86**

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	lb/day										lb/day					
Fugitive Dust					3.71	0.00	3.71	1.42	0.00	1.42						0.00
Off-Road	12.50	103.90	55.13	0.10		5.01	5.01		5.01	5.01	0.00	10,856.65		1.12		10,880.18
Total	**12.50**	**103.90**	**55.13**	**0.10**	**3.71**	**5.01**	**8.72**	**1.42**	**5.01**	**6.43**	**0.00**	**10,856.65**		**1.12**		**10,880.18**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.13	0.15	1.37	0.00	0.31	0.01	0.32	0.01	0.01	0.02		232.57		0.01		232.86
Total	**0.13**	**0.15**	**1.37**	**0.00**	**0.31**	**0.01**	**0.32**	**0.01**	**0.01**	**0.02**		**232.57**		**0.01**		**232.86**

3.4 Grading - 2013

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	lb/day										lb/day					
Fugitive Dust					8.67	0.00	8.67	3.31	0.00	3.31						0.00
Off-Road	11.85	97.47	52.85	0.10		4.59	4.59		4.59	4.59		10,856.66		1.06		10,878.90
Total	**11.85**	**97.47**	**52.85**	**0.10**	**8.67**	**4.59**	**13.26**	**3.31**	**4.59**	**7.90**		**10,856.66**		**1.06**		**10,878.90**

Moran Street Specific Plan

Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.13	0.13	1.26	0.00	0.31	0.01	0.32	0.01	0.01	0.02		227.57		0.01		227.84
Total	**0.13**	**0.13**	**1.26**	**0.00**	**0.31**	**0.01**	**0.32**	**0.01**	**0.01**	**0.02**		**227.57**		**0.01**		**227.84**

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	lb/day										lb/day					
Fugitive Dust					3.71	0.00	3.71	1.42	0.00	1.42						0.00
Off-Road	11.85	97.47	52.85	0.10		4.59	4.59		4.59	4.59	0.00	10,856.66		1.06		10,878.90
Total	**11.85**	**97.47**	**52.85**	**0.10**	**3.71**	**4.59**	**8.30**	**1.42**	**4.59**	**6.01**	**0.00**	**10,856.66**		**1.06**		**10,878.90**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.13	0.13	1.26	0.00	0.31	0.01	0.32	0.01	0.01	0.02		227.57		0.01		227.84
Total	**0.13**	**0.13**	**1.26**	**0.00**	**0.31**	**0.01**	**0.32**	**0.01**	**0.01**	**0.02**		**227.57**		**0.01**		**227.84**

3.5 Building Construction - 2012

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	lb/day										lb/day					
Off-Road	5.63	37.37	23.73	0.04		2.54	2.54		2.54	2.54		4,040.62		0.51		4,051.23
Total	**5.63**	**37.37**	**23.73**	**0.04**		**2.54**	**2.54**		**2.54**	**2.54**		**4,040.62**		**0.51**		**4,051.23**

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	lb/day										lb/day					
Hauling	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
Vendor	2.07	22.80	15.63	0.03	1.18	0.73	1.92	0.09	0.73	0.82		3,389.70		0.10		3,391.89
Worker	2.83	3.10	28.80	0.05	6.43	0.20	6.63	0.24	0.20	0.44		4,872.29		0.29		4,878.40
Total	**4.90**	**25.90**	**44.43**	**0.08**	**7.61**	**0.93**	**8.55**	**0.33**	**0.93**	**1.26**		**8,261.99**		**0.39**		**8,270.29**

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	lb/day										lb/day					
Off-Road	5.63	37.37	23.73	0.04		2.54	2.54		2.54	2.54	0.00	4,040.62		0.51		4,051.23
Total	**5.63**	**37.37**	**23.73**	**0.04**		**2.54**	**2.54**		**2.54**	**2.54**	**0.00**	**4,040.62**		**0.51**		**4,051.23**

Moran Street Specific Plan
Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	2.07	22.80	15.63	0.03	1.18	0.73	1.92	0.09	0.73	0.82		3,389.70		0.10		3,391.89
Worker	2.83	3.10	28.80	0.05	6.43	0.20	6.63	0.24	0.20	0.44		4,872.29		0.29		4,878.40
Total	**4.90**	**25.90**	**44.43**	**0.08**	**7.61**	**0.93**	**8.55**	**0.33**	**0.93**	**1.26**		**8,261.99**		**0.39**		**8,270.29**

3.5 Building Construction - 2013

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	lb/day										lb/day					
Off-Road	5.17	34.66	23.45	0.04		2.28	2.28		2.28	2.28		4,040.62		0.46		4,050.31
Total	**5.17**	**34.66**	**23.45**	**0.04**		**2.28**	**2.28**		**2.28**	**2.28**		**4,040.62**		**0.46**		**4,050.31**

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	lb/day										lb/day					
Hauling	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
Vendor	1.90	20.70	14.41	0.03	1.18	0.66	1.85	0.09	0.66	0.75		3,401.89		0.10		3,403.89
Worker	2.63	2.82	26.45	0.05	6.43	0.20	6.63	0.24	0.20	0.44		4,767.58		0.27		4,773.27
Total	**4.53**	**23.52**	**40.86**	**0.08**	**7.61**	**0.86**	**8.48**	**0.33**	**0.86**	**1.19**		**8,169.47**		**0.37**		**8,177.16**

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	lb/day										lb/day					
Off-Road	5.17	34.66	23.45	0.04		2.28	2.28		2.28	2.28	0.00	4,040.62		0.46		4,050.31
Total	**5.17**	**34.66**	**23.45**	**0.04**		**2.28**	**2.28**		**2.28**	**2.28**	**0.00**	**4,040.62**		**0.46**		**4,050.31**

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	lb/day										lb/day					
Hauling	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
Vendor	1.90	20.70	14.41	0.03	1.18	0.66	1.85	0.09	0.66	0.75		3,401.89		0.10		3,403.89
Worker	2.63	2.82	26.45	0.05	6.43	0.20	6.63	0.24	0.20	0.44		4,767.58		0.27		4,773.27
Total	**4.53**	**23.52**	**40.86**	**0.08**	**7.61**	**0.86**	**8.48**	**0.33**	**0.86**	**1.19**		**8,169.47**		**0.37**		**8,177.16**

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	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02		4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**		**4,040.61**		**0.42**		**4,049.51**

Moran Street Specific Plan
Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	1.74	18.69	13.28	0.03	1.18	0.59	1.78	0.09	0.59	0.68		3,413.64		0.09		3,415.47
Worker	2.46	2.57	24.42	0.05	6.43	0.20	6.63	0.24	0.20	0.44		4,674.84		0.25		4,680.15
Total	**4.20**	**21.26**	**37.70**	**0.08**	**7.61**	**0.79**	**8.41**	**0.33**	**0.79**	**1.12**		**8,088.48**		**0.34**		**8,095.62**

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	lb/day										lb/day					
Off-Road	4.74	32.06	23.20	0.04		2.02	2.02		2.02	2.02	0.00	4,040.61		0.42		4,049.51
Total	**4.74**	**32.06**	**23.20**	**0.04**		**2.02**	**2.02**		**2.02**	**2.02**	**0.00**	**4,040.61**		**0.42**		**4,049.51**

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	lb/day										lb/day					
Hauling	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
Vendor	1.74	18.69	13.28	0.03	1.18	0.59	1.78	0.09	0.59	0.68		3,413.64		0.09		3,415.47
Worker	2.46	2.57	24.42	0.05	6.43	0.20	6.63	0.24	0.20	0.44		4,674.84		0.25		4,680.15
Total	**4.20**	**21.26**	**37.70**	**0.08**	**7.61**	**0.79**	**8.41**	**0.33**	**0.79**	**1.12**		**8,088.48**		**0.34**		**8,095.62**

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	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80		4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**		**4,040.61**		**0.39**		**4,048.81**

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	lb/day										lb/day					
Hauling	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
Vendor	1.59	16.88	12.27	0.03	1.18	0.53	1.71	0.09	0.53	0.62		3,424.44		0.08		3,426.10
Worker	2.32	2.35	22.49	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,570.73		0.23		4,575.66
Total	**3.91**	**19.23**	**34.76**	**0.08**	**7.61**	**0.74**	**8.35**	**0.33**	**0.74**	**1.07**		**7,995.17**		**0.31**		**8,001.76**

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	lb/day										lb/day					
Off-Road	4.34	29.16	22.98	0.04		1.80	1.80		1.80	1.80	0.00	4,040.61		0.39		4,048.81
Total	**4.34**	**29.16**	**22.98**	**0.04**		**1.80**	**1.80**		**1.80**	**1.80**	**0.00**	**4,040.61**		**0.39**		**4,048.81**

Moran Street Specific Plan

Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	1.59	16.88	12.27	0.03	1.18	0.53	1.71	0.09	0.53	0.62		3,424.44		0.08		3,426.10
Worker	2.32	2.35	22.49	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,570.73		0.23		4,575.66
Total	**3.91**	**19.23**	**34.76**	**0.08**	**7.61**	**0.74**	**8.35**	**0.33**	**0.74**	**1.07**		**7,995.17**		**0.31**		**8,001.76**

3.5 Building Construction - 2016

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	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58		4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**		**4,040.61**		**0.36**		**4,048.10**

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	lb/day										lb/day					
Hauling	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
Vendor	1.46	15.44	11.44	0.03	1.18	0.48	1.66	0.09	0.48	0.57		3,429.91		0.07		3,431.44
Worker	2.19	2.15	20.74	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,443.66		0.22		4,448.24
Total	**3.65**	**17.59**	**32.18**	**0.08**	**7.61**	**0.69**	**8.30**	**0.33**	**0.69**	**1.02**		**7,873.57**		**0.29**		**7,879.68**

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	lb/day										lb/day					
Off-Road	3.99	26.52	22.80	0.04		1.58	1.58		1.58	1.58	0.00	4,040.61		0.36		4,048.10
Total	**3.99**	**26.52**	**22.80**	**0.04**		**1.58**	**1.58**		**1.58**	**1.58**	**0.00**	**4,040.61**		**0.36**		**4,048.10**

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	lb/day										lb/day					
Hauling	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
Vendor	1.46	15.44	11.44	0.03	1.18	0.48	1.66	0.09	0.48	0.57		3,429.91		0.07		3,431.44
Worker	2.19	2.15	20.74	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,443.66		0.22		4,448.24
Total	**3.65**	**17.59**	**32.18**	**0.08**	**7.61**	**0.69**	**8.30**	**0.33**	**0.69**	**1.02**		**7,873.57**		**0.29**		**7,879.68**

3.5 Building Construction - 2017

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	lb/day										lb/day					
Off-Road	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39		4,040.61		0.33		4,047.45
Total	**3.66**	**24.08**	**22.64**	**0.04**		**1.39**	**1.39**		**1.39**	**1.39**		**4,040.61**		**0.33**		**4,047.45**

Moran Street Specific Plan

Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	1.36	14.23	10.74	0.03	1.18	0.43	1.62	0.09	0.43	0.53		3,438.83		0.07		3,440.24
Worker	2.07	1.96	19.18	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,347.32		0.20		4,351.61
Total	**3.43**	**16.19**	**29.92**	**0.08**	**7.61**	**0.64**	**8.26**	**0.33**	**0.64**	**0.98**		**7,786.15**		**0.27**		**7,791.85**

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	lb/day										lb/day					
Off-Road	3.66	24.08	22.64	0.04		1.39	1.39		1.39	1.39	0.00	4,040.61		0.33		4,047.45
Total	**3.66**	**24.08**	**22.64**	**0.04**		**1.39**	**1.39**		**1.39**	**1.39**	**0.00**	**4,040.61**		**0.33**		**4,047.45**

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	lb/day										lb/day					
Hauling	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
Vendor	1.36	14.23	10.74	0.03	1.18	0.43	1.62	0.09	0.43	0.53		3,438.83		0.07		3,440.24
Worker	2.07	1.96	19.18	0.05	6.43	0.21	6.64	0.24	0.21	0.45		4,347.32		0.20		4,351.61
Total	**3.43**	**16.19**	**29.92**	**0.08**	**7.61**	**0.64**	**8.26**	**0.33**	**0.64**	**0.98**		**7,786.15**		**0.27**		**7,791.85**

3.5 Building Construction - 2018

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	lb/day										lb/day					
Off-Road	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20		4,040.62		0.30		4,046.87
Total	**3.34**	**21.78**	**22.50**	**0.04**		**1.20**	**1.20**		**1.20**	**1.20**		**4,040.62**		**0.30**		**4,046.87**

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	lb/day										lb/day					
Hauling	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
Vendor	1.27	13.20	10.08	0.03	1.18	0.40	1.58	0.03	0.37	0.40		3,447.33		0.06		3,448.64
Worker	1.97	1.80	17.76	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,255.80		0.19		4,259.79
Total	**3.24**	**15.00**	**27.84**	**0.08**	**7.61**	**0.61**	**8.22**	**0.12**	**0.56**	**0.68**		**7,703.13**		**0.25**		**7,708.43**

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	lb/day										lb/day					
Off-Road	3.34	21.78	22.50	0.04		1.20	1.20		1.20	1.20	0.00	4,040.62		0.30		4,046.87
Total	**3.34**	**21.78**	**22.50**	**0.04**		**1.20**	**1.20**		**1.20**	**1.20**	**0.00**	**4,040.62**		**0.30**		**4,046.87**

Moran Street Specific Plan
Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	1.27	13.20	10.08	0.03	1.18	0.40	1.58	0.03	0.37	0.40		3,447.33		0.06		3,448.64
Worker	1.97	1.80	17.76	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,255.80		0.19		4,259.79
Total	**3.24**	**15.00**	**27.84**	**0.08**	**7.61**	**0.61**	**8.22**	**0.12**	**0.56**	**0.68**		**7,703.13**		**0.25**		**7,708.43**

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	lb/day										lb/day					
Off-Road	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03		4,040.62		0.27		4,046.36
Total	**3.05**	**19.73**	**22.36**	**0.04**		**1.03**	**1.03**		**1.03**	**1.03**		**4,040.62**		**0.27**		**4,046.36**

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	lb/day										lb/day					
Hauling	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
Vendor	1.19	12.33	9.46	0.03	1.18	0.37	1.55	0.03	0.34	0.37		3,455.63		0.06		3,456.84
Worker	1.88	1.66	16.55	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,170.53		0.18		4,174.28
Total	**3.07**	**13.99**	**26.01**	**0.08**	**7.61**	**0.58**	**8.19**	**0.12**	**0.53**	**0.65**		**7,626.16**		**0.24**		**7,631.12**

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	lb/day										lb/day					
Off-Road	3.05	19.73	22.36	0.04		1.03	1.03		1.03	1.03	0.00	4,040.62		0.27		4,046.36
Total	**3.05**	**19.73**	**22.36**	**0.04**		**1.03**	**1.03**		**1.03**	**1.03**	**0.00**	**4,040.62**		**0.27**		**4,046.36**

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	lb/day										lb/day					
Hauling	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
Vendor	1.19	12.33	9.46	0.03	1.18	0.37	1.55	0.03	0.34	0.37		3,455.63		0.06		3,456.84
Worker	1.88	1.66	16.55	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,170.53		0.18		4,174.28
Total	**3.07**	**13.99**	**26.01**	**0.08**	**7.61**	**0.58**	**8.19**	**0.12**	**0.53**	**0.65**		**7,626.16**		**0.24**		**7,631.12**

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	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88		4,040.62		0.25		4,045.85
Total	**2.80**	**17.88**	**22.24**	**0.04**		**0.88**	**0.88**		**0.88**	**0.88**		**4,040.62**		**0.25**		**4,045.85**

Moran Street Specific Plan

Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	1.12	11.58	8.91	0.03	1.18	0.34	1.52	0.03	0.31	0.34		3,463.35		0.05		3,464.49
Worker	1.81	1.53	15.48	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,091.29		0.17		4,094.83
Total	**2.93**	**13.11**	**24.39**	**0.08**	**7.61**	**0.55**	**8.16**	**0.12**	**0.50**	**0.62**		**7,554.64**		**0.22**		**7,559.32**

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	lb/day										lb/day					
Off-Road	2.80	17.88	22.24	0.04		0.88	0.88		0.88	0.88	0.00	4,040.62		0.25		4,045.85
Total	**2.80**	**17.88**	**22.24**	**0.04**		**0.88**	**0.88**		**0.88**	**0.88**	**0.00**	**4,040.62**		**0.25**		**4,045.85**

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	lb/day										lb/day					
Hauling	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
Vendor	1.12	11.58	8.91	0.03	1.18	0.34	1.52	0.03	0.31	0.34		3,463.35		0.05		3,464.49
Worker	1.81	1.53	15.48	0.05	6.43	0.21	6.64	0.09	0.19	0.28		4,091.29		0.17		4,094.83
Total	**2.93**	**13.11**	**24.39**	**0.08**	**7.61**	**0.55**	**8.16**	**0.12**	**0.50**	**0.62**		**7,554.64**		**0.22**		**7,559.32**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.56	16.08	22.10	0.04		0.74	0.74		0.74	0.74		4,040.61		0.23		4,045.38
Total	**2.56**	**16.08**	**22.10**	**0.04**		**0.74**	**0.74**		**0.74**	**0.74**		**4,040.61**		**0.23**		**4,045.38**

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	lb/day										lb/day					
Hauling	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
Vendor	1.06	10.94	8.46	0.03	1.18	0.31	1.50	0.03	0.29	0.32		3,470.55		0.05		3,471.62
Worker	1.74	1.42	14.59	0.05	6.43	0.21	6.64	0.09	0.20	0.28		4,029.61		0.16		4,032.98
Total	**2.80**	**12.36**	**23.05**	**0.08**	**7.61**	**0.52**	**8.14**	**0.12**	**0.49**	**0.60**		**7,500.16**		**0.21**		**7,504.60**

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	lb/day										lb/day					
Off-Road	2.56	16.08	22.10	0.04		0.74	0.74		0.74	0.74	0.00	4,040.61		0.23		4,045.38
Total	**2.56**	**16.08**	**22.10**	**0.04**		**0.74**	**0.74**		**0.74**	**0.74**	**0.00**	**4,040.61**		**0.23**		**4,045.38**

Moran Street Specific Plan
Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	1.06	10.94	8.46	0.03	1.18	0.31	1.50	0.03	0.29	0.32		3,470.55		0.05		3,471.62
Worker	1.74	1.42	14.59	0.05	6.43	0.21	6.64	0.09	0.20	0.28		4,029.61		0.16		4,032.98
Total	**2.80**	**12.36**	**23.05**	**0.08**	**7.61**	**0.52**	**8.14**	**0.12**	**0.49**	**0.60**		**7,500.16**		**0.21**		**7,504.60**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.38	14.57	22.04	0.04		0.62	0.62		0.62	0.62		4,040.61		0.21		4,045.05
Total	**2.38**	**14.57**	**22.04**	**0.04**		**0.62**	**0.62**		**0.62**	**0.62**		**4,040.61**		**0.21**		**4,045.05**

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	lb/day										lb/day					
Hauling	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
Vendor	1.00	10.40	8.05	0.03	1.18	0.29	1.48	0.03	0.27	0.30		3,477.54		0.05		3,478.55
Worker	1.68	1.32	13.73	0.05	6.43	0.21	6.64	0.09	0.20	0.28		3,963.27		0.15		3,966.46
Total	**2.68**	**11.72**	**21.78**	**0.08**	**7.61**	**0.50**	**8.12**	**0.12**	**0.47**	**0.58**		**7,440.81**		**0.20**		**7,445.01**

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	lb/day										lb/day					
Off-Road	2.38	14.57	22.04	0.04		0.62	0.62		0.62	0.62	0.00	4,040.61		0.21		4,045.05
Total	**2.38**	**14.57**	**22.04**	**0.04**		**0.62**	**0.62**		**0.62**	**0.62**	**0.00**	**4,040.61**		**0.21**		**4,045.05**

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	lb/day										lb/day					
Hauling	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
Vendor	1.00	10.40	8.05	0.03	1.18	0.29	1.48	0.03	0.27	0.30		3,477.54		0.05		3,478.55
Worker	1.68	1.32	13.73	0.05	6.43	0.21	6.64	0.09	0.20	0.28		3,963.27		0.15		3,966.46
Total	**2.68**	**11.72**	**21.78**	**0.08**	**7.61**	**0.50**	**8.12**	**0.12**	**0.47**	**0.58**		**7,440.81**		**0.20**		**7,445.01**

3.5 Building Construction - 2023

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	lb/day										lb/day					
Off-Road	2.23	13.23	21.99	0.04		0.52	0.52		0.52	0.52		4,040.61		0.20		4,044.79
Total	**2.23**	**13.23**	**21.99**	**0.04**		**0.52**	**0.52**		**0.52**	**0.52**		**4,040.61**		**0.20**		**4,044.79**

Moran Street Specific Plan

Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	0.96	9.94	7.71	0.03	1.18	0.28	1.46	0.03	0.25	0.28		3,484.31		0.05		3,485.27
Worker	1.62	1.23	12.94	0.05	6.43	0.21	6.64	0.09	0.20	0.28		3,901.85		0.14		3,904.87
Total	**2.58**	**11.17**	**20.65**	**0.08**	**7.61**	**0.49**	**8.10**	**0.12**	**0.45**	**0.56**		**7,386.16**		**0.19**		**7,390.14**

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	lb/day										lb/day					
Off-Road	2.23	13.23	21.99	0.04		0.52	0.52		0.52	0.52	0.00	4,040.61		0.20		4,044.79
Total	**2.23**	**13.23**	**21.99**	**0.04**		**0.52**	**0.52**		**0.52**	**0.52**	**0.00**	**4,040.61**		**0.20**		**4,044.79**

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	lb/day										lb/day					
Hauling	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
Vendor	0.96	9.94	7.71	0.03	1.18	0.28	1.46	0.03	0.25	0.28		3,484.31		0.05		3,485.27
Worker	1.62	1.23	12.94	0.05	6.43	0.21	6.64	0.09	0.20	0.28		3,901.85		0.14		3,904.87
Total	**2.58**	**11.17**	**20.65**	**0.08**	**7.61**	**0.49**	**8.10**	**0.12**	**0.45**	**0.56**		**7,386.16**		**0.19**		**7,390.14**

3.6 Paving - 2012

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	lb/day										lb/day					
Off-Road	5.86	35.62	21.08	0.03		3.13	3.13		3.13	3.13		2,917.64		0.53		2,928.70
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**5.86**	**35.62**	**21.08**	**0.03**		**3.13**	**3.13**		**3.13**	**3.13**		**2,917.64**		**0.53**		**2,928.70**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.10	0.11	1.03	0.00	0.23	0.01	0.24	0.01	0.01	0.02		174.43		0.01		174.64
Total	**0.10**	**0.11**	**1.03**	**0.00**	**0.23**	**0.01**	**0.24**	**0.01**	**0.01**	**0.02**		**174.43**		**0.01**		**174.64**

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	lb/day										lb/day					
Off-Road	5.86	35.62	21.08	0.03		3.13	3.13		3.13	3.13	0.00	2,917.64		0.53		2,928.70
Paving	0.00					0.00	0.00		0.00	0.00						0.00
Total	**5.86**	**35.62**	**21.08**	**0.03**		**3.13**	**3.13**		**3.13**	**3.13**	**0.00**	**2,917.64**		**0.53**		**2,928.70**

Moran Street Specific Plan
Orange County, Winter

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.10	0.11	1.03	0.00	0.23	0.01	0.24	0.01	0.01	0.02		174.43		0.01		174.64
Total	**0.10**	**0.11**	**1.03**	**0.00**	**0.23**	**0.01**	**0.24**	**0.01**	**0.01**	**0.02**		**174.43**		**0.01**		**174.64**

3.7 Architectural Coating - 2012

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	lb/day										lb/day					
Archit. Coating	73.85					0.00	0.00		0.00	0.00						0.00
Off-Road	0.52	3.16	1.96	0.00		0.29	0.29		0.29	0.29		281.19		0.05		282.18
Total	**74.37**	**3.16**	**1.96**	**0.00**		**0.29**	**0.29**		**0.29**	**0.29**		**281.19**		**0.05**		**282.18**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.57	0.62	5.77	0.01	1.29	0.04	1.33	0.05	0.04	0.09		976.78		0.06		978.01
Total	**0.57**	**0.62**	**5.77**	**0.01**	**1.29**	**0.04**	**1.33**	**0.05**	**0.04**	**0.09**		**976.78**		**0.06**		**978.01**

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	lb/day										lb/day					
Archit. Coating	73.85					0.00	0.00		0.00	0.00						0.00
Off-Road	0.52	3.16	1.96	0.00		0.29	0.29		0.29	0.29	0.00	281.19		0.05		282.18
Total	**74.37**	**3.16**	**1.96**	**0.00**		**0.29**	**0.29**		**0.29**	**0.29**	**0.00**	**281.19**		**0.05**		**282.18**

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	lb/day										lb/day					
Hauling	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
Vendor	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
Worker	0.57	0.62	5.77	0.01	1.29	0.04	1.33	0.05	0.04	0.09		976.78		0.06		978.01
Total	**0.57**	**0.62**	**5.77**	**0.01**	**1.29**	**0.04**	**1.33**	**0.05**	**0.04**	**0.09**		**976.78**		**0.06**		**978.01**

Moran Street Specific Plan

Orange County, Winter

4.0 Mobile Detail

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	lb/day										lb/day					
Mitigated	43.28	68.85	314.70	1.17	138.93	5.65	144.58	1.93	4.88	6.82		89,482.97		2.68		89,539.31
Unmitigated	43.28	68.85	314.70	1.17	138.93	5.65	144.58	1.93	4.88	6.82		89,482.97		2.68		89,539.31
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	668.15	652.05	652.05	2,210,003	2,210,003
General Office Building	401.66	86.40	86.40	995,055	995,055
High Turnover (Sit Down Restaurant)	3,274.20	4,078.82	4078.82	6,378,851	6,378,851
Hotel	213.60	1,008.00	1008.00	1,226,598	1,226,598
Parking Structure	0.00	0.00	0.00		
Place of Worship	530.00	1,060.00	1060.00	2,268,825	2,268,825
Quality Restaurant	2,900.23	3,041.48	3041.48	5,347,232	5,347,232
Regional Shopping Center	3,728.35	4,339.43	4339.43	10,233,493	10,233,493
Condo/Townhouse High Rise	501.12	361.44	361.44	1,536,099	1,536,099
Strip Mall	2,675.93	2,538.15	2538.15	6,057,428	6,057,428
Total	14,893.24	17,165.76	17,165.76	36,253,584	36,253,584

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Condo/Townhouse	12.70	7.00	9.50	40.20	19.20	40.60
General Office Building	8.90	13.30	7.40	33.00	48.00	19.00
High Turnover (Sit Down Restaurant)	8.90	13.30	7.40	8.50	72.50	19.00
Hotel	8.90	13.30	7.40	19.40	61.60	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Place of Worship	8.90	13.30	7.40	0.00	95.00	5.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Regional Shopping Center	8.90	13.30	7.40	16.30	64.70	19.00
Condo/Townhouse High Rise	12.70	7.00	9.50	40.20	19.20	40.60
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

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	lb/day										lb/day					
NaturalGas Mitigated	1.02	9.15	6.99	0.06		0.00	0.70		0.00	0.70		11,103.50		0.21	0.20	11,171.08
NaturalGas Unmitigated	1.02	9.15	6.99	0.06		0.00	0.70		0.00	0.70		11,103.50		0.21	0.20	11,171.08
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Moran Street Specific Plan

Orange County, Winter

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	lb/day										lb/day					
Condo/Townhouse	8072.46	0.09	0.74	0.32	0.00		0.00	0.06		0.00	0.06		949.70		0.02	0.02	955.48
Condo/Townhouse High Rise	10108.1	0.11	0.93	0.40	0.01		0.00	0.08		0.00	0.08		1,189.19		0.02	0.02	1,196.43
General Office Building	1008.92	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		118.70		0.00	0.00	119.42
High Turnover (Sit Down Restaurant)	23946.9	0.26	2.35	1.97	0.01		0.00	0.18		0.00	0.18		2,817.28		0.05	0.05	2,834.42
Hotel	17075.5	0.18	1.67	1.41	0.01		0.00	0.13		0.00	0.13		2,008.88		0.04	0.04	2,021.11
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Place of Worship	2994.33	0.03	0.29	0.25	0.00		0.00	0.02		0.00	0.02		352.27		0.01	0.01	354.42
Quality Restaurant	30160.9	0.33	2.96	2.48	0.02		0.00	0.22		0.00	0.22		3,548.34		0.07	0.07	3,569.94
Regional Shopping Center	609.608	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00		71.72		0.00	0.00	72.16
Strip Mall	403.036	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00		47.42		0.00	0.00	47.70
Total		**1.02**	**9.14**	**6.99**	**0.05**		**0.00**	**0.70**		**0.00**	**0.70**		**11,103.50**		**0.21**	**0.21**	**11,171.08**

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	lb/day										lb/day					
Condo/Townhouse	8.07246	0.09	0.74	0.32	0.00		0.00	0.06		0.00	0.06		949.70		0.02	0.02	955.48
Condo/Townhouse High Rise	10.1081	0.11	0.93	0.40	0.01		0.00	0.08		0.00	0.08		1,189.19		0.02	0.02	1,196.43
General Office Building	1.00892	0.01	0.10	0.08	0.00		0.00	0.01		0.00	0.01		118.70		0.00	0.00	119.42
High Turnover (Sit Down Restaurant)	23.9469	0.26	2.35	1.97	0.01		0.00	0.18		0.00	0.18		2,817.28		0.05	0.05	2,834.42
Hotel	17.0755	0.18	1.67	1.41	0.01		0.00	0.13		0.00	0.13		2,008.88		0.04	0.04	2,021.11
Parking Structure	0	0.00	0.00	0.00	0.00		0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00
Place of Worship	2.99433	0.03	0.29	0.25	0.00		0.00	0.02		0.00	0.02		352.27		0.01	0.01	354.42
Quality Restaurant	30.1609	0.33	2.96	2.48	0.02		0.00	0.22		0.00	0.22		3,548.34		0.07	0.07	3,569.94
Regional Shopping Center	0.609608	0.01	0.06	0.05	0.00		0.00	0.00		0.00	0.00		71.72		0.00	0.00	72.16
Strip Mall	0.403036	0.00	0.04	0.03	0.00		0.00	0.00		0.00	0.00		47.42		0.00	0.00	47.70
Total		**1.02**	**9.14**	**6.99**	**0.05**		**0.00**	**0.70**		**0.00**	**0.70**		**11,103.50**		**0.21**	**0.21**	**11,171.08**

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	lb/day										lb/day					
Mitigated	22.64	0.25	21.59	0.00		0.00	0.47		0.00	0.46	0.00	5,523.65		0.14	0.10	5,557.81
Unmitigated	22.64	0.25	21.59	0.00		0.00	0.47		0.00	0.46	0.00	5,523.65		0.14	0.10	5,557.81
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Moran Street Specific Plan
Orange County, Winter

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	lb/day										lb/day					
Architectural Coating	4.39					0.00	0.00		0.00	0.00						0.00
Consumer Products	17.10					0.00	0.00		0.00	0.00						0.00
Hearth	0.50	0.00	0.03	0.00		0.00	0.35		0.00	0.34	0.00	5,484.71		0.11	0.10	5,518.08
Landscaping	0.64	0.25	21.56	0.00		0.00	0.12		0.00	0.12		38.94		0.04		39.72
Total	**22.63**	**0.25**	**21.59**	**0.00**		**0.00**	**0.47**		**0.00**	**0.46**	**0.00**	**5,523.65**		**0.15**	**0.10**	**5,557.80**

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	lb/day										lb/day					
Architectural Coating	4.39					0.00	0.00		0.00	0.00						0.00
Consumer Products	17.10					0.00	0.00		0.00	0.00						0.00
Hearth	0.50	0.00	0.03	0.00		0.00	0.35		0.00	0.34	0.00	5,484.71		0.11	0.10	5,518.08
Landscaping	0.64	0.25	21.56	0.00		0.00	0.12		0.00	0.12		38.94		0.04		39.72
Total	**22.63**	**0.25**	**21.59**	**0.00**		**0.00**	**0.47**		**0.00**	**0.46**	**0.00**	**5,523.65**		**0.15**	**0.10**	**5,557.80**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet
Install Low Flow Kitchen Faucet
Install Low Flow Toilet
Install Low Flow Shower
Use Water Efficient Irrigation System

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Vegetation

Moran Street Specific Plan

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Office Building	38.4	1000sqft
Place of Worship	1000	Seat
Parking Structure	215.76	1000sqft
High Turnover (Sit Down Restaurant)	33.18	1000sqft
Hotel	120	Room
Quality Restaurant	41.79	1000sqft
Condo/Townhouse	115	Dwelling Unit
Condo/Townhouse High Rise	144	Dwelling Unit
Regional Shopping Center	108.54	1000sqft
Strip Mall	71.76	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**		**Utility Company**	Southern California Edison
Climate Zone	8		2.2		
		Precipitation Freq (Days)			
			30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Population based on DOF (2009) of 3.4 persons per household in Westminster.

Construction Phase - Worst-Case construction schedule. Assumes all phases could overlap. Based on an interpolation of the CalEEMod defaults for a 15-year project timeline (since phasing is assumed to overlap, total time appears shorter)

Demolition - Based on demolition of existing auto-related structures and other miscellaneous structures.

Grading - Based on one-level of subterranean parking for an approximately 310 feet x 174 feet wide structure with a 13-foot height.

Vehicle Trips - KOA Traffic Report

Woodstoves - No woodburning devices in accordance with SCAQMD Rule 445.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403, based on efficiencies report by SCAQMD.

Water Mitigation - Indoor and outdoor water use efficiencies required under the 2010 California Green Building Code.

Off-road Equipment -

Trips and VMT -

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					
2012	13.41	39.30	27.56	0.05	8.28	2.15	10.44	1.18	2.15	3.33	0.00	4,472.71	4,472.71	0.44	0.00	4,481.85
2013	1.44	9.10	9.38	0.02	2.19	0.49	2.68	0.58	0.49	1.07	0.00	1,635.36	1,635.36	0.12	0.00	1,637.78
2014	1.14	6.78	7.98	0.02	0.90	0.37	1.27	0.04	0.37	0.41	0.00	1,449.59	1,449.59	0.09	0.00	1,451.49
2015	1.05	6.16	7.56	0.02	0.90	0.33	1.23	0.04	0.33	0.37	0.00	1,438.34	1,438.34	0.08	0.00	1,440.10
2016	0.97	5.62	7.19	0.02	0.90	0.30	1.20	0.04	0.30	0.34	0.00	1,423.68	1,423.68	0.08	0.00	1,425.29
2017	0.90	5.12	6.84	0.02	0.90	0.26	1.16	0.04	0.26	0.31	0.00	1,407.73	1,407.73	0.07	0.00	1,409.21
2018	0.83	4.70	6.57	0.02	0.90	0.24	1.14	0.02	0.23	0.24	0.00	1,403.15	1,403.15	0.07	0.00	1,404.52
2019	0.77	4.31	6.31	0.02	0.90	0.21	1.11	0.02	0.20	0.22	0.00	1,393.90	1,393.90	0.06	0.00	1,395.17
2020	0.73	3.98	6.10	0.02	0.90	0.19	1.09	0.02	0.18	0.20	0.00	1,390.61	1,390.61	0.06	0.00	1,391.79
2021	0.68	3.64	5.88	0.02	0.90	0.16	1.06	0.02	0.16	0.17	0.00	1,378.75	1,378.75	0.05	0.00	1,379.84
2022	0.64	3.36	5.68	0.02	0.90	0.15	1.04	0.02	0.14	0.16	0.00	1,366.37	1,366.37	0.05	0.00	1,367.39
2023	0.12	0.61	1.08	0.00	0.18	0.03	0.20	0.00	0.02	0.03	0.00	266.74	266.74	0.01	0.00	266.93
Total	**22.68**	**92.68**	**98.13**	**0.25**	**18.75**	**4.88**	**23.62**	**2.02**	**4.83**	**6.85**	**0.00**	**19,026.93**	**19,026.93**	**1.18**	**0.00**	**19,051.36**

Moran Street Specific Plan

Orange County, Annual

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					
2012	13.41	39.30	27.56	0.05	6.92	2.15	9.07	0.54	2.15	2.69	0.00	4,472.71	4,472.71	0.44	0.00	4,481.85
2013	1.44	9.10	9.38	0.02	1.45	0.49	1.94	0.27	0.49	0.76	0.00	1,635.36	1,635.36	0.12	0.00	1,637.78
2014	1.14	6.78	7.98	0.02	0.90	0.37	1.27	0.04	0.37	0.41	0.00	1,449.59	1,449.59	0.09	0.00	1,451.49
2015	1.05	6.16	7.56	0.02	0.90	0.33	1.23	0.04	0.33	0.37	0.00	1,438.34	1,438.34	0.08	0.00	1,440.10
2016	0.97	5.62	7.19	0.02	0.90	0.30	1.20	0.04	0.30	0.34	0.00	1,423.68	1,423.68	0.08	0.00	1,425.29
2017	0.90	5.12	6.84	0.02	0.90	0.26	1.16	0.04	0.26	0.31	0.00	1,407.73	1,407.73	0.07	0.00	1,409.21
2018	0.83	4.70	6.57	0.02	0.90	0.24	1.14	0.02	0.23	0.24	0.00	1,403.15	1,403.15	0.07	0.00	1,404.52
2019	0.77	4.31	6.31	0.02	0.90	0.21	1.11	0.02	0.20	0.22	0.00	1,393.90	1,393.90	0.06	0.00	1,395.17
2020	0.73	3.98	6.10	0.02	0.90	0.19	1.09	0.02	0.18	0.20	0.00	1,390.61	1,390.61	0.06	0.00	1,391.79
2021	0.68	3.64	5.88	0.02	0.90	0.16	1.06	0.02	0.16	0.17	0.00	1,378.75	1,378.75	0.05	0.00	1,379.84
2022	0.64	3.36	5.68	0.02	0.90	0.15	1.04	0.02	0.14	0.16	0.00	1,366.37	1,366.37	0.05	0.00	1,367.39
2023	0.12	0.61	1.08	0.00	0.18	0.03	0.20	0.00	0.02	0.03	0.00	266.74	266.74	0.01	0.00	266.93
Total	**22.68**	**92.68**	**98.13**	**0.25**	**16.65**	**4.88**	**21.51**	**1.07**	**4.83**	**5.90**	**0.00**	**19,026.93**	**19,026.93**	**1.18**	**0.00**	**19,051.36**

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	4.06	0.05	3.93	0.00		0.00	0.03		0.00	0.03	0.00	193.03	193.03	0.01	0.00	194.29
Energy	0.19	1.67	1.28	0.01		0.00	0.13		0.00	0.13	0.00	4,507.77	4,507.77	0.16	0.08	4,535.69
Mobile	6.45	10.43	50.05	0.19	19.75	0.89	20.64	0.30	0.77	1.07	0.00	12,996.32	12,996.32	0.39	0.00	13,004.44
Waste						0.00	0.00		0.00	0.00	1,998.01	0.00	1,998.01	118.08	0.00	4,477.66
Water						0.00	0.00		0.00	0.00	0.00	332.89	332.89	1.98	0.05	391.40
Total	**10.70**	**12.15**	**55.26**	**0.20**	**19.75**	**0.89**	**20.80**	**0.30**	**0.77**	**1.23**	**1,998.01**	**18,030.01**	**20,028.02**	**120.62**	**0.13**	**22,603.48**

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	4.06	0.05	3.93	0.00		0.00	0.03		0.00	0.03	0.00	193.03	193.03	0.01	0.00	194.29
Energy	0.19	1.67	1.28	0.01		0.00	0.13		0.00	0.13	0.00	4,507.77	4,507.77	0.16	0.08	4,535.69
Mobile	6.45	10.43	50.05	0.19	19.75	0.89	20.64	0.30	0.77	1.07	0.00	12,996.32	12,996.32	0.39	0.00	13,004.44
Waste						0.00	0.00		0.00	0.00	1,998.01	0.00	1,998.01	118.08	0.00	4,477.66
Water						0.00	0.00		0.00	0.00	0.00	278.56	278.56	1.59	0.04	325.44
Total	**10.70**	**12.15**	**55.26**	**0.20**	**19.75**	**0.89**	**20.80**	**0.30**	**0.77**	**1.23**	**1,998.01**	**17,975.68**	**19,973.69**	**120.23**	**0.12**	**22,537.52**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

Moran Street Specific Plan

Orange County, Annual

3.2 Demolition - 2012

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					0.04	0.00	0.04	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.92	7.40	4.35	0.01		0.37	0.37		0.37	0.37	0.00	670.97	670.97	0.07	0.00	672.53
Total	**0.92**	**7.40**	**4.35**	**0.01**	**0.04**	**0.37**	**0.41**	**0.01**	**0.37**	**0.38**	**0.00**	**670.97**	**670.97**	**0.07**	**0.00**	**672.53**

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	0.01	0.10	0.06	0.00	0.75	0.00	0.76	0.00	0.00	0.00	0.00	13.33	13.33	0.00	0.00	13.34
Vendor	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
Worker	0.01	0.01	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.93	15.93	0.00	0.00	15.95
Total	**0.02**	**0.11**	**0.16**	**0.00**	**0.77**	**0.00**	**0.78**	**0.00**	**0.00**	**0.00**	**0.00**	**29.26**	**29.26**	**0.00**	**0.00**	**29.29**

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					0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.92	7.40	4.35	0.01		0.37	0.37		0.37	0.37	0.00	670.97	670.97	0.07	0.00	672.53
Total	**0.92**	**7.40**	**4.35**	**0.01**	**0.02**	**0.37**	**0.39**	**0.00**	**0.37**	**0.37**	**0.00**	**670.97**	**670.97**	**0.07**	**0.00**	**672.53**

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	0.01	0.10	0.06	0.00	0.75	0.00	0.76	0.00	0.00	0.00	0.00	13.33	13.33	0.00	0.00	13.34
Vendor	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
Worker	0.01	0.01	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.93	15.93	0.00	0.00	15.95
Total	**0.02**	**0.11**	**0.16**	**0.00**	**0.77**	**0.00**	**0.78**	**0.00**	**0.00**	**0.00**	**0.00**	**29.26**	**29.26**	**0.00**	**0.00**	**29.29**

3.3 Site Preparation - 2012

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					1.07	0.00	1.07	0.59	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.62	5.00	2.82	0.00		0.25	0.25		0.25	0.25	0.00	427.95	427.95	0.05	0.00	429.00
Total	**0.62**	**5.00**	**2.82**	**0.00**	**1.07**	**0.25**	**1.32**	**0.59**	**0.25**	**0.84**	**0.00**	**427.95**	**427.95**	**0.05**	**0.00**	**429.00**

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	0.09	0.90	0.58	0.00	4.02	0.04	4.06	0.00	0.04	0.04	0.00	118.86	118.86	0.00	0.00	118.94
Vendor	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
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	11.45	11.45	0.00	0.00	11.47
Total	**0.10**	**0.91**	**0.65**	**0.00**	**4.03**	**0.04**	**4.08**	**0.00**	**0.04**	**0.04**	**0.00**	**130.31**	**130.31**	**0.00**	**0.00**	**130.41**

Moran Street Specific Plan

Orange County, Annual

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					0.46	0.00	0.46	0.25	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.62	5.00	2.82	0.00		0.25	0.25		0.25	0.25	0.00	427.95	427.95	0.05	0.00	429.00
Total	**0.62**	**5.00**	**2.82**	**0.00**	**0.46**	**0.25**	**0.71**	**0.25**	**0.25**	**0.50**	**0.00**	**427.95**	**427.95**	**0.05**	**0.00**	**429.00**

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	0.09	0.90	0.58	0.00	4.02	0.04	4.06	0.00	0.04	0.04	0.00	118.86	118.86	0.00	0.00	118.94
Vendor	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
Worker	0.01	0.01	0.07	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	11.45	11.45	0.00	0.00	11.47
Total	**0.10**	**0.91**	**0.65**	**0.00**	**4.03**	**0.04**	**4.08**	**0.00**	**0.04**	**0.04**	**0.00**	**130.31**	**130.31**	**0.00**	**0.00**	**130.41**

3.4 Grading - 2012

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					1.28	0.00	1.28	0.53	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.63	13.55	7.19	0.01		0.65	0.65		0.65	0.65	0.00	1,284.94	1,284.94	0.13	0.00	1,287.73
Total	**1.63**	**13.55**	**7.19**	**0.01**	**1.28**	**0.65**	**1.93**	**0.53**	**0.65**	**1.18**	**0.00**	**1,284.94**	**1,284.94**	**0.13**	**0.00**	**1,287.73**

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	0.00	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
Vendor	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
Worker	0.02	0.02	0.18	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	28.15	28.15	0.00	0.00	28.18
Total	**0.02**	**0.02**	**0.18**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**28.15**	**28.15**	**0.00**	**0.00**	**28.18**

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					0.55	0.00	0.55	0.23	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.63	13.55	7.19	0.01		0.65	0.65		0.65	0.65	0.00	1,284.94	1,284.94	0.13	0.00	1,287.73
Total	**1.63**	**13.55**	**7.19**	**0.01**	**0.55**	**0.65**	**1.20**	**0.23**	**0.65**	**0.88**	**0.00**	**1,284.94**	**1,284.94**	**0.13**	**0.00**	**1,287.73**

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	0.00	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
Vendor	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
Worker	0.02	0.02	0.18	0.00	0.04	0.00	0.04	0.00	0.00	0.00	0.00	28.15	28.15	0.00	0.00	28.18
Total	**0.02**	**0.02**	**0.18**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**	**0.00**	**0.00**	**28.15**	**28.15**	**0.00**	**0.00**	**28.18**

Moran Street Specific Plan

Orange County, Annual

3.4 Grading - 2013

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					1.28	0.00	1.28	0.53	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.21	1.71	0.92	0.00		0.08	0.08		0.08	0.08	0.00	172.31	172.31	0.02	0.00	172.66
Total	**0.21**	**1.71**	**0.92**	**0.00**	**1.28**	**0.08**	**1.36**	**0.53**	**0.08**	**0.61**	**0.00**	**172.31**	**172.31**	**0.02**	**0.00**	**172.66**

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	3.69	3.69	0.00	0.00	3.70
Total	**0.00**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**3.69**	**3.69**	**0.00**	**0.00**	**3.70**

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					0.55	0.00	0.55	0.23	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.21	1.71	0.92	0.00		0.08	0.08		0.08	0.08	0.00	172.31	172.31	0.02	0.00	172.66
Total	**0.21**	**1.71**	**0.92**	**0.00**	**0.55**	**0.08**	**0.63**	**0.23**	**0.08**	**0.31**	**0.00**	**172.31**	**172.31**	**0.02**	**0.00**	**172.66**

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	3.69	3.69	0.00	0.00	3.70
Total	**0.00**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**3.69**	**3.69**	**0.00**	**0.00**	**3.70**

3.5 Building Construction - 2012

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	0.73	4.87	3.10	0.01		0.33	0.33		0.33	0.33	0.00	478.23	478.23	0.06	0.00	479.48
Total	**0.73**	**4.87**	**3.10**	**0.01**		**0.33**	**0.33**		**0.33**	**0.33**	**0.00**	**478.23**	**478.23**	**0.06**	**0.00**	**479.48**

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	0.00	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
Vendor	0.27	2.79	2.00	0.00	0.14	0.09	0.24	0.01	0.09	0.11	0.00	402.60	402.60	0.01	0.00	402.86
Worker	0.34	0.36	3.85	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	589.69	589.69	0.04	0.00	590.42
Total	**0.61**	**3.15**	**5.85**	**0.01**	**0.90**	**0.12**	**1.03**	**0.04**	**0.12**	**0.17**	**0.00**	**992.29**	**992.29**	**0.05**	**0.00**	**993.28**

Moran Street Specific Plan
Orange County, Annual

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	0.73	4.87	3.10	0.01		0.33	0.33		0.33	0.33	0.00	478.23	478.23	0.06	0.00	479.48
Total	**0.73**	**4.87**	**3.10**	**0.01**		**0.33**	**0.33**		**0.33**	**0.33**	**0.00**	**478.23**	**478.23**	**0.06**	**0.00**	**479.48**

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	0.00	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
Vendor	0.27	2.79	2.00	0.00	0.14	0.09	0.24	0.01	0.09	0.11	0.00	402.60	402.60	0.01	0.00	402.86
Worker	0.34	0.36	3.85	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	589.69	589.69	0.04	0.00	590.42
Total	**0.61**	**3.15**	**5.85**	**0.01**	**0.90**	**0.12**	**1.03**	**0.04**	**0.12**	**0.17**	**0.00**	**992.29**	**992.29**	**0.05**	**0.00**	**993.28**

3.5 Building Construction - 2013

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	0.67	4.52	3.06	0.01		0.30	0.30		0.30	0.30	0.00	478.23	478.23	0.05	0.00	479.38
Total	**0.67**	**4.52**	**3.06**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.38**

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	0.00	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
Vendor	0.24	2.54	1.84	0.00	0.14	0.09	0.23	0.01	0.09	0.10	0.00	404.10	404.10	0.01	0.00	404.34
Worker	0.32	0.33	3.53	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	577.03	577.03	0.03	0.00	577.71
Total	**0.56**	**2.87**	**5.37**	**0.01**	**0.90**	**0.12**	**1.02**	**0.04**	**0.12**	**0.16**	**0.00**	**981.13**	**981.13**	**0.04**	**0.00**	**982.05**

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	0.67	4.52	3.06	0.01		0.30	0.30		0.30	0.30	0.00	478.23	478.23	0.05	0.00	479.38
Total	**0.67**	**4.52**	**3.06**	**0.01**		**0.30**	**0.30**		**0.30**	**0.30**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.38**

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	0.00	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
Vendor	0.24	2.54	1.84	0.00	0.14	0.09	0.23	0.01	0.09	0.10	0.00	404.10	404.10	0.01	0.00	404.34
Worker	0.32	0.33	3.53	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	577.03	577.03	0.03	0.00	577.71
Total	**0.56**	**2.87**	**5.37**	**0.01**	**0.90**	**0.12**	**1.02**	**0.04**	**0.12**	**0.16**	**0.00**	**981.13**	**981.13**	**0.04**	**0.00**	**982.05**

Moran Street Specific Plan

Orange County, Annual

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	0.62	4.18	3.03	0.01		0.26	0.26		0.26	0.26	0.00	478.23	478.23	0.05	0.00	479.28
Total	**0.62**	**4.18**	**3.03**	**0.01**		**0.26**	**0.26**		**0.26**	**0.26**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.28**

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	0.00	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
Vendor	0.22	2.30	1.69	0.00	0.14	0.08	0.22	0.01	0.08	0.09	0.00	405.55	405.55	0.01	0.00	405.76
Worker	0.30	0.30	3.26	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	565.81	565.81	0.03	0.00	566.45
Total	**0.52**	**2.60**	**4.95**	**0.01**	**0.90**	**0.11**	**1.01**	**0.04**	**0.11**	**0.15**	**0.00**	**971.36**	**971.36**	**0.04**	**0.00**	**972.21**

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	0.62	4.18	3.03	0.01		0.26	0.26		0.26	0.26	0.00	478.23	478.23	0.05	0.00	479.28
Total	**0.62**	**4.18**	**3.03**	**0.01**		**0.26**	**0.26**		**0.26**	**0.26**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.28**

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	0.00	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
Vendor	0.22	2.30	1.69	0.00	0.14	0.08	0.22	0.01	0.08	0.09	0.00	405.55	405.55	0.01	0.00	405.76
Worker	0.30	0.30	3.26	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	565.81	565.81	0.03	0.00	566.45
Total	**0.52**	**2.60**	**4.95**	**0.01**	**0.90**	**0.11**	**1.01**	**0.04**	**0.11**	**0.15**	**0.00**	**971.36**	**971.36**	**0.04**	**0.00**	**972.21**

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	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	**0.57**	**3.80**	**3.00**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.20**

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	0.00	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
Vendor	0.20	2.08	1.55	0.00	0.14	0.07	0.21	0.01	0.07	0.08	0.00	406.89	406.89	0.01	0.00	407.08
Worker	0.28	0.27	3.01	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	553.22	553.22	0.03	0.00	553.82
Total	**0.48**	**2.35**	**4.56**	**0.01**	**0.90**	**0.10**	**1.00**	**0.04**	**0.10**	**0.14**	**0.00**	**960.11**	**960.11**	**0.04**	**0.00**	**960.90**

Moran Street Specific Plan
Orange County, Annual

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	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	**0.57**	**3.80**	**3.00**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.20**

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	0.00	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
Vendor	0.20	2.08	1.55	0.00	0.14	0.07	0.21	0.01	0.07	0.08	0.00	406.89	406.89	0.01	0.00	407.08
Worker	0.28	0.27	3.01	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	553.22	553.22	0.03	0.00	553.82
Total	**0.48**	**2.35**	**4.56**	**0.01**	**0.90**	**0.10**	**1.00**	**0.04**	**0.10**	**0.14**	**0.00**	**960.11**	**960.11**	**0.04**	**0.00**	**960.90**

3.5 Building Construction - 2016

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	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11
Total	**0.52**	**3.46**	**2.97**	**0.01**		**0.21**	**0.21**		**0.21**	**0.21**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**479.11**

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	0.00	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
Vendor	0.19	1.91	1.44	0.00	0.14	0.06	0.20	0.01	0.06	0.07	0.00	407.59	407.59	0.01	0.00	407.77
Worker	0.26	0.25	2.77	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	537.86	537.86	0.03	0.00	538.41
Total	**0.45**	**2.16**	**4.21**	**0.01**	**0.90**	**0.09**	**0.99**	**0.04**	**0.09**	**0.13**	**0.00**	**945.45**	**945.45**	**0.04**	**0.00**	**946.18**

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	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11
Total	**0.52**	**3.46**	**2.97**	**0.01**		**0.21**	**0.21**		**0.21**	**0.21**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**479.11**

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	0.00	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
Vendor	0.19	1.91	1.44	0.00	0.14	0.06	0.20	0.01	0.06	0.07	0.00	407.59	407.59	0.01	0.00	407.77
Worker	0.26	0.25	2.77	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	537.86	537.86	0.03	0.00	538.41
Total	**0.45**	**2.16**	**4.21**	**0.01**	**0.90**	**0.09**	**0.99**	**0.04**	**0.09**	**0.13**	**0.00**	**945.45**	**945.45**	**0.04**	**0.00**	**946.18**

Moran Street Specific Plan

Orange County, Annual

3.5 Building Construction - 2017

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	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20
Total	**0.48**	**3.13**	**2.94**	**0.01**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**476.40**	**476.40**	**0.04**	**0.00**	**477.20**

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	0.00	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
Vendor	0.17	1.76	1.34	0.00	0.14	0.06	0.20	0.01	0.06	0.07	0.00	407.14	407.14	0.01	0.00	407.30
Worker	0.25	0.23	2.56	0.01	0.76	0.03	0.78	0.03	0.03	0.06	0.00	524.20	524.20	0.02	0.00	524.71
Total	**0.42**	**1.99**	**3.90**	**0.01**	**0.90**	**0.09**	**0.98**	**0.04**	**0.09**	**0.13**	**0.00**	**931.34**	**931.34**	**0.03**	**0.00**	**932.01**

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	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20
Total	**0.48**	**3.13**	**2.94**	**0.01**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**476.40**	**476.40**	**0.04**	**0.00**	**477.20**

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	0.00	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
Vendor	0.17	1.76	1.34	0.00	0.14	0.06	0.20	0.01	0.06	0.07	0.00	407.14	407.14	0.01	0.00	407.30
Worker	0.25	0.23	2.56	0.01	0.76	0.03	0.78	0.03	0.03	0.06	0.00	524.20	524.20	0.02	0.00	524.71
Total	**0.42**	**1.99**	**3.90**	**0.01**	**0.90**	**0.09**	**0.98**	**0.04**	**0.09**	**0.13**	**0.00**	**931.34**	**931.34**	**0.03**	**0.00**	**932.01**

3.5 Building Construction - 2018

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	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97
Total	**0.44**	**2.84**	**2.93**	**0.01**		**0.16**	**0.16**		**0.16**	**0.16**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**478.97**

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	0.00	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
Vendor	0.16	1.65	1.26	0.00	0.14	0.05	0.19	0.00	0.05	0.05	0.00	409.77	409.77	0.01	0.00	409.92
Worker	0.23	0.21	2.38	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	515.15	515.15	0.02	0.00	515.63
Total	**0.39**	**1.86**	**3.64**	**0.01**	**0.90**	**0.08**	**0.98**	**0.01**	**0.08**	**0.09**	**0.00**	**924.92**	**924.92**	**0.03**	**0.00**	**925.55**

Moran Street Specific Plan

Orange County, Annual

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	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97
Total	**0.44**	**2.84**	**2.93**	**0.01**		**0.16**	**0.16**		**0.16**	**0.16**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**478.97**

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	0.00	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
Vendor	0.16	1.65	1.26	0.00	0.14	0.05	0.19	0.00	0.05	0.05	0.00	409.77	409.77	0.01	0.00	409.92
Worker	0.23	0.21	2.38	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	515.15	515.15	0.02	0.00	515.63
Total	**0.39**	**1.86**	**3.64**	**0.01**	**0.90**	**0.08**	**0.98**	**0.01**	**0.08**	**0.09**	**0.00**	**924.92**	**924.92**	**0.03**	**0.00**	**925.55**

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	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91
Total	**0.40**	**2.57**	**2.92**	**0.01**		**0.13**	**0.13**		**0.13**	**0.13**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.91**

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	0.00	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
Vendor	0.15	1.54	1.18	0.00	0.14	0.05	0.19	0.00	0.04	0.05	0.00	410.81	410.81	0.01	0.00	410.96
Worker	0.22	0.19	2.22	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	504.85	504.85	0.02	0.00	505.30
Total	**0.37**	**1.73**	**3.40**	**0.01**	**0.90**	**0.08**	**0.98**	**0.01**	**0.07**	**0.09**	**0.00**	**915.66**	**915.66**	**0.03**	**0.00**	**916.26**

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	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91
Total	**0.40**	**2.57**	**2.92**	**0.01**		**0.13**	**0.13**		**0.13**	**0.13**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.91**

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	0.00	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
Vendor	0.15	1.54	1.18	0.00	0.14	0.05	0.19	0.00	0.04	0.05	0.00	410.81	410.81	0.01	0.00	410.96
Worker	0.22	0.19	2.22	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	504.85	504.85	0.02	0.00	505.30
Total	**0.37**	**1.73**	**3.40**	**0.01**	**0.90**	**0.08**	**0.98**	**0.01**	**0.07**	**0.09**	**0.00**	**915.66**	**915.66**	**0.03**	**0.00**	**916.26**

Moran Street Specific Plan

Orange County, Annual

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	0.37	2.34	2.91	0.01		0.11	0.11		0.11	0.11	0.00	480.06	480.06	0.03	0.00	480.68
Total	**0.37**	**2.34**	**2.91**	**0.01**		**0.11**	**0.11**		**0.11**	**0.11**	**0.00**	**480.06**	**480.06**	**0.03**	**0.00**	**480.68**

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	0.00	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
Vendor	0.14	1.46	1.11	0.00	0.14	0.04	0.18	0.00	0.04	0.04	0.00	413.37	413.37	0.01	0.00	413.50
Worker	0.22	0.18	2.08	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	497.18	497.18	0.02	0.00	497.60
Total	**0.36**	**1.64**	**3.19**	**0.01**	**0.90**	**0.07**	**0.97**	**0.01**	**0.07**	**0.08**	**0.00**	**910.55**	**910.55**	**0.03**	**0.00**	**911.10**

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	0.37	2.34	2.91	0.01		0.11	0.11		0.11	0.11	0.00	480.06	480.06	0.03	0.00	480.68
Total	**0.37**	**2.34**	**2.91**	**0.01**		**0.11**	**0.11**		**0.11**	**0.11**	**0.00**	**480.06**	**480.06**	**0.03**	**0.00**	**480.68**

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	0.00	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
Vendor	0.14	1.46	1.11	0.00	0.14	0.04	0.18	0.00	0.04	0.04	0.00	413.37	413.37	0.01	0.00	413.50
Worker	0.22	0.18	2.08	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	497.18	497.18	0.02	0.00	497.60
Total	**0.36**	**1.64**	**3.19**	**0.01**	**0.90**	**0.07**	**0.97**	**0.01**	**0.07**	**0.08**	**0.00**	**910.55**	**910.55**	**0.03**	**0.00**	**911.10**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.33	2.10	2.88	0.01		0.10	0.10		0.10	0.10	0.00	478.23	478.23	0.03	0.00	478.79
Total	**0.33**	**2.10**	**2.88**	**0.01**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.79**

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	0.00	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
Vendor	0.13	1.38	1.04	0.00	0.14	0.04	0.18	0.00	0.04	0.04	0.00	412.70	412.70	0.01	0.00	412.82
Worker	0.21	0.17	1.95	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	487.82	487.82	0.02	0.00	488.23
Total	**0.34**	**1.55**	**2.99**	**0.01**	**0.90**	**0.07**	**0.97**	**0.01**	**0.07**	**0.08**	**0.00**	**900.52**	**900.52**	**0.03**	**0.00**	**901.05**

Moran Street Specific Plan
Orange County, Annual

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	0.33	2.10	2.88	0.01		0.10	0.10		0.10	0.10	0.00	478.23	478.23	0.03	0.00	478.79
Total	**0.33**	**2.10**	**2.88**	**0.01**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.79**

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	0.00	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
Vendor	0.13	1.38	1.04	0.00	0.14	0.04	0.18	0.00	0.04	0.04	0.00	412.70	412.70	0.01	0.00	412.82
Worker	0.21	0.17	1.95	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	487.82	487.82	0.02	0.00	488.23
Total	**0.34**	**1.55**	**2.99**	**0.01**	**0.90**	**0.07**	**0.97**	**0.01**	**0.07**	**0.08**	**0.00**	**900.52**	**900.52**	**0.03**	**0.00**	**901.05**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.31	1.89	2.86	0.01		0.08	0.08		0.08	0.08	0.00	476.40	476.40	0.02	0.00	476.92
Total	**0.31**	**1.89**	**2.86**	**0.01**		**0.08**	**0.08**		**0.08**	**0.08**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.92**

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	0.00	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
Vendor	0.13	1.31	0.99	0.00	0.14	0.04	0.18	0.00	0.03	0.04	0.00	412.00	412.00	0.01	0.00	412.12
Worker	0.20	0.15	1.83	0.01	0.76	0.03	0.78	0.01	0.03	0.04	0.00	477.97	477.97	0.02	0.00	478.35
Total	**0.33**	**1.46**	**2.82**	**0.01**	**0.90**	**0.07**	**0.96**	**0.01**	**0.06**	**0.08**	**0.00**	**889.97**	**889.97**	**0.03**	**0.00**	**890.47**

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	0.31	1.89	2.86	0.01		0.08	0.08		0.08	0.08	0.00	476.40	476.40	0.02	0.00	476.92
Total	**0.31**	**1.89**	**2.86**	**0.01**		**0.08**	**0.08**		**0.08**	**0.08**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.92**

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	0.00	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
Vendor	0.13	1.31	0.99	0.00	0.14	0.04	0.18	0.00	0.03	0.04	0.00	412.00	412.00	0.01	0.00	412.12
Worker	0.20	0.15	1.83	0.01	0.76	0.03	0.78	0.01	0.03	0.04	0.00	477.97	477.97	0.02	0.00	478.35
Total	**0.33**	**1.46**	**2.82**	**0.01**	**0.90**	**0.07**	**0.96**	**0.01**	**0.06**	**0.08**	**0.00**	**889.97**	**889.97**	**0.03**	**0.00**	**890.47**

Moran Street Specific Plan

Orange County, Annual

3.5 Building Construction - 2023

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	0.06	0.34	0.56	0.00		0.01	0.01		0.01	0.01	0.00	93.45	93.45	0.00	0.00	93.54
Total	**0.06**	**0.34**	**0.56**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**93.45**	**93.45**	**0.00**	**0.00**	**93.54**

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	0.00	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
Vendor	0.02	0.25	0.18	0.00	0.03	0.01	0.03	0.00	0.01	0.01	0.00	80.98	80.98	0.00	0.00	81.01
Worker	0.04	0.03	0.34	0.00	0.15	0.01	0.15	0.00	0.01	0.01	0.00	92.31	92.31	0.00	0.00	92.38
Total	**0.06**	**0.28**	**0.52**	**0.00**	**0.18**	**0.02**	**0.18**	**0.00**	**0.02**	**0.02**	**0.00**	**173.29**	**173.29**	**0.00**	**0.00**	**173.39**

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	0.06	0.34	0.56	0.00		0.01	0.01		0.01	0.01	0.00	93.45	93.45	0.00	0.00	93.54
Total	**0.06**	**0.34**	**0.56**	**0.00**		**0.01**	**0.01**		**0.01**	**0.01**	**0.00**	**93.45**	**93.45**	**0.00**	**0.00**	**93.54**

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	0.00	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
Vendor	0.02	0.25	0.18	0.00	0.03	0.01	0.03	0.00	0.01	0.01	0.00	80.98	80.98	0.00	0.00	81.01
Worker	0.04	0.03	0.34	0.00	0.15	0.01	0.15	0.00	0.01	0.01	0.00	92.31	92.31	0.00	0.00	92.38
Total	**0.06**	**0.28**	**0.52**	**0.00**	**0.18**	**0.02**	**0.18**	**0.00**	**0.02**	**0.02**	**0.00**	**173.29**	**173.29**	**0.00**	**0.00**	**173.39**

3.6 Paving - 2012

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	0.64	3.86	2.29	0.00		0.34	0.34		0.34	0.34	0.00	287.10	287.10	0.05	0.00	288.19
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.64**	**3.86**	**2.29**	**0.00**		**0.34**	**0.34**		**0.34**	**0.34**	**0.00**	**287.10**	**287.10**	**0.05**	**0.00**	**288.19**

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	0.00	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
Vendor	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
Worker	0.01	0.01	0.11	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	17.55	17.55	0.00	0.00	17.57
Total	**0.01**	**0.01**	**0.11**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**17.55**	**17.55**	**0.00**	**0.00**	**17.57**

Moran Street Specific Plan

Orange County, Annual

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	0.64	3.86	2.29	0.00		0.34	0.34		0.34	0.34	0.00	287.10	287.10	0.05	0.00	288.19
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.64**	**3.86**	**2.29**	**0.00**		**0.34**	**0.34**		**0.34**	**0.34**	**0.00**	**287.10**	**287.10**	**0.05**	**0.00**	**288.19**

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	0.00	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
Vendor	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
Worker	0.01	0.01	0.11	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	17.55	17.55	0.00	0.00	17.57
Total	**0.01**	**0.01**	**0.11**	**0.00**	**0.02**	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**17.55**	**17.55**	**0.00**	**0.00**	**17.57**

3.7 Architectural Coating - 2012

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	8.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.06	0.34	0.21	0.00		0.03	0.03		0.03	0.03	0.00	27.67	27.67	0.00	0.00	27.77
Total	**8.07**	**0.34**	**0.21**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**27.67**	**27.67**	**0.00**	**0.00**	**27.77**

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	0.00	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
Vendor	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
Worker	0.06	0.06	0.64	0.00	0.13	0.00	0.13	0.01	0.00	0.01	0.00	98.29	98.29	0.01	0.00	98.41
Total	**0.06**	**0.06**	**0.64**	**0.00**	**0.13**	**0.00**	**0.13**	**0.01**	**0.00**	**0.01**	**0.00**	**98.29**	**98.29**	**0.01**	**0.00**	**98.41**

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	8.01					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.06	0.34	0.21	0.00		0.03	0.03		0.03	0.03	0.00	27.67	27.67	0.00	0.00	27.77
Total	**8.07**	**0.34**	**0.21**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**27.67**	**27.67**	**0.00**	**0.00**	**27.77**

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	0.00	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
Vendor	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
Worker	0.06	0.06	0.64	0.00	0.13	0.00	0.13	0.01	0.00	0.01	0.00	98.29	98.29	0.01	0.00	98.41
Total	**0.06**	**0.06**	**0.64**	**0.00**	**0.13**	**0.00**	**0.13**	**0.01**	**0.00**	**0.01**	**0.00**	**98.29**	**98.29**	**0.01**	**0.00**	**98.41**

Moran Street Specific Plan

Orange County, Annual

4.0 Mobile Detail

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	6.45	10.43	50.05	0.19	19.75	0.89	20.64	0.30	0.77	1.07	0.00	12,996.32	12,996.32	0.39	0.00	13,004.44
Unmitigated	6.45	10.43	50.05	0.19	19.75	0.89	20.64	0.30	0.77	1.07	0.00	12,996.32	12,996.32	0.39	0.00	13,004.44
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	668.15	652.05	652.05	2,210,003	2,210,003
General Office Building	401.66	86.40	86.40	995,055	995,055
High Turnover (Sit Down Restaurant)	3,274.20	4,078.82	4078.82	6,378,851	6,378,851
Hotel	213.60	1,008.00	1008.00	1,226,598	1,226,598
Parking Structure	0.00	0.00	0.00		
Place of Worship	530.00	1,060.00	1060.00	2,268,825	2,268,825
Quality Restaurant	2,900.23	3,041.48	3041.48	5,347,232	5,347,232
Regional Shopping Center	3,728.35	4,339.43	4339.43	10,233,493	10,233,493
Condo/Townhouse High Rise	501.12	361.44	361.44	1,536,099	1,536,099
Strip Mall	2,675.93	2,538.15	2538.15	6,057,428	6,057,428
Total	14,893.24	17,165.76	17,165.76	36,253,584	36,253,584

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Condo/Townhouse	12.70	7.00	9.50	40.20	19.20	40.60
General Office Building	8.90	13.30	7.40	33.00	48.00	19.00
High Turnover (Sit Down Restaurant)	8.90	13.30	7.40	8.50	72.50	19.00
Hotel	8.90	13.30	7.40	19.40	61.60	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Place of Worship	8.90	13.30	7.40	0.00	95.00	5.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Regional Shopping Center	8.90	13.30	7.40	16.30	64.70	19.00
Condo/Townhouse High Rise	12.70	7.00	9.50	40.20	19.20	40.60
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

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						0.00	0.00		0.00	0.00	0.00	2,669.46	2,669.46	0.12	0.05	2,686.19
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	2,669.46	2,669.46	0.12	0.05	2,686.19
NaturalGas Mitigated	0.19	1.67	1.26	0.01		0.00	0.13		0.00	0.13	0.00	1,838.31	1,838.31	0.04	0.03	1,849.50
NaturalGas Unmitigated	0.19	1.67	1.26	0.01		0.00	0.13		0.00	0.13	0.00	1,838.31	1,838.31	0.04	0.03	1,849.50
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Moran Street Specific Plan

Orange County, Annual

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	tons/yr										MT/yr					
Condo/Townhouse	2.94645e+006	0.02	0.14	0.06	0.00		0.00	0.01		0.00	0.01	0.00	157.23	157.23	0.00	0.00	158.19
Condo/Townhouse High Rise	3.68946e+006	0.02	0.17	0.07	0.00		0.00	0.01		0.00	0.01	0.00	196.88	196.88	0.00	0.00	198.08
General Office Building	368256	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00	0.00	19.65	19.65	0.00	0.00	19.77
High Turnover (Sit Down Restaurant)	8.74061e+006	0.05	0.43	0.36	0.00		0.00	0.03		0.00	0.03	0.00	466.43	466.43	0.01	0.01	469.27
Hotel	6.23256e+006	0.03	0.31	0.26	0.00		0.00	0.02		0.00	0.02	0.00	332.59	332.59	0.01	0.01	334.62
Parking Structure	0	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
Place of Worship	1.09293e+006	0.01	0.05	0.05	0.00		0.00	0.00		0.00	0.00	0.00	58.32	58.32	0.00	0.00	58.68
Quality Restaurant	1.10087e+007	0.06	0.54	0.45	0.00		0.00	0.04		0.00	0.04	0.00	587.47	587.47	0.01	0.01	591.04
Regional Shopping Center	222507	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	11.87	11.87	0.00	0.00	11.95
Strip Mall	147108	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	7.85	7.85	0.00	0.00	7.90
Total		**0.19**	**1.68**	**1.29**	**0.00**		**0.00**	**0.11**		**0.00**	**0.11**	**0.00**	**1,838.29**	**1,838.29**	**0.03**	**0.03**	**1,849.50**

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	tons/yr										MT/yr					
Condo/Townhouse	2.94645e+006	0.02	0.14	0.06	0.00		0.00	0.01		0.00	0.01	0.00	157.23	157.23	0.00	0.00	158.19
Condo/Townhouse High Rise	3.68946e+006	0.02	0.17	0.07	0.00		0.00	0.01		0.00	0.01	0.00	196.88	196.88	0.00	0.00	198.08
General Office Building	368256	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00	0.00	19.65	19.65	0.00	0.00	19.77
High Turnover (Sit Down Restaurant)	8.74061e+006	0.05	0.43	0.36	0.00		0.00	0.03		0.00	0.03	0.00	466.43	466.43	0.01	0.01	469.27
Hotel	6.23256e+006	0.03	0.31	0.26	0.00		0.00	0.02		0.00	0.02	0.00	332.59	332.59	0.01	0.01	334.62
Parking Structure	0	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
Place of Worship	1.09293e+006	0.01	0.05	0.05	0.00		0.00	0.00		0.00	0.00	0.00	58.32	58.32	0.00	0.00	58.68
Quality Restaurant	1.10087e+007	0.06	0.54	0.45	0.00		0.00	0.04		0.00	0.04	0.00	587.47	587.47	0.01	0.01	591.04
Regional Shopping Center	222507	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	11.87	11.87	0.00	0.00	11.95
Strip Mall	147108	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	7.85	7.85	0.00	0.00	7.90
Total		**0.19**	**1.68**	**1.29**	**0.00**		**0.00**	**0.11**		**0.00**	**0.11**	**0.00**	**1,838.29**	**1,838.29**	**0.03**	**0.03**	**1,849.50**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Condo/Townhouse	486877					141.62	0.01	0.00	142.51
Condo/Townhouse High Rise	609654					177.33	0.01	0.00	178.44
General Office Building	599808					174.47	0.01	0.00	175.56
High Turnover (Sit Down Restaurant)	1.30497e+006					379.58	0.02	0.01	381.96
Hotel	1.75808e+006					511.37	0.02	0.01	514.58
Parking Structure	0					0.00	0.00	0.00	0.00
Place of Worship	466667					135.74	0.01	0.00	136.59
Quality Restaurant	1.6436e+006					478.08	0.02	0.01	481.07
Regional Shopping Center	1.38931e+006					404.11	0.02	0.01	406.64
Strip Mall	918528					267.17	0.01	0.00	268.85
Total						**2,669.47**	**0.13**	**0.04**	**2,686.20**

Moran Street Specific Plan

Orange County, Annual

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Condo/Townhouse	486877					141.62	0.01	0.00	142.51
Condo/Townhouse High Rise	609654					177.33	0.01	0.00	178.44
General Office Building	599808					174.47	0.01	0.00	175.56
High Turnover (Sit Down Restaurant)	1.30497e+006					379.58	0.02	0.01	381.96
Hotel	1.75808e+006					511.37	0.02	0.01	514.58
Parking Structure	0					0.00	0.00	0.00	0.00
Place of Worship	466667					135.74	0.01	0.00	136.59
Quality Restaurant	1.6436e+006					478.08	0.02	0.01	481.07
Regional Shopping Center	1.38931e+006					404.11	0.02	0.01	406.64
Strip Mall	918528					267.17	0.01	0.00	268.85
Total						**2,669.47**	**0.13**	**0.04**	**2,686.20**

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	4.06	0.05	3.93	0.00		0.00	0.03		0.00	0.03	0.00	193.03	193.03	0.01	0.00	194.29
Unmitigated	4.06	0.05	3.93	0.00		0.00	0.03		0.00	0.03	0.00	193.03	193.03	0.01	0.00	194.29
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	0.80					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	3.12					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.02	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	186.59	186.59	0.00	0.00	187.72
Landscaping	0.12	0.05	3.93	0.00		0.00	0.02		0.00	0.02	0.00	6.44	6.44	0.01	0.00	6.57
Total	**4.06**	**0.05**	**3.93**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**	**0.00**	**193.03**	**193.03**	**0.01**	**0.00**	**194.29**

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	0.80					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	3.12					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.02	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	186.59	186.59	0.00	0.00	187.72
Landscaping	0.12	0.05	3.93	0.00		0.00	0.02		0.00	0.02	0.00	6.44	6.44	0.01	0.00	6.57
Total	**4.06**	**0.05**	**3.93**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**	**0.00**	**193.03**	**193.03**	**0.01**	**0.00**	**194.29**

Moran Street Specific Plan

Orange County, Annual

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					278.56	1.59	0.04	325.44
Unmitigated					332.89	1.98	0.05	391.40
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Condo/Townhouse	7.49271 / 4.72367					43.73	0.23	0.01	50.56
Condo/Townhouse High Rise	9.38218 / 5.91485					54.75	0.29	0.01	63.31
General Office Building	6.82498 / 4.18305					39.44	0.21	0.01	45.67
High Turnover (Sit Down Restaurant)	10.0712 / 0.642846					40.33	0.31	0.01	49.41
Hotel	3.04401 / 0.338224					12.66	0.09	0.00	15.40
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Place of Worship	1.58025 / 2.47167					13.99	0.05	0.00	15.46
Quality Restaurant	12.6847 / 0.80966					50.80	0.39	0.01	62.23
Regional Shopping Center	8.03983 / 4.92764					46.46	0.25	0.01	53.80
Strip Mall	5.31544 / 3.25785					30.72	0.16	0.00	35.57
Total						**332.88**	**1.98**	**0.06**	**391.41**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Condo/Townhouse	5.99417 / 4.43552					37.10	0.18	0.01	42.58
Condo/Townhouse High Rise	7.50574 / 5.55405					46.46	0.23	0.01	53.32
General Office Building	5.45998 / 3.92788					33.43	0.17	0.00	38.42
High Turnover (Sit Down Restaurant)	8.057 / 0.603632					32.56	0.25	0.01	39.82
Hotel	2.43521 / 0.317592					10.28	0.07	0.00	12.47
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Place of Worship	1.2642 / 2.3209					12.30	0.04	0.00	13.49
Quality Restaurant	10.1477 / 0.760271					41.00	0.31	0.01	50.15
Regional Shopping Center	6.43187 / 4.62705					39.39	0.20	0.01	45.26
Strip Mall	4.25236 / 3.05912					26.04	0.13	0.00	29.93
Total						**278.56**	**1.58**	**0.05**	**325.44**

Moran Street Specific Plan

Orange County, Annual

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					1,998.01	118.08	0.00	4,477.66
Unmitigated					1,998.01	118.08	0.00	4,477.66
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Condo/Townhouse	52.9					10.74	0.63	0.00	24.07
Condo/Townhouse High Rise	66.24					13.45	0.79	0.00	30.13
General Office Building	35.71					7.25	0.43	0.00	16.25
High Turnover (Sit Down Restaurant)	394.84					80.15	4.74	0.00	179.62
Hotel	65.7					13.34	0.79	0.00	29.89
Parking Structure	0					0.00	0.00	0.00	0.00
Place of Worship	9000					1,826.92	107.97	0.00	4,094.24
Quality Restaurant	38.13					7.74	0.46	0.00	17.35
Regional Shopping Center	113.97					23.13	1.37	0.00	51.85
Strip Mall	75.35					15.30	0.90	0.00	34.28
Total						**1,998.02**	**118.08**	**0.00**	**4,477.68**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Condo/Townhouse	52.9					10.74	0.63	0.00	24.07
Condo/Townhouse High Rise	66.24					13.45	0.79	0.00	30.13
General Office Building	35.71					7.25	0.43	0.00	16.25
High Turnover (Sit Down Restaurant)	394.84					80.15	4.74	0.00	179.62
Hotel	65.7					13.34	0.79	0.00	29.89
Parking Structure	0					0.00	0.00	0.00	0.00
Place of Worship	9000					1,826.92	107.97	0.00	4,094.24
Quality Restaurant	38.13					7.74	0.46	0.00	17.35
Regional Shopping Center	113.97					23.13	1.37	0.00	51.85
Strip Mall	75.35					15.30	0.90	0.00	34.28
Total						**1,998.02**	**118.08**	**0.00**	**4,477.68**

9.0 Vegetation

Moran Street Specific Plan

Orange County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric
General Office Building	38.4	1000sqft
Place of Worship	1000	Seat
Parking Structure	215.76	1000sqft
High Turnover (Sit Down Restaurant)	33.18	1000sqft
Hotel	120	Room
Quality Restaurant	41.79	1000sqft
Condo/Townhouse	115	Dwelling Unit
Condo/Townhouse High Rise	144	Dwelling Unit
Regional Shopping Center	108.54	1000sqft
Strip Mall	71.76	1000sqft

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Utility Company**	Southern California Edison
Climate Zone	8	**Precipitation Freq (Days)**	30		

1.3 User Entered Comments

Project Characteristics -

Land Use - Population based on DOF (2009) of 3.4 persons per household in Westminster.

Construction Phase - Worst-Case construction schedule. Assumes all phases could overlap. Based on an interpolation of the CalEEMod defaults for a 15-year project timeline (since phasing is assumed to overlap, total time appears shorter)

Off-road Equipment -

Trips and VMT -

Demolition - Based on demolition of existing auto-related structures and other miscellaneous structures.

Grading - Based on one-level of subterranean parking for an approximately 310 feet x 174 feet wide structure with a 13-foot height.

Vehicle Trips - KOA Traffic Report

Woodstoves - No woodburning devices in accordance with SCAQMD Rule 445.

Construction Off-road Equipment Mitigation - SCAQMD Rule 403, based on efficiencies report by SCAQMD.

Water Mitigation - Indoor and outdoor water use efficiencies required under the 2010 California Green Building Code.

Energy Mitigation -

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					
2012	1.33	10.72	6.40	0.01	4.07	0.54	4.60	0.60	0.54	1.13	0.00	1,003.01	1,003.01	0.11	0.00	1,005.23
2013	1.55	12.63	7.10	0.01	4.23	0.60	4.82	1.12	0.60	1.72	0.00	1,296.60	1,296.60	0.12	0.00	1,299.21
2014	1.25	8.51	7.57	0.02	1.89	0.43	2.32	0.56	0.43	0.99	0.00	1,402.65	1,402.65	0.10	0.00	1,404.77
2015	1.05	6.16	7.56	0.02	0.90	0.33	1.23	0.04	0.33	0.37	0.00	1,438.34	1,438.34	0.08	0.00	1,440.10
2016	0.97	5.62	7.19	0.02	0.90	0.30	1.20	0.04	0.30	0.34	0.00	1,423.68	1,423.68	0.08	0.00	1,425.29
2017	0.90	5.12	6.84	0.02	0.90	0.26	1.16	0.04	0.26	0.31	0.00	1,407.73	1,407.73	0.07	0.00	1,409.21
2018	0.83	4.70	6.57	0.02	0.90	0.24	1.14	0.02	0.23	0.24	0.00	1,403.15	1,403.15	0.07	0.00	1,404.52
2019	0.77	4.31	6.31	0.02	0.90	0.21	1.11	0.02	0.20	0.22	0.00	1,393.90	1,393.90	0.06	0.00	1,395.17
2020	0.73	3.98	6.10	0.02	0.90	0.19	1.09	0.02	0.18	0.20	0.00	1,390.61	1,390.61	0.06	0.00	1,391.79
2021	0.68	3.64	5.88	0.02	0.90	0.16	1.06	0.02	0.16	0.17	0.00	1,378.75	1,378.75	0.05	0.00	1,379.84
2022	0.64	3.36	5.68	0.02	0.90	0.15	1.04	0.02	0.14	0.16	0.00	1,366.37	1,366.37	0.05	0.00	1,367.39
2023	0.60	3.12	5.52	0.02	0.90	0.13	1.03	0.02	0.13	0.14	0.00	1,359.84	1,359.84	0.05	0.00	1,360.80
2024	0.58	2.94	5.42	0.02	0.90	0.12	1.02	0.02	0.12	0.13	0.00	1,364.30	1,364.30	0.04	0.00	1,365.22
2025	0.45	2.42	4.04	0.01	0.50	0.12	0.61	0.01	0.11	0.12	0.00	893.79	893.79	0.03	0.00	894.52
2026	6.25	0.86	1.30	0.00	0.11	0.05	0.16	0.00	0.05	0.06	0.00	212.39	212.39	0.01	0.00	212.67
2027	1.93	0.03	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	25.00	25.00	0.00	0.00	25.02
Total	**20.51**	**78.12**	**89.59**	**0.25**	**19.83**	**3.83**	**23.62**	**2.55**	**3.78**	**6.30**	**0.00**	**18,760.11**	**18,760.11**	**0.98**	**0.00**	**18,780.75**

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					
2012	1.33	10.72	6.40	0.01	3.44	0.54	3.97	0.26	0.54	0.79	0.00	1,003.01	1,003.01	0.11	0.00	1,005.23
2013	1.55	12.63	7.10	0.01	2.88	0.60	3.48	0.48	0.60	1.08	0.00	1,296.60	1,296.60	0.12	0.00	1,299.21
2014	1.25	8.51	7.57	0.02	1.15	0.43	1.58	0.26	0.43	0.68	0.00	1,402.65	1,402.65	0.10	0.00	1,404.77
2015	1.05	6.16	7.56	0.02	0.90	0.33	1.23	0.04	0.33	0.37	0.00	1,438.34	1,438.34	0.08	0.00	1,440.10
2016	0.97	5.62	7.19	0.02	0.90	0.30	1.20	0.04	0.30	0.34	0.00	1,423.68	1,423.68	0.08	0.00	1,425.29
2017	0.90	5.12	6.84	0.02	0.90	0.26	1.16	0.04	0.26	0.31	0.00	1,407.73	1,407.73	0.07	0.00	1,409.21
2018	0.83	4.70	6.57	0.02	0.90	0.24	1.14	0.02	0.23	0.24	0.00	1,403.15	1,403.15	0.07	0.00	1,404.52
2019	0.77	4.31	6.31	0.02	0.90	0.21	1.11	0.02	0.20	0.22	0.00	1,393.90	1,393.90	0.06	0.00	1,395.17
2020	0.73	3.98	6.10	0.02	0.90	0.19	1.09	0.02	0.18	0.20	0.00	1,390.61	1,390.61	0.06	0.00	1,391.79
2021	0.68	3.64	5.88	0.02	0.90	0.16	1.06	0.02	0.16	0.17	0.00	1,378.75	1,378.75	0.05	0.00	1,379.84
2022	0.64	3.36	5.68	0.02	0.90	0.15	1.04	0.02	0.14	0.16	0.00	1,366.37	1,366.37	0.05	0.00	1,367.39
2023	0.60	3.12	5.52	0.02	0.90	0.13	1.03	0.02	0.13	0.14	0.00	1,359.84	1,359.84	0.05	0.00	1,360.80
2024	0.58	2.94	5.42	0.02	0.90	0.12	1.02	0.02	0.12	0.13	0.00	1,364.30	1,364.30	0.04	0.00	1,365.22
2025	0.45	2.42	4.04	0.01	0.50	0.12	0.61	0.01	0.11	0.12	0.00	893.79	893.79	0.03	0.00	894.52
2026	6.25	0.86	1.30	0.00	0.11	0.05	0.16	0.00	0.05	0.06	0.00	212.39	212.39	0.01	0.00	212.67
2027	1.93	0.03	0.11	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	25.00	25.00	0.00	0.00	25.02
Total	**20.51**	**78.12**	**89.59**	**0.25**	**17.11**	**3.83**	**20.91**	**1.27**	**3.78**	**5.01**	**0.00**	**18,760.11**	**18,760.11**	**0.98**	**0.00**	**18,780.75**

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	4.06	0.05	3.93	0.00		0.00	0.03		0.00	0.03	0.00	193.03	193.03	0.01	0.00	194.29
Energy	0.19	1.67	1.28	0.01		0.00	0.13		0.00	0.13	0.00	4,507.77	4,507.77	0.16	0.08	4,535.69
Mobile	6.45	10.43	50.05	0.19	19.75	0.89	20.64	0.30	0.77	1.07	0.00	12,996.32	12,996.32	0.39	0.00	13,004.44
Waste						0.00	0.00		0.00	0.00	1,998.01	0.00	1,998.01	118.08	0.00	4,477.66
Water						0.00	0.00		0.00	0.00	0.00	332.89	332.89	1.98	0.05	391.40
Total	**10.70**	**12.15**	**55.26**	**0.20**	**19.75**	**0.89**	**20.80**	**0.30**	**0.77**	**1.23**	**1,998.01**	**18,030.01**	**20,028.02**	**120.62**	**0.13**	**22,603.48**

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	4.06	0.05	3.93	0.00		0.00	0.03		0.00	0.03	0.00	193.03	193.03	0.01	0.00	194.29
Energy	0.17	1.54	1.18	0.01		0.00	0.12		0.00	0.12	0.00	4,248.34	4,248.34	0.15	0.07	4,274.66
Mobile	6.45	10.43	50.05	0.19	19.75	0.89	20.64	0.30	0.77	1.07	0.00	12,996.32	12,996.32	0.39	0.00	13,004.44
Waste						0.00	0.00		0.00	0.00	1,998.01	0.00	1,998.01	118.08	0.00	4,477.66
Water						0.00	0.00		0.00	0.00	0.00	278.56	278.56	1.59	0.04	325.44
Total	**10.68**	**12.02**	**55.16**	**0.20**	**19.75**	**0.89**	**20.79**	**0.30**	**0.77**	**1.22**	**1,998.01**	**17,716.25**	**19,714.26**	**120.22**	**0.11**	**22,276.49**

3.0 Construction Detail

3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Demolition - 2012

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					0.04	0.00	0.04	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.92	7.40	4.35	0.01		0.37	0.37		0.37	0.37	0.00	670.97	670.97	0.07	0.00	672.53
Total	**0.92**	**7.40**	**4.35**	**0.01**	**0.04**	**0.37**	**0.41**	**0.01**	**0.37**	**0.38**	**0.00**	**670.97**	**670.97**	**0.07**	**0.00**	**672.53**

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	0.01	0.10	0.06	0.00	0.75	0.00	0.76	0.00	0.00	0.00	0.00	13.33	13.33	0.00	0.00	13.34
Vendor	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
Worker	0.01	0.01	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.93	15.93	0.00	0.00	15.95
Total	**0.02**	**0.11**	**0.16**	**0.00**	**0.77**	**0.00**	**0.78**	**0.00**	**0.00**	**0.00**	**0.00**	**29.26**	**29.26**	**0.00**	**0.00**	**29.29**

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					0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.92	7.40	4.35	0.01		0.37	0.37		0.37	0.37	0.00	670.97	670.97	0.07	0.00	672.53
Total	**0.92**	**7.40**	**4.35**	**0.01**	**0.02**	**0.37**	**0.39**	**0.00**	**0.37**	**0.37**	**0.00**	**670.97**	**670.97**	**0.07**	**0.00**	**672.53**

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	0.01	0.10	0.06	0.00	0.75	0.00	0.76	0.00	0.00	0.00	0.00	13.33	13.33	0.00	0.00	13.34
Vendor	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
Worker	0.01	0.01	0.10	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	15.93	15.93	0.00	0.00	15.95
Total	**0.02**	**0.11**	**0.16**	**0.00**	**0.77**	**0.00**	**0.78**	**0.00**	**0.00**	**0.00**	**0.00**	**29.26**	**29.26**	**0.00**	**0.00**	**29.29**

3.3 Site Preparation - 2012

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					1.07	0.00	1.07	0.59	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.33	2.71	1.53	0.00		0.14	0.14		0.14	0.14	0.00	232.11	232.11	0.03	0.00	232.68
Total	**0.33**	**2.71**	**1.53**	**0.00**	**1.07**	**0.14**	**1.21**	**0.59**	**0.14**	**0.73**	**0.00**	**232.11**	**232.11**	**0.03**	**0.00**	**232.68**

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	0.05	0.49	0.31	0.00	2.18	0.02	2.20	0.00	0.02	0.02	0.00	64.47	64.47	0.00	0.00	64.51
Vendor	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
Worker	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.21	6.21	0.00	0.00	6.22
Total	**0.05**	**0.49**	**0.35**	**0.00**	**2.19**	**0.02**	**2.21**	**0.00**	**0.02**	**0.02**	**0.00**	**70.68**	**70.68**	**0.00**	**0.00**	**70.73**

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					0.46	0.00	0.46	0.25	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.33	2.71	1.53	0.00		0.14	0.14		0.14	0.14	0.00	232.11	232.11	0.03	0.00	232.68
Total	**0.33**	**2.71**	**1.53**	**0.00**	**0.46**	**0.14**	**0.60**	**0.25**	**0.14**	**0.39**	**0.00**	**232.11**	**232.11**	**0.03**	**0.00**	**232.68**

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	0.05	0.49	0.31	0.00	2.18	0.02	2.20	0.00	0.02	0.02	0.00	64.47	64.47	0.00	0.00	64.51
Vendor	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
Worker	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.21	6.21	0.00	0.00	6.22
Total	**0.05**	**0.49**	**0.35**	**0.00**	**2.19**	**0.02**	**2.21**	**0.00**	**0.02**	**0.02**	**0.00**	**70.68**	**70.68**	**0.00**	**0.00**	**70.73**

3.3 Site Preparation - 2013

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					1.07	0.00	1.07	0.59	0.00	0.59	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.27	2.16	1.22	0.00		0.11	0.11		0.11	0.11	0.00	195.84	195.84	0.02	0.00	196.30
Total	**0.27**	**2.16**	**1.22**	**0.00**	**1.07**	**0.11**	**1.18**	**0.59**	**0.11**	**0.70**	**0.00**	**195.84**	**195.84**	**0.02**	**0.00**	**196.30**

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	0.04	0.37	0.24	0.00	1.84	0.02	1.86	0.00	0.02	0.02	0.00	54.69	54.69	0.00	0.00	54.72
Vendor	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
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	5.13	5.13	0.00	0.00	5.13
Total	**0.04**	**0.37**	**0.27**	**0.00**	**1.85**	**0.02**	**1.87**	**0.00**	**0.02**	**0.02**	**0.00**	**59.82**	**59.82**	**0.00**	**0.00**	**59.85**

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					0.46	0.00	0.46	0.25	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.27	2.16	1.22	0.00		0.11	0.11		0.11	0.11	0.00	195.84	195.84	0.02	0.00	196.30
Total	**0.27**	**2.16**	**1.22**	**0.00**	**0.46**	**0.11**	**0.57**	**0.25**	**0.11**	**0.36**	**0.00**	**195.84**	**195.84**	**0.02**	**0.00**	**196.30**

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	0.04	0.37	0.24	0.00	1.84	0.02	1.86	0.00	0.02	0.02	0.00	54.69	54.69	0.00	0.00	54.72
Vendor	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
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	5.13	5.13	0.00	0.00	5.13
Total	**0.04**	**0.37**	**0.27**	**0.00**	**1.85**	**0.02**	**1.87**	**0.00**	**0.02**	**0.02**	**0.00**	**59.82**	**59.82**	**0.00**	**0.00**	**59.85**

3.4 Grading - 2013

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					1.28	0.00	1.28	0.53	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.23	10.09	5.47	0.01		0.47	0.47		0.47	0.47	0.00	1,019.09	1,019.09	0.10	0.00	1,021.18
Total	**1.23**	**10.09**	**5.47**	**0.01**	**1.28**	**0.47**	**1.75**	**0.53**	**0.47**	**1.00**	**0.00**	**1,019.09**	**1,019.09**	**0.10**	**0.00**	**1,021.18**

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	0.00	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
Vendor	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
Worker	0.01	0.01	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	21.84	21.84	0.00	0.00	21.87
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**21.84**	**21.84**	**0.00**	**0.00**	**21.87**

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					0.55	0.00	0.55	0.23	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	1.23	10.09	5.47	0.01		0.47	0.47		0.47	0.47	0.00	1,019.09	1,019.09	0.10	0.00	1,021.18
Total	**1.23**	**10.09**	**5.47**	**0.01**	**0.55**	**0.47**	**1.02**	**0.23**	**0.47**	**0.70**	**0.00**	**1,019.09**	**1,019.09**	**0.10**	**0.00**	**1,021.18**

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	0.00	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
Vendor	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
Worker	0.01	0.01	0.13	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	21.84	21.84	0.00	0.00	21.87
Total	**0.01**	**0.01**	**0.13**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**21.84**	**21.84**	**0.00**	**0.00**	**21.87**

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					1.28	0.00	1.28	0.53	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.50	4.03	2.26	0.00		0.19	0.19		0.19	0.19	0.00	438.16	438.16	0.04	0.00	439.01
Total	**0.50**	**4.03**	**2.26**	**0.00**	**1.28**	**0.19**	**1.47**	**0.53**	**0.19**	**0.72**	**0.00**	**438.16**	**438.16**	**0.04**	**0.00**	**439.01**

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	9.21	9.21	0.00	0.00	9.22
Total	**0.00**	**0.00**	**0.05**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**9.21**	**9.21**	**0.00**	**0.00**	**9.22**

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					0.55	0.00	0.55	0.23	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.50	4.03	2.26	0.00		0.19	0.19		0.19	0.19	0.00	438.16	438.16	0.04	0.00	439.01
Total	**0.50**	**4.03**	**2.26**	**0.00**	**0.55**	**0.19**	**0.74**	**0.23**	**0.19**	**0.42**	**0.00**	**438.16**	**438.16**	**0.04**	**0.00**	**439.01**

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	9.21	9.21	0.00	0.00	9.22
Total	**0.00**	**0.00**	**0.05**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**9.21**	**9.21**	**0.00**	**0.00**	**9.22**

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	0.41	2.76	1.99	0.00		0.17	0.17		0.17	0.17	0.00	315.15	315.15	0.03	0.00	315.85
Total	**0.41**	**2.76**	**1.99**	**0.00**		**0.17**	**0.17**		**0.17**	**0.17**	**0.00**	**315.15**	**315.15**	**0.03**	**0.00**	**315.85**

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	0.00	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
Vendor	0.15	1.51	1.11	0.00	0.09	0.05	0.14	0.01	0.05	0.06	0.00	267.26	267.26	0.01	0.00	267.40
Worker	0.19	0.20	2.15	0.00	0.50	0.02	0.52	0.02	0.02	0.04	0.00	372.87	372.87	0.02	0.00	373.29
Total	**0.34**	**1.71**	**3.26**	**0.00**	**0.59**	**0.07**	**0.66**	**0.03**	**0.07**	**0.10**	**0.00**	**640.13**	**640.13**	**0.03**	**0.00**	**640.69**

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	0.41	2.76	1.99	0.00		0.17	0.17		0.17	0.17	0.00	315.15	315.15	0.03	0.00	315.85
Total	**0.41**	**2.76**	**1.99**	**0.00**		**0.17**	**0.17**		**0.17**	**0.17**	**0.00**	**315.15**	**315.15**	**0.03**	**0.00**	**315.85**

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	0.00	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
Vendor	0.15	1.51	1.11	0.00	0.09	0.05	0.14	0.01	0.05	0.06	0.00	267.26	267.26	0.01	0.00	267.40
Worker	0.19	0.20	2.15	0.00	0.50	0.02	0.52	0.02	0.02	0.04	0.00	372.87	372.87	0.02	0.00	373.29
Total	**0.34**	**1.71**	**3.26**	**0.00**	**0.59**	**0.07**	**0.66**	**0.03**	**0.07**	**0.10**	**0.00**	**640.13**	**640.13**	**0.03**	**0.00**	**640.69**

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	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	**0.57**	**3.80**	**3.00**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.20**

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	0.00	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
Vendor	0.20	2.08	1.55	0.00	0.14	0.07	0.21	0.01	0.07	0.08	0.00	406.89	406.89	0.01	0.00	407.08
Worker	0.28	0.27	3.01	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	553.22	553.22	0.03	0.00	553.82
Total	**0.48**	**2.35**	**4.56**	**0.01**	**0.90**	**0.10**	**1.00**	**0.04**	**0.10**	**0.14**	**0.00**	**960.11**	**960.11**	**0.04**	**0.00**	**960.90**

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	0.57	3.80	3.00	0.01		0.23	0.23		0.23	0.23	0.00	478.23	478.23	0.05	0.00	479.20
Total	**0.57**	**3.80**	**3.00**	**0.01**		**0.23**	**0.23**		**0.23**	**0.23**	**0.00**	**478.23**	**478.23**	**0.05**	**0.00**	**479.20**

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	0.00	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
Vendor	0.20	2.08	1.55	0.00	0.14	0.07	0.21	0.01	0.07	0.08	0.00	406.89	406.89	0.01	0.00	407.08
Worker	0.28	0.27	3.01	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	553.22	553.22	0.03	0.00	553.82
Total	**0.48**	**2.35**	**4.56**	**0.01**	**0.90**	**0.10**	**1.00**	**0.04**	**0.10**	**0.14**	**0.00**	**960.11**	**960.11**	**0.04**	**0.00**	**960.90**

3.5 Building Construction - 2016

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	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11
Total	**0.52**	**3.46**	**2.97**	**0.01**		**0.21**	**0.21**		**0.21**	**0.21**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**479.11**

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	0.00	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
Vendor	0.19	1.91	1.44	0.00	0.14	0.06	0.20	0.01	0.06	0.07	0.00	407.59	407.59	0.01	0.00	407.77
Worker	0.26	0.25	2.77	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	537.86	537.86	0.03	0.00	538.41
Total	**0.45**	**2.16**	**4.21**	**0.01**	**0.90**	**0.09**	**0.99**	**0.04**	**0.09**	**0.13**	**0.00**	**945.45**	**945.45**	**0.04**	**0.00**	**946.18**

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	0.52	3.46	2.97	0.01		0.21	0.21		0.21	0.21	0.00	478.23	478.23	0.04	0.00	479.11
Total	**0.52**	**3.46**	**2.97**	**0.01**		**0.21**	**0.21**		**0.21**	**0.21**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**479.11**

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	0.00	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
Vendor	0.19	1.91	1.44	0.00	0.14	0.06	0.20	0.01	0.06	0.07	0.00	407.59	407.59	0.01	0.00	407.77
Worker	0.26	0.25	2.77	0.01	0.76	0.03	0.79	0.03	0.03	0.06	0.00	537.86	537.86	0.03	0.00	538.41
Total	**0.45**	**2.16**	**4.21**	**0.01**	**0.90**	**0.09**	**0.99**	**0.04**	**0.09**	**0.13**	**0.00**	**945.45**	**945.45**	**0.04**	**0.00**	**946.18**

3.5 Building Construction - 2017

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	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20
Total	**0.48**	**3.13**	**2.94**	**0.01**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**476.40**	**476.40**	**0.04**	**0.00**	**477.20**

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	0.00	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
Vendor	0.17	1.76	1.34	0.00	0.14	0.06	0.20	0.01	0.06	0.07	0.00	407.14	407.14	0.01	0.00	407.30
Worker	0.25	0.23	2.56	0.01	0.76	0.03	0.78	0.03	0.03	0.06	0.00	524.20	524.20	0.02	0.00	524.71
Total	**0.42**	**1.99**	**3.90**	**0.01**	**0.90**	**0.09**	**0.98**	**0.04**	**0.09**	**0.13**	**0.00**	**931.34**	**931.34**	**0.03**	**0.00**	**932.01**

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	0.48	3.13	2.94	0.01		0.18	0.18		0.18	0.18	0.00	476.40	476.40	0.04	0.00	477.20
Total	**0.48**	**3.13**	**2.94**	**0.01**		**0.18**	**0.18**		**0.18**	**0.18**	**0.00**	**476.40**	**476.40**	**0.04**	**0.00**	**477.20**

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	0.00	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
Vendor	0.17	1.76	1.34	0.00	0.14	0.06	0.20	0.01	0.06	0.07	0.00	407.14	407.14	0.01	0.00	407.30
Worker	0.25	0.23	2.56	0.01	0.76	0.03	0.78	0.03	0.03	0.06	0.00	524.20	524.20	0.02	0.00	524.71
Total	**0.42**	**1.99**	**3.90**	**0.01**	**0.90**	**0.09**	**0.98**	**0.04**	**0.09**	**0.13**	**0.00**	**931.34**	**931.34**	**0.03**	**0.00**	**932.01**

3.5 Building Construction - 2018

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	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97
Total	**0.44**	**2.84**	**2.93**	**0.01**		**0.16**	**0.16**		**0.16**	**0.16**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**478.97**

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	0.00	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
Vendor	0.16	1.65	1.26	0.00	0.14	0.05	0.19	0.00	0.05	0.05	0.00	409.77	409.77	0.01	0.00	409.92
Worker	0.23	0.21	2.38	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	515.15	515.15	0.02	0.00	515.63
Total	**0.39**	**1.86**	**3.64**	**0.01**	**0.90**	**0.08**	**0.98**	**0.01**	**0.08**	**0.09**	**0.00**	**924.92**	**924.92**	**0.03**	**0.00**	**925.55**

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	0.44	2.84	2.93	0.01		0.16	0.16		0.16	0.16	0.00	478.23	478.23	0.04	0.00	478.97
Total	**0.44**	**2.84**	**2.93**	**0.01**		**0.16**	**0.16**		**0.16**	**0.16**	**0.00**	**478.23**	**478.23**	**0.04**	**0.00**	**478.97**

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	0.00	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
Vendor	0.16	1.65	1.26	0.00	0.14	0.05	0.19	0.00	0.05	0.05	0.00	409.77	409.77	0.01	0.00	409.92
Worker	0.23	0.21	2.38	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	515.15	515.15	0.02	0.00	515.63
Total	**0.39**	**1.86**	**3.64**	**0.01**	**0.90**	**0.08**	**0.98**	**0.01**	**0.08**	**0.09**	**0.00**	**924.92**	**924.92**	**0.03**	**0.00**	**925.55**

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	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91
Total	**0.40**	**2.57**	**2.92**	**0.01**		**0.13**	**0.13**		**0.13**	**0.13**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.91**

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	0.00	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
Vendor	0.15	1.54	1.18	0.00	0.14	0.05	0.19	0.00	0.04	0.05	0.00	410.81	410.81	0.01	0.00	410.96
Worker	0.22	0.19	2.22	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	504.85	504.85	0.02	0.00	505.30
Total	**0.37**	**1.73**	**3.40**	**0.01**	**0.90**	**0.08**	**0.98**	**0.01**	**0.07**	**0.09**	**0.00**	**915.66**	**915.66**	**0.03**	**0.00**	**916.26**

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	0.40	2.57	2.92	0.01		0.13	0.13		0.13	0.13	0.00	478.23	478.23	0.03	0.00	478.91
Total	**0.40**	**2.57**	**2.92**	**0.01**		**0.13**	**0.13**		**0.13**	**0.13**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.91**

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	0.00	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
Vendor	0.15	1.54	1.18	0.00	0.14	0.05	0.19	0.00	0.04	0.05	0.00	410.81	410.81	0.01	0.00	410.96
Worker	0.22	0.19	2.22	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	504.85	504.85	0.02	0.00	505.30
Total	**0.37**	**1.73**	**3.40**	**0.01**	**0.90**	**0.08**	**0.98**	**0.01**	**0.07**	**0.09**	**0.00**	**915.66**	**915.66**	**0.03**	**0.00**	**916.26**

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	0.37	2.34	2.91	0.01		0.11	0.11		0.11	0.11	0.00	480.06	480.06	0.03	0.00	480.68
Total	**0.37**	**2.34**	**2.91**	**0.01**		**0.11**	**0.11**		**0.11**	**0.11**	**0.00**	**480.06**	**480.06**	**0.03**	**0.00**	**480.68**

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	0.00	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
Vendor	0.14	1.46	1.11	0.00	0.14	0.04	0.18	0.00	0.04	0.04	0.00	413.37	413.37	0.01	0.00	413.50
Worker	0.22	0.18	2.08	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	497.18	497.18	0.02	0.00	497.60
Total	**0.36**	**1.64**	**3.19**	**0.01**	**0.90**	**0.07**	**0.97**	**0.01**	**0.07**	**0.08**	**0.00**	**910.55**	**910.55**	**0.03**	**0.00**	**911.10**

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	0.37	2.34	2.91	0.01		0.11	0.11		0.11	0.11	0.00	480.06	480.06	0.03	0.00	480.68
Total	**0.37**	**2.34**	**2.91**	**0.01**		**0.11**	**0.11**		**0.11**	**0.11**	**0.00**	**480.06**	**480.06**	**0.03**	**0.00**	**480.68**

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	0.00	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
Vendor	0.14	1.46	1.11	0.00	0.14	0.04	0.18	0.00	0.04	0.04	0.00	413.37	413.37	0.01	0.00	413.50
Worker	0.22	0.18	2.08	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	497.18	497.18	0.02	0.00	497.60
Total	**0.36**	**1.64**	**3.19**	**0.01**	**0.90**	**0.07**	**0.97**	**0.01**	**0.07**	**0.08**	**0.00**	**910.55**	**910.55**	**0.03**	**0.00**	**911.10**

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.33	2.10	2.88	0.01		0.10	0.10		0.10	0.10	0.00	478.23	478.23	0.03	0.00	478.79
Total	**0.33**	**2.10**	**2.88**	**0.01**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.79**

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	0.00	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
Vendor	0.13	1.38	1.04	0.00	0.14	0.04	0.18	0.00	0.04	0.04	0.00	412.70	412.70	0.01	0.00	412.82
Worker	0.21	0.17	1.95	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	487.82	487.82	0.02	0.00	488.23
Total	**0.34**	**1.55**	**2.99**	**0.01**	**0.90**	**0.07**	**0.97**	**0.01**	**0.07**	**0.08**	**0.00**	**900.52**	**900.52**	**0.03**	**0.00**	**901.05**

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	0.33	2.10	2.88	0.01		0.10	0.10		0.10	0.10	0.00	478.23	478.23	0.03	0.00	478.79
Total	**0.33**	**2.10**	**2.88**	**0.01**		**0.10**	**0.10**		**0.10**	**0.10**	**0.00**	**478.23**	**478.23**	**0.03**	**0.00**	**478.79**

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	0.00	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
Vendor	0.13	1.38	1.04	0.00	0.14	0.04	0.18	0.00	0.04	0.04	0.00	412.70	412.70	0.01	0.00	412.82
Worker	0.21	0.17	1.95	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	487.82	487.82	0.02	0.00	488.23
Total	**0.34**	**1.55**	**2.99**	**0.01**	**0.90**	**0.07**	**0.97**	**0.01**	**0.07**	**0.08**	**0.00**	**900.52**	**900.52**	**0.03**	**0.00**	**901.05**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.31	1.89	2.86	0.01		0.08	0.08		0.08	0.08	0.00	476.40	476.40	0.02	0.00	476.92
Total	**0.31**	**1.89**	**2.86**	**0.01**		**0.08**	**0.08**		**0.08**	**0.08**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.92**

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	0.00	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
Vendor	0.13	1.31	0.99	0.00	0.14	0.04	0.18	0.00	0.03	0.04	0.00	412.00	412.00	0.01	0.00	412.12
Worker	0.20	0.15	1.83	0.01	0.76	0.03	0.78	0.01	0.03	0.04	0.00	477.97	477.97	0.02	0.00	478.35
Total	**0.33**	**1.46**	**2.82**	**0.01**	**0.90**	**0.07**	**0.96**	**0.01**	**0.06**	**0.08**	**0.00**	**889.97**	**889.97**	**0.03**	**0.00**	**890.47**

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	0.31	1.89	2.86	0.01		0.08	0.08		0.08	0.08	0.00	476.40	476.40	0.02	0.00	476.92
Total	**0.31**	**1.89**	**2.86**	**0.01**		**0.08**	**0.08**		**0.08**	**0.08**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.92**

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	0.00	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
Vendor	0.13	1.31	0.99	0.00	0.14	0.04	0.18	0.00	0.03	0.04	0.00	412.00	412.00	0.01	0.00	412.12
Worker	0.20	0.15	1.83	0.01	0.76	0.03	0.78	0.01	0.03	0.04	0.00	477.97	477.97	0.02	0.00	478.35
Total	**0.33**	**1.46**	**2.82**	**0.01**	**0.90**	**0.07**	**0.96**	**0.01**	**0.06**	**0.08**	**0.00**	**889.97**	**889.97**	**0.03**	**0.00**	**890.47**

3.5 Building Construction - 2023

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	0.29	1.72	2.86	0.01		0.07	0.07		0.07	0.07	0.00	476.40	476.40	0.02	0.00	476.89
Total	**0.29**	**1.72**	**2.86**	**0.01**		**0.07**	**0.07**		**0.07**	**0.07**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.89**

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	0.00	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
Vendor	0.12	1.26	0.94	0.00	0.14	0.04	0.18	0.00	0.03	0.04	0.00	412.86	412.86	0.01	0.00	412.97
Worker	0.19	0.14	1.73	0.01	0.76	0.03	0.78	0.01	0.03	0.04	0.00	470.58	470.58	0.02	0.00	470.95
Total	**0.31**	**1.40**	**2.67**	**0.01**	**0.90**	**0.07**	**0.96**	**0.01**	**0.06**	**0.08**	**0.00**	**883.44**	**883.44**	**0.03**	**0.00**	**883.92**

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	0.29	1.72	2.86	0.01		0.07	0.07		0.07	0.07	0.00	476.40	476.40	0.02	0.00	476.89
Total	**0.29**	**1.72**	**2.86**	**0.01**		**0.07**	**0.07**		**0.07**	**0.07**	**0.00**	**476.40**	**476.40**	**0.02**	**0.00**	**476.89**

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	0.00	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
Vendor	0.12	1.26	0.94	0.00	0.14	0.04	0.18	0.00	0.03	0.04	0.00	412.86	412.86	0.01	0.00	412.97
Worker	0.19	0.14	1.73	0.01	0.76	0.03	0.78	0.01	0.03	0.04	0.00	470.58	470.58	0.02	0.00	470.95
Total	**0.31**	**1.40**	**2.67**	**0.01**	**0.90**	**0.07**	**0.96**	**0.01**	**0.06**	**0.08**	**0.00**	**883.44**	**883.44**	**0.03**	**0.00**	**883.92**

3.5 Building Construction - 2024

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	0.28	1.58	2.87	0.01		0.06	0.06		0.06	0.06	0.00	480.06	480.06	0.02	0.00	480.53
Total	**0.28**	**1.58**	**2.87**	**0.01**		**0.06**	**0.06**		**0.06**	**0.06**	**0.00**	**480.06**	**480.06**	**0.02**	**0.00**	**480.53**

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	0.00	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
Vendor	0.12	1.23	0.90	0.00	0.14	0.03	0.18	0.00	0.03	0.04	0.00	416.50	416.50	0.01	0.00	416.60
Worker	0.19	0.14	1.65	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	467.74	467.74	0.02	0.00	468.09
Total	**0.31**	**1.37**	**2.55**	**0.01**	**0.90**	**0.06**	**0.97**	**0.01**	**0.06**	**0.08**	**0.00**	**884.24**	**884.24**	**0.03**	**0.00**	**884.69**

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	0.28	1.58	2.87	0.01		0.06	0.06		0.06	0.06	0.00	480.06	480.06	0.02	0.00	480.53
Total	**0.28**	**1.58**	**2.87**	**0.01**		**0.06**	**0.06**		**0.06**	**0.06**	**0.00**	**480.06**	**480.06**	**0.02**	**0.00**	**480.53**

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	0.00	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
Vendor	0.12	1.23	0.90	0.00	0.14	0.03	0.18	0.00	0.03	0.04	0.00	416.50	416.50	0.01	0.00	416.60
Worker	0.19	0.14	1.65	0.01	0.76	0.03	0.79	0.01	0.03	0.04	0.00	467.74	467.74	0.02	0.00	468.09
Total	**0.31**	**1.37**	**2.55**	**0.01**	**0.90**	**0.06**	**0.97**	**0.01**	**0.06**	**0.08**	**0.00**	**884.24**	**884.24**	**0.03**	**0.00**	**884.69**

3.5 Building Construction - 2025

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	0.14	0.77	1.53	0.00		0.03	0.03		0.03	0.03	0.00	256.52	256.52	0.01	0.00	256.75
Total	**0.14**	**0.77**	**1.53**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**256.52**	**256.52**	**0.01**	**0.00**	**256.75**

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	0.00	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
Vendor	0.06	0.64	0.46	0.00	0.08	0.02	0.09	0.00	0.02	0.02	0.00	222.88	222.88	0.00	0.00	222.94
Worker	0.10	0.07	0.84	0.00	0.41	0.01	0.42	0.01	0.01	0.02	0.00	246.67	246.67	0.01	0.00	246.84
Total	**0.16**	**0.71**	**1.30**	**0.00**	**0.49**	**0.03**	**0.51**	**0.01**	**0.03**	**0.04**	**0.00**	**469.55**	**469.55**	**0.01**	**0.00**	**469.78**

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	0.14	0.77	1.53	0.00		0.03	0.03		0.03	0.03	0.00	256.52	256.52	0.01	0.00	256.75
Total	**0.14**	**0.77**	**1.53**	**0.00**		**0.03**	**0.03**		**0.03**	**0.03**	**0.00**	**256.52**	**256.52**	**0.01**	**0.00**	**256.75**

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	0.00	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
Vendor	0.06	0.64	0.46	0.00	0.08	0.02	0.09	0.00	0.02	0.02	0.00	222.88	222.88	0.00	0.00	222.94
Worker	0.10	0.07	0.84	0.00	0.41	0.01	0.42	0.01	0.01	0.02	0.00	246.67	246.67	0.01	0.00	246.84
Total	**0.16**	**0.71**	**1.30**	**0.00**	**0.49**	**0.03**	**0.51**	**0.01**	**0.03**	**0.04**	**0.00**	**469.55**	**469.55**	**0.01**	**0.00**	**469.78**

3.6 Paving - 2025

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	0.15	0.94	1.18	0.00		0.06	0.06		0.06	0.06	0.00	160.09	160.09	0.01	0.00	160.35
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.15**	**0.94**	**1.18**	**0.00**		**0.06**	**0.06**		**0.06**	**0.06**	**0.00**	**160.09**	**160.09**	**0.01**	**0.00**	**160.35**

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	7.63	7.63	0.00	0.00	7.64
Total	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**7.63**	**7.63**	**0.00**	**0.00**	**7.64**

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	0.15	0.94	1.18	0.00		0.06	0.06		0.06	0.06	0.00	160.09	160.09	0.01	0.00	160.35
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.15**	**0.94**	**1.18**	**0.00**		**0.06**	**0.06**		**0.06**	**0.06**	**0.00**	**160.09**	**160.09**	**0.01**	**0.00**	**160.35**

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	7.63	7.63	0.00	0.00	7.64
Total	**0.00**	**0.00**	**0.03**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**7.63**	**7.63**	**0.00**	**0.00**	**7.64**

3.6 Paving - 2026

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	0.12	0.75	0.93	0.00		0.05	0.05		0.05	0.05	0.00	127.01	127.01	0.01	0.00	127.22
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.12**	**0.75**	**0.93**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**127.01**	**127.01**	**0.01**	**0.00**	**127.22**

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.06	6.06	0.00	0.00	6.06
Total	**0.00**	**0.00**	**0.02**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**6.06**	**6.06**	**0.00**	**0.00**	**6.06**

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	0.12	0.75	0.93	0.00		0.05	0.05		0.05	0.05	0.00	127.01	127.01	0.01	0.00	127.22
Paving	0.00					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.12**	**0.75**	**0.93**	**0.00**		**0.05**	**0.05**		**0.05**	**0.05**	**0.00**	**127.01**	**127.01**	**0.01**	**0.00**	**127.22**

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	0.00	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
Vendor	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
Worker	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	6.06	6.06	0.00	0.00	6.06
Total	**0.00**	**0.00**	**0.02**	**0.00**	**0.01**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**6.06**	**6.06**	**0.00**	**0.00**	**6.06**

3.7 Architectural Coating - 2026

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	6.09					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.15	0.00		0.00	0.00		0.00	0.00	0.00	21.04	21.04	0.00	0.00	21.06
Total	**6.10**	**0.09**	**0.15**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**21.04**	**21.04**	**0.00**	**0.00**	**21.06**

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	0.00	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
Vendor	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
Worker	0.02	0.02	0.20	0.00	0.10	0.00	0.10	0.00	0.00	0.00	0.00	58.28	58.28	0.00	0.00	58.32
Total	**0.02**	**0.02**	**0.20**	**0.00**	**0.10**	**0.00**	**0.10**	**0.00**	**0.00**	**0.00**	**0.00**	**58.28**	**58.28**	**0.00**	**0.00**	**58.32**

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	6.09					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.01	0.09	0.15	0.00		0.00	0.00		0.00	0.00	0.00	21.04	21.04	0.00	0.00	21.06
Total	**6.10**	**0.09**	**0.15**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**21.04**	**21.04**	**0.00**	**0.00**	**21.06**

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	0.00	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
Vendor	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
Worker	0.02	0.02	0.20	0.00	0.10	0.00	0.10	0.00	0.00	0.00	0.00	58.28	58.28	0.00	0.00	58.32
Total	**0.02**	**0.02**	**0.20**	**0.00**	**0.10**	**0.00**	**0.10**	**0.00**	**0.00**	**0.00**	**0.00**	**58.28**	**58.28**	**0.00**	**0.00**	**58.32**

3.7 Architectural Coating - 2027

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	1.92					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.05	0.00		0.00	0.00		0.00	0.00	0.00	6.63	6.63	0.00	0.00	6.64
Total	**1.92**	**0.03**	**0.05**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**6.63**	**6.63**	**0.00**	**0.00**	**6.64**

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	0.00	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
Vendor	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
Worker	0.01	0.01	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.37	18.37	0.00	0.00	18.38
Total	**0.01**	**0.01**	**0.06**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**18.37**	**18.37**	**0.00**	**0.00**	**18.38**

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	1.92					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Off-Road	0.00	0.03	0.05	0.00		0.00	0.00		0.00	0.00	0.00	6.63	6.63	0.00	0.00	6.64
Total	**1.92**	**0.03**	**0.05**	**0.00**		**0.00**	**0.00**		**0.00**	**0.00**	**0.00**	**6.63**	**6.63**	**0.00**	**0.00**	**6.64**

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	0.00	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
Vendor	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
Worker	0.01	0.01	0.06	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	18.37	18.37	0.00	0.00	18.38
Total	**0.01**	**0.01**	**0.06**	**0.00**	**0.03**	**0.00**	**0.03**	**0.00**	**0.00**	**0.00**	**0.00**	**18.37**	**18.37**	**0.00**	**0.00**	**18.38**

4.0 Mobile Detail

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	6.45	10.43	50.05	0.19	19.75	0.89	20.64	0.30	0.77	1.07	0.00	12,996.32	12,996.32	0.39	0.00	13,004.44
Unmitigated	6.45	10.43	50.05	0.19	19.75	0.89	20.64	0.30	0.77	1.07	0.00	12,996.32	12,996.32	0.39	0.00	13,004.44
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	668.15	652.05	652.05	2,210,003	2,210,003
Condo/Townhouse High Rise	501.12	361.44	361.44	1,536,099	1,536,099
General Office Building	401.66	86.40	86.40	995,055	995,055
High Turnover (Sit Down Restaurant)	3,274.20	4,078.82	4078.82	6,378,851	6,378,851
Hotel	213.60	1,008.00	1008.00	1,226,598	1,226,598
Parking Structure	0.00	0.00	0.00		
Place of Worship	530.00	1,060.00	1060.00	2,268,825	2,268,825
Quality Restaurant	2,900.23	3,041.48	3041.48	5,347,232	5,347,232
Regional Shopping Center	3,728.35	4,339.43	4339.43	10,233,493	10,233,493
Strip Mall	2,675.93	2,538.15	2538.15	6,057,428	6,057,428
Total	14,893.24	17,165.76	17,165.76	36,253,584	36,253,584

4.3 Trip Type Information

	Miles			Trip %		
Land Use	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
Condo/Townhouse	12.70	7.00	9.50	40.20	19.20	40.60
Condo/Townhouse High Rise	12.70	7.00	9.50	40.20	19.20	40.60
General Office Building	8.90	13.30	7.40	33.00	48.00	19.00
High Turnover (Sit Down Restaurant)	8.90	13.30	7.40	8.50	72.50	19.00
Hotel	8.90	13.30	7.40	19.40	61.60	19.00
Parking Structure	8.90	13.30	7.40	0.00	0.00	0.00
Place of Worship	8.90	13.30	7.40	0.00	95.00	5.00
Quality Restaurant	8.90	13.30	7.40	12.00	69.00	19.00
Regional Shopping Center	8.90	13.30	7.40	16.30	64.70	19.00
Strip Mall	8.90	13.30	7.40	16.60	64.40	19.00

5.0 Energy Detail

5.1 Mitigation Measures Energy

Exceed Title 24

Install Energy Efficient Appliances

	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						0.00	0.00		0.00	0.00	0.00	2,558.65	2,558.65	0.12	0.04	2,574.69
Electricity Unmitigated						0.00	0.00		0.00	0.00	0.00	2,669.46	2,669.46	0.12	0.05	2,686.19
NaturalGas Mitigated	0.17	1.54	1.18	0.01		0.00	0.12		0.00	0.12	0.00	1,689.69	1,689.69	0.03	0.03	1,699.98
NaturalGas Unmitigated	0.19	1.67	1.28	0.01		0.00	0.13		0.00	0.13	0.00	1,838.31	1,838.31	0.04	0.03	1,849.50
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	tons/yr										MT/yr					
Condo/Townhouse	2.94645e+006	0.02	0.14	0.06	0.00		0.00	0.01		0.00	0.01	0.00	157.23	157.23	0.00	0.00	158.19
Condo/Townhouse High Rise	3.68946e+006	0.02	0.17	0.07	0.00		0.00	0.01		0.00	0.01	0.00	196.88	196.88	0.00	0.00	198.08
General Office Building	368256	0.00	0.02	0.02	0.00		0.00	0.00		0.00	0.00	0.00	19.65	19.65	0.00	0.00	19.77
High Turnover (Sit Down Restaurant)	8.74061e+006	0.05	0.43	0.36	0.00		0.00	0.03		0.00	0.03	0.00	466.43	466.43	0.01	0.01	469.27
Hotel	6.23256e+006	0.03	0.31	0.26	0.00		0.00	0.02		0.00	0.02	0.00	332.59	332.59	0.01	0.01	334.62
Parking Structure	0	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
Place of Worship	1.09293e+006	0.01	0.05	0.05	0.00		0.00	0.00		0.00	0.00	0.00	58.32	58.32	0.00	0.00	58.68
Quality Restaurant	1.10087e+007	0.06	0.54	0.45	0.00		0.00	0.04		0.00	0.04	0.00	587.47	587.47	0.01	0.01	591.04
Regional Shopping Center	222507	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	11.87	11.87	0.00	0.00	11.95
Strip Mall	147108	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	7.85	7.85	0.00	0.00	7.90
Total		**0.19**	**1.68**	**1.29**	**0.00**		**0.00**	**0.11**		**0.00**	**0.11**	**0.00**	**1,838.29**	**1,838.29**	**0.03**	**0.03**	**1,849.50**

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	tons/yr										MT/yr					
Condo/Townhouse	2.56285e+006	0.01	0.12	0.05	0.00		0.00	0.01		0.00	0.01	0.00	136.76	136.76	0.00	0.00	137.60
Condo/Townhouse High Rise	3.20913e+006	0.02	0.15	0.06	0.00		0.00	0.01		0.00	0.01	0.00	171.25	171.25	0.00	0.00	172.29
General Office Building	316186	0.00	0.02	0.01	0.00		0.00	0.00		0.00	0.00	0.00	16.87	16.87	0.00	0.00	16.98
High Turnover (Sit Down Restaurant)	8.32916e+006	0.04	0.41	0.34	0.00		0.00	0.03		0.00	0.03	0.00	444.48	444.48	0.01	0.01	447.18
Hotel	5.43228e+006	0.03	0.27	0.22	0.00		0.00	0.02		0.00	0.02	0.00	289.89	289.89	0.01	0.01	291.65
Parking Structure	0	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
Place of Worship	980960	0.01	0.05	0.04	0.00		0.00	0.00		0.00	0.00	0.00	52.35	52.35	0.00	0.00	52.67
Quality Restaurant	1.04905e+007	0.06	0.51	0.43	0.00		0.00	0.04		0.00	0.04	0.00	559.81	559.81	0.01	0.01	563.22
Regional Shopping Center	206226	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	11.01	11.01	0.00	0.00	11.07
Strip Mall	136344	0.00	0.01	0.01	0.00		0.00	0.00		0.00	0.00	0.00	7.28	7.28	0.00	0.00	7.32
Total		**0.17**	**1.55**	**1.17**	**0.00**		**0.00**	**0.11**		**0.00**	**0.11**	**0.00**	**1,689.70**	**1,689.70**	**0.03**	**0.03**	**1,699.98**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Condo/Townhouse	486877					141.62	0.01	0.00	142.51
Condo/Townhouse High Rise	609654					177.33	0.01	0.00	178.44
General Office Building	599808					174.47	0.01	0.00	175.56
High Turnover (Sit Down Restaurant)	1.30497e+006					379.58	0.02	0.01	381.96
Hotel	1.75808e+006					511.37	0.02	0.01	514.58
Parking Structure	0					0.00	0.00	0.00	0.00
Place of Worship	466667					135.74	0.01	0.00	136.59
Quality Restaurant	1.6436e+006					478.08	0.02	0.01	481.07
Regional Shopping Center	1.38931e+006					404.11	0.02	0.01	406.64
Strip Mall	918528					267.17	0.01	0.00	268.85
Total						**2,669.47**	**0.13**	**0.04**	**2,686.20**

Mitigated

	Electricity Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	kWh	tons/yr				MT/yr			
Condo/Townhouse	465159					135.30	0.01	0.00	136.15
Condo/Townhouse High Rise	603725					175.61	0.01	0.00	176.71
General Office Building	566630					164.82	0.01	0.00	165.85
High Turnover (Sit Down Restaurant)	1.25201e+006					364.17	0.02	0.01	366.46
Hotel	1.66948e+006					485.60	0.02	0.01	488.65
Parking Structure	0					0.00	0.00	0.00	0.00
Place of Worship	451591					131.35	0.01	0.00	132.18
Quality Restaurant	1.5769e+006					458.88	0.02	0.01	461.55
Regional Shopping Center	1.33103e+006					387.16	0.02	0.01	389.58
Strip Mall	879993					255.96	0.01	0.00	257.57
Total						**2,558.65**	**0.13**	**0.04**	**2,574.70**

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	4.06	0.05	3.93	0.00		0.00	0.03		0.00	0.03	0.00	193.03	193.03	0.01	0.00	194.29
Unmitigated	4.06	0.05	3.93	0.00		0.00	0.03		0.00	0.03	0.00	193.03	193.03	0.01	0.00	194.29
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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	0.80					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	3.12					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.02	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	186.59	186.59	0.00	0.00	187.72
Landscaping	0.12	0.05	3.93	0.00		0.00	0.02		0.00	0.02	0.00	6.44	6.44	0.01	0.00	6.57
Total	**4.06**	**0.05**	**3.93**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**	**0.00**	**193.03**	**193.03**	**0.01**	**0.00**	**194.29**

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	0.80					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	3.12					0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.02	0.00	0.00	0.00		0.00	0.01		0.00	0.01	0.00	186.59	186.59	0.00	0.00	187.72
Landscaping	0.12	0.05	3.93	0.00		0.00	0.02		0.00	0.02	0.00	6.44	6.44	0.01	0.00	6.57
Total	**4.06**	**0.05**	**3.93**	**0.00**		**0.00**	**0.03**		**0.00**	**0.03**	**0.00**	**193.03**	**193.03**	**0.01**	**0.00**	**194.29**

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr				MT/yr			
Mitigated					278.56	1.59	0.04	325.44
Unmitigated					332.89	1.98	0.05	391.40
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Condo/Townhouse	7.49271 / 4.72367					43.73	0.23	0.01	50.56
Condo/Townhouse High Rise	9.38218 / 5.91485					54.75	0.29	0.01	63.31
General Office Building	6.82498 / 4.18305					39.44	0.21	0.01	45.67
High Turnover (Sit Down Restaurant)	10.0712 / 0.642846					40.33	0.31	0.01	49.41
Hotel	3.04401 / 0.338224					12.66	0.09	0.00	15.40
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Place of Worship	1.58025 / 2.47167					13.99	0.05	0.00	15.46
Quality Restaurant	12.6847 / 0.80966					50.80	0.39	0.01	62.23
Regional Shopping Center	8.03983 / 4.92764					46.46	0.25	0.01	53.80
Strip Mall	5.31544 / 3.25785					30.72	0.16	0.00	35.57
Total						**332.88**	**1.98**	**0.06**	**391.41**

Mitigated

	Indoor/Outdoor Use	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr				MT/yr			
Condo/Townhouse	5.99417 / 4.43552					37.10	0.18	0.01	42.58
Condo/Townhouse High Rise	7.50574 / 5.55405					46.46	0.23	0.01	53.32
General Office Building	5.45998 / 3.92788					33.43	0.17	0.00	38.42
High Turnover (Sit Down Restaurant)	8.057 / 0.603632					32.56	0.25	0.01	39.82
Hotel	2.43521 / 0.317592					10.28	0.07	0.00	12.47
Parking Structure	0 / 0					0.00	0.00	0.00	0.00
Place of Worship	1.2642 / 2.3209					12.30	0.04	0.00	13.49
Quality Restaurant	10.1477 / 0.760271					41.00	0.31	0.01	50.15
Regional Shopping Center	6.43187 / 4.62705					39.39	0.20	0.01	45.26
Strip Mall	4.25236 / 3.05912					26.04	0.13	0.00	29.93
Total						**278.56**	**1.58**	**0.05**	**325.44**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
	tons/yr				MT/yr			
Mitigated					1,998.01	118.08	0.00	4,477.66
Unmitigated					1,998.01	118.08	0.00	4,477.66
Total	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Condo/Townhouse	52.9					10.74	0.63	0.00	24.07
Condo/Townhouse High Rise	66.24					13.45	0.79	0.00	30.13
General Office Building	35.71					7.25	0.43	0.00	16.25
High Turnover (Sit Down Restaurant)	394.84					80.15	4.74	0.00	179.62
Hotel	65.7					13.34	0.79	0.00	29.89
Parking Structure	0					0.00	0.00	0.00	0.00
Place of Worship	9000					1,826.92	107.97	0.00	4,094.24
Quality Restaurant	38.13					7.74	0.46	0.00	17.35
Regional Shopping Center	113.97					23.13	1.37	0.00	51.85
Strip Mall	75.35					15.30	0.90	0.00	34.28
Total						**1,998.02**	**118.08**	**0.00**	**4,477.68**

Mitigated

	Waste Disposed	ROG	NOx	CO	SO2	Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr				MT/yr			
Condo/Townhouse	52.9					10.74	0.63	0.00	24.07
Condo/Townhouse High Rise	66.24					13.45	0.79	0.00	30.13
General Office Building	35.71					7.25	0.43	0.00	16.25
High Turnover (Sit Down Restaurant)	394.84					80.15	4.74	0.00	179.62
Hotel	65.7					13.34	0.79	0.00	29.89
Parking Structure	0					0.00	0.00	0.00	0.00
Place of Worship	9000					1,826.92	107.97	0.00	4,094.24
Quality Restaurant	38.13					7.74	0.46	0.00	17.35
Regional Shopping Center	113.97					23.13	1.37	0.00	51.85
Strip Mall	75.35					15.30	0.90	0.00	34.28
Total						**1,998.02**	**118.08**	**0.00**	**4,477.68**

9.0 Vegetation

CalEEMod Emissions Summary (Existing & Buildout)

lbs/day	ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total	CO2e
Annual							
Existing (2011 Model Run)							
Area	1.97	0.03	2.31	0	0.02	0.02	108
Energy	0.03	0.3	0.18	0	0.02	0.02	1,513
Mobile	9.33	17.98	95.91	0.13	14.2	1.16	12,244
Waste					0	0	1,710
Water					0	0	1,524
Total	11.33	18.31	98.4	0.13	14.24	1.2	17,099
Service Population							1,100
Project							
Area	4.06	0.05	3.93	0	0.03	0.03	194
Energy	0	2	1	0	0	0	4,536
Mobile	6.45	10.43	50.05	0.19	20.64	1.07	13,004
Waste					0	0	4,478
Water					0	0	325
Amortized Construction							635
Total	10.7	12.15	55.26	0.2	20.8	1.23	23,173
Net Increase	-0.63	-6.16	-43.14	0.07	6.56	0.03	6,074
Service Population							1,689
Per-Capita Increase						13.7	3.6
Screening Threshold							**3,000**
Efficiency Threhold (Per Service Population: Residents + Employees)							**4.8**
Summer							
Existing							
Area	10.94	0.14	12.00	0.00	0.26	0.26	3,090
Energy	0.18	1.62	0.97	0.01	0.13	0.13	2,027
Mobile	27.97	43.72	217.68	0.87	100.55	4.72	65,698
Total	39.09	45.48	230.65	0.88	100.94	5.11	70,814
Project							
Area	22.64	0.25	21.59	0.00	0.47	0.46	5,558
Energy	1.02	9.15	6.99	0.06	0.70	0.70	11,171
Mobile	41.38	64.78	317.43	1.25	144.57	6.81	94,678
Total	65.04	74.18	346.01	1.31	145.74	7.97	111,406
Net Increase	26	29	115	0.43	45	3	40,592
SCAQMD	**55**	**55**	**550**	**150**	**150**	**55**	
Winter							
Existing							
Area	10.94	0.14	12.00	0.00	0.26	0.26	3,090
Energy	0.18	1.62	0.97	0.01	0.13	0.13	2,027
Mobile	29.36	46.63	214.81	0.81	100.56	4.73	62,130
Total	40.48	48.39	227.78	0.82	100.95	5.12	67,246
Project							
Area	22.64	0.25	21.59	0.00	0.47	0.46	5,558
Energy	1.02	9.15	6.99	0.06	0.70	0.70	11,171
Mobile	43.28	68.85	314.70	1.17	144.58	6.82	89,539
Total	66.94	78.25	343.28	1.23	145.75	7.98	106,268
Net Increase	26	30	116	0	45	3	39,022
SCAQMD	**55**	**55**	**550**	**150**	**150**	**55**	

Construction CalEEMod Worksheet (Worst-Case Phase)

		ROG	NOx	CO	SO2	PM10 Total	PM2.5 Total
	Demolition						
Onsite	Fugitive Dust					0.17	0
	Off-Road	9.34	75.14	44.19	0.07	3.8	3.8
Offsite	Total	0.19	1.14	1.72	0	8.76	0.07
	Total	9.53	76.28	45.91	0.07	12.73	3.87
	LSTs	9.34	75.14	44.19	0.07	3.97	3.8
	Site Preparation						
Onsite	Fugitive Dust					7.73	4.25
	Off-Road	10.43	84.72	47.82	0.07	4.27	4.27
Offsite	Total	1.62	15.61	10.68	0.02	76.51	0.73
	Total	12.05	100.33	58.5	0.09	88.51	9.25
	LSTs	10.43	84.72	47.82	0.07	12	8.52
	Grading						
Onsite	Fugitive Dust					3.71	1.42
	Off-Road	12.5	103.9	55.13	0.1	5.01	5.01
Offsite	Total	0.12	0.13	1.45	0	0.32	0.02
	Total	12.62	104.03	56.58	0.1	9.04	6.45
	LSTs	12.5	103.9	55.13	0.1	8.72	6.43
	Building Construction						
Onsite							
	Off-Road	5.63	37.37	23.73	0.04	2.54	2.54
Offsite	Total	4.56	24.3	44.59	0.08	8.54	1.25
	Total	10.19	61.67	68.32	0.12	11.08	3.79
	LSTs	5.63	37.37	23.73	0.04	2.54	2.54
	Paving						
Onsite	Off-Road	5.86	35.62	21.08	0.03	3.13	3.13
	Paving	0				0	0
Offsite	Total	0.09	0.1	1.09	0	0.24	0.02
	Total	5.95	35.72	22.17	0.03	3.37	3.15
	LSTs	5.86	35.62	21.08	0.03	3.13	3.13
	Coatings						
Onsite	Archit. Coating	73.85				0	0
	Off-Road	0.52	3.16	1.96	0	0.29	0.29
Offsite	Total	0.52	0.54	6.08	0.01	1.33	0.09
	Total	74.89	3.7	8.04	0.01	1.62	0.38
	LSTs	74.37	3.16	1.96	0	0.29	0.29
OVERLAP (ALL PHASES)		125	382	260	0	126	27
SCAQMD's Regional Thresholds		100	100	550	150	150	55
LSTs			340	194		31	25
SCAQMD's Localized Thresholds			183	1,253		13	7

CalEEMod Construction Defaults

					3.8 years
Demolition	Demolition	1/2/2011	3/11/2011	5 Days/Week	50 days
Site Preparation	Site Preparation	3/12/2011	4/22/2011	5 Days/Week	30 days
Grading	Grading	4/23/2011	8/5/2011	5 Days/Week	75 days
Building Construction	Building Construction	8/6/2011	6/6/2014	5 Days/Week	740 days
Paving	Paving	6/7/2014	8/22/2014	5 Days/Week	55 days
Architectural Coating	Architectural Coating	8/23/2014	11/7/2014	5 Days/Week	55 days

Interpolated for ~15 Year construction Schedule 15 years

Demolition	Demolition	1/1/2012		5 Days/Week	197 days
Site Preparation	Site Preparation	1/1/2012		5 Days/Week	118 days
Grading	Grading	1/1/2012		5 Days/Week	296 days
Building Construction	Building Construction	1/1/2012		5 Days/Week	2,921 days
Paving	Paving	1/1/2012		5 Days/Week	217 days
Architectural Coating	Architectural Coating	1/1/2012		5 Days/Week	217 days
Assumes overlap of all phases					15 years

Demoltion Sqft	80,030	sqft	
Subterranean Excavation	701,220	cubic feet	(assumes 13 feet of excavation)
	25,971	cubic yards	

The parking structure is shown as 174' x 310' for a total of 53,940 sq.ft. per floor--215,760 for 4 floors.

Weekday

Existing				Buildout		w/o Trip Reductions		W/Trip Reductions		Net
	Units	Trip Rate	Trips		Units	Trip Rate	Trips	Trip Rate	Trips	
Retail	71,910	41.85	3,010	Retail	71,760	44.32	3,180	37.29	2,676	
Restaurant	3,100	127.15	394	Restaurant (High Turnover)	33,180	127.15	4,219	98.68	3,274	
Grocery	1,200	102.24	123	Restaurant (Quality)	41,790	89.95	3,759	69.40	2,900	
Medical Office	2,880	36.13	104	Hotel	120	2.23	268	1.78	214	
Auto Repair	58,450	0.00	0	Meeting/Banquet Seats	1,000	0.66	660	0.53	528	
Mall	135,680	42.94	5,826	Office	38,400	11.01	423	10.46	402	
Fire Station	17,500	0	0	Mall	108,540	42.94	4,661	34.35	3,729	
Total	**290,720**		**9,457**	Fire Station	17,500	0	0	0	0	
				Subtotal	*312,290*		*17,169*		*13,723*	
				Residential (Senior)	144	3.48	501	3.48	501	
				Residential (Condo/Townhouse)	115	5.81	668	5.81	668	
Note: Place of Worship used as surrogate for Banquet seats				*Subtotal*	*259*		*1,169*		*1,169*	
				Total	**312,549**		**18,339**		**14,892**	**5,435**

Weekend

Existing				Buildout		w/o Trip Reductions		W/Trip Reductions		Net
	Units	Trip Rate	Trips		Units	Trip Rate	Trips	Trip Rate	Trips	
Retail	71,910	39.70	2,855	Retail	71,760	42.04	3,017	35.37	2,538	
Restaurant	3,100	158.37	491	Restaurant (High Turnover)	33,180	158.40	5,256	122.93	4,079	
Grocery	1,200	42.04	50	Restaurant (Quality)	41,790	94.34	3,942	72.78	3,042	
Medical Office	2,880	8.96	26	Hotel	120	10.50	1,260	8.40	1,008	
Auto Repair	58,450	15.86	927	Meeting/Banquet Seats	1,000	1.32	1,320	1.06	1,056	
Mall	135,680	49.97	6,780	Office	38,400	2.37	91	2.25	86	
Fire Station	17,500	0	0	Mall	108,540	49.97	5,424	39.98	4,339	
Total	**290,720**		**11,129**	Fire Station	17,500	0	0	0	0	
				Subtotal	312,290		20,310		*16,149*	
Note: Place of Worship used as surrogate for Banquet seats				Residential (Senior)	144	2.51	361	2.51	361	
				Residential (Condo/Townhouse)	115	5.67	652	5.67	652	
					259		*1,013*		*1,013*	
					312,549		**21,323**		**17,162**	**6,032**

Notes: Retirement community run as High Density Condos because of error in Electricity/Natural Gas in year 2030.

Population & Employment Existing				**Pop & Employment (project)**			
People	490	Employment		People	881	Employment	
Employment	610	Retail	601	Employment	808	Retail/Service	555
Service Pop	1100	Office	9	Service Population	1689	Office	131
						Hotel	122

Based on 3.4 person per household (DOF 2009).

Based on 450 sqft per employee (retail) and 352 sqft per employee (medical office)

Existing Trip Generation Worksheet

Trip Generation - Existing Weekday

		Quantity	Daily
1	Retail (Shopping Center)	135.68	5,826
2	Retail	5	222
3	Retail	2.4	106
	Restaurant (High-turn around)	1.2	153
	Grocery	1.2	123
4	Retail	7.6	337
	Restaurant (High-turn around)	1.9	242
6	Auto Repair	15.35	
7	Auto Repair	11	
8	Retail	15.39	682
9	Auto Repair	10.7	
10	Auto Repair	10.7	
11	Auto Repair	10.7	
12	Retail	13.68	606
13	Retail	8.64	383
	Medical Office	2.88	104
14	Retail	11.2	496
15	Retail	4	177
			9,457

Weekday

	Quantity	Trips	Trip Rate
Retail	67.91	3,010	44.32
Restaurant	3.10	394	127.15
Grocery	1.20	123	102.24
Medical Office	2.88	104	36.13
Auto Repair	58.45	0	0
Mall	135.68	5,826	42.94
Subtotal			

Trip Generation - Existing Weekend

		Quantity	Daily
1	Retail (Shopping Center)	135.68	6,780
2	Retail	5	210
3	Retail	2.4	101
	Restaurant (High-turn around)	1.2	190
	Grocery	1.2	50
4	Retail	7.6	320
	Restaurant (High-turn around)	1.9	301
6	Auto Repair	15.35	243
7	Auto Repair	11	174
8	Retail	15.39	647
9	Auto Repair	10.7	170
10	Auto Repair	10.7	170
11	Auto Repair	10.7	170
12	Retail	13.68	575
13	Retail	8.64	363
	Medical Office	2.88	26
14	Retail	11.2	471
15	Retail	4	168
	Subtotal		11,129

Weekday

	Quantity	Trips	Trip Rate
Retail	67.91	2,855	42.04
Restaurant	3.10	491	158.37
Grocery	1.20	50	42.04
Medical Office	2.88	26	8.96
Auto Repair	58.45	927	15.86
Mall	135.68	6,780	49.97
Subtotal			

FUTURE (2030) TRIP GENERATION WORKSHEET

Trip Generation - Future Weekday

Zone	Description	Daily Quantity	Without Trip Reductions Daily	With Trip Reductions	
1	Retail	42	1,861	1,489	
	Retail (Shopping Center)	108.54	4,661	3,729	
	Restaurant (High-turn around)	25.25	3,211	2,568	
	Restaurant (Dine in)	29.88	2,688	2,150	
	Hotel	120	268	214	
	Meeting/Banquet Space Seats)	1000	660	528	
2	Retail	29.76	1,319	1,187	
	Restaurant (High-turn around)	7.93	1,008	706	
	Restaurant (Dine in)	11.91	1,071	750	
	Office	38.4	423	402	
	Residential (Condo/Townhouse)	115	668	668	
	Residential (Senior Adult Housing)	144	501	501	
			18,339	14,892	3,447
	Internal Trip Capture[1] (20 percent)		2,670		
	Internal Trip Capture - Retail[1] (10 percent)		132		
	Internal Trip Capture - Restaurant[1] (30 percent)		624		
	Internal Trip Capture - Office[1] (5 percent)		21		
			3,447		

Weekday

	Quantity	Trips	Trip Rate	Trips	Trip Rate
Retail	71,760	3,180	44.32	2,676	37.29
Restaurant (High Turnover)	33,180	4,219	127.15	3,274	98.68
Restaurant (Quality)	41,790	3,759	89.95	2,900	69.40
Hotel	120	268	2.23	214	1.78
Meeting/Banquet Seats	1,000	660	0.66	528	0.53
Office	38,400	423	11.01	402	10.46
Mall	108,540	4,661	42.94	3,729	34.35
Subtotal	*294,790*	*17,169*		*13,723*	
Residential (Senior)	144	501	3.48	501	3.48
Residential (Condo/Townhouse)	115	668	5.81	668	5.81
Subtotal	*259*	*1,169*		*1,169*	
Total	**295,049**	**18,339**		**14,892**	

Trip Generation - Future Weekend		Daily	Without Trip Reductions	With Trip Reductions	
Zone	Description	Quantity	Daily		
1	Retail	42.00	1,766	1,413	
	Retail (Shopping Center)	108.54	5,424	4,339	
	Restaurant (High-turn around)	25.25	3,999	3,199	
	Restaurant (Dine in)	29.88	2,819	2,256	
	Hotel	120	1,260	1,008	
	Meeting/Banquet Space	1000	1,320	1,056	
2	Retail	29.76	1,251	1,126	
	Restaurant (High-turn around)	7.93	1,257	880	
	Restaurant (Dine in)	11.91	1,123	786	
	Office	38.40	91	86	
	Residential	115	652	652	
	Residential (SeniorAdult Housing)	144	361	361	
			21,323	17,162	4,161
	Internal Trip Capture[1] (20 percent)		3,318		
	Internal Trip Capture - Retail[1] (10 percent)		125		
	Internal Trip Capture - Restaurant[1] (30 percent)		714		
	Internal Trip Capture - Office[1] (5 percent)		5		
			4,161		
	Weekday				

	Quantity	Trips	Trip Rate	Trips	Trip Rate
Retail	71,760	3,017	42.04	2,538	35.37
Restaurant (High Turnover)	33,180	5,256	158.40	4,079	122.93
Restaurant (Quality)	41,790	3,942	94.34	3,042	72.78
Hotel	120	1,260	10.50	1,008	8.40
Meeting/Banquet Seats	1,000	1,320	1.32	1,056	1.06
Office	38,400	91	2.37	86	2.25
Mall	108,540	5,424	49.97	4,339	39.98
Subtotal	*294,790*	*20,310*		*16,149*	
Residential (Senior)	144	361	2.51	361	2.51
Residential (Condo/Townhouse)	115	652	5.67	652	5.67
Subtotal	*259*	*1,013*		*1,013*	
Total	**295,049**	**21,323**		**17,162**	

Localized Significance Thresholds
Worksheets

Construction Localized Significance Thresholds

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
17	5.00	25	82

Source Receptor	**Central Orange County**
Distance (meters)	25
NOx	**183**
CO	**1253**
PM10	**13**
PM2.5	**7**

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	5	183	167	180	202	245
	5	183	167	180	202	245
		183	167	180	202	245
CO	5	1253	1734	2498	4018	9336
	5	1253	1734	2498	4018	9336
		1253	1734	2498	4018	9336
PM10	5	13	39	55	88	188
	5	13	39	55	88	188
		13	39	55	88	188
PM2.5	5	7	9	15	32	109
	5	7	9	15	32	109
		7	9	15	32	109

Central Orange County

5.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	183	167	180	202	245
CO	1253	1734	2498	4018	9336
PM10	13	39	55	88	188
PM2.5	7	9	15	32	109

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	5	17	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2009 - Table C-1. 2006 – 2008

Operation Localized Significance Thresholds

SRA No.	Acres	Source Receptor Distance (meters)	Source Receptor Distance (Feet)
17	5.00	25	82

Source Receptor	**Central Orange County**
Distance (meters)	25
NOx	**183**
CO	**1253**
PM10	**3**
PM2.5	**2**

	Acres	**25**	**50**	**100**	**200**	**500**
NOx	5	183	167	180	202	245
	5	183	167	180	202	245
		183	167	180	202	245
CO	5	1253	1734	2498	4018	9336
	5	1253	1734	2498	4018	9336
		1253	1734	2498	4018	9336
PM10	5	3	10	14	22	45
	5	3	10	14	22	45
		3	10	14	22	45
PM2.5	5	2	3	4	8	27
	5	2	3	4	8	27
		2	3	4	8	27

Central Orange County

5.00 Acres

	25	**50**	**100**	**200**	**500**
NOx	183	167	180	202	245
CO	1253	1734	2498	4018	9336
PM10	3	10	14	22	45
PM2.5	2	3	4	8	27

Acre Below		**Acre Above**	
SRA No.	Acres	SRA No.	Acres
17	5	17	5
Distance Increment Below			
25			
Distance Increment Above			
25			

Updated: 10/21/2010 - Table C-1. 2006 – 2008

CO Hotspot Output and Related Files

Moran Street Specific Plan
Caline Results
Ambient CO For Source Receptor Area 17

	AQMD Projected CO Concentrations			
	Year	**One Hour**	**Year**	**Eight Hour**
	2010	5.8	**2010**	3.9
Ambient	**2020**	5.8	**2020**	3.9
	2015	5.8	**2015**	3.9

1 hr/8hr deterioration 70%

SCAQMD CEQA website: http://www.aqmd.gov/ceqa/handbook/CO/CO.html

	One-Hour CO Concentrations		Eight-Hour CO Concentrations		
Intersections	**4Magnolia&Hazard**		**4Magnolia&Hazard**	**Significant Impact?**	
Receptor		**Project**	**Project**	**1 hour**	**8 Hour**
NE		6.1	4.3	NO	NO
SE		6.1	4.3	NO	NO
SW		6.1	4.3	NO	NO
NW		6.1	4.3	NO	NO
Intersections	**5Magnolia & Bolsa**		**5Magnolia & Bolsa**	**Significant Impact?**	
Receptor		**Project**	**Project**	**1 hour**	**8 Hour**
NE		6.1	4.3	NO	NO
SE		6.1	4.3	NO	NO
SW		6.1	4.3	NO	NO
NW		6.1	4.3	NO	NO
Intersections	**6Magnolia & Bishop**		**6Magnolia & Bishop**	**Significant Impact?**	
Receptor		**Project**	**Project**	**1 hour**	**8 Hour**
NE		6.0	4.2	NO	NO
SE		6.0	4.2	NO	NO
SW		6.1	4.3	NO	NO
NW		6.0	4.2	NO	NO

```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 4Magnolia&Hazard
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S              Z0= 175. CM            ALT=     0. (M)
    BRG= WORST CASE             VD=   .0 CM/S
   CLAS=     7 (G)              VS=   .0 CM/S
   MIXH= 1000. M               AMB=  5.8 PPM
  SIGTH=    5. DEGREES        TEMP= 15.0 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	*	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	*	7	-450	7	-150	*	AG	1847	.9	.0	16.8
B. NA	*	9	-150	9	0	*	AG	1616	1.3	.0	14.4
C. ND	*	9	0	9	150	*	AG	1804	1.0	.0	10.8
D. NE	*	7	150	7	450	*	AG	1804	.9	.0	16.8
E. SF	*	-5	450	-5	150	*	AG	1534	.9	.0	13.2
F. SA	*	-7	150	-7	0	*	AG	1338	1.3	.0	10.8
G. SD	*	-7	0	-7	-150	*	AG	1659	1.1	.0	9.9
H. SE	*	-5	-150	-5	-450	*	AG	1659	.9	.0	13.2
I. WF	*	450	5	150	5	*	AG	1139	.9	.0	13.2
J. WA	*	150	7	0	7	*	AG	961	1.5	.0	10.8
K. WD	*	0	7	-150	7	*	AG	1137	1.3	.0	9.9
L. WE	*	-150	5	-450	5	*	AG	1137	.9	.0	13.2
M. EF	*	-450	-5	-150	-5	*	AG	1036	.9	.0	13.2
N. EA	*	-150	-7	0	-7	*	AG	884	1.5	.0	10.8
O. ED	*	0	-7	150	-7	*	AG	956	1.2	.0	9.9
P. EE	*	150	-5	450	-5	*	AG	956	.9	.0	13.2
Q. NL	*	0	-150	0	0	*	AG	231	1.3	.0	9.9
R. SL	*	0	150	0	0	*	AG	196	1.3	.0	9.9
S. WL	*	150	0	0	0	*	AG	178	1.5	.0	9.9
T. EL	*	-150	0	0	0	*	AG	152	1.5	.0	9.9

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```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2
```

JOB: 4Magnolia&Hazard
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NE	19	16	1.8
2. SE	19	-16	1.8
3. SW	-16	-16	1.8
4. NW	-16	16	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE	187.	6.1	.0	.1	.0	.0	.0	.0	.0	.0
2. SE	277.	6.1	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	6.	6.1	.0	.0	.0	.0	.0	.1	.0	.0
4. NW	172.	6.1	.0	.0	.0	.0	.0	.0	.1	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 5Magnolia & Bolsa
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 175. CM          ALT=     0. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=  5.8 PPM
  SIGTH=    5. DEGREES       TEMP= 15.0 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	*	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	*	7	-450	7	-150	*	AG	1521	.9	.0	16.8
B. NA	*	9	-150	9	0	*	AG	1261	1.4	.0	14.4
C. ND	*	9	0	9	150	*	AG	1905	1.1	.0	10.8
D. NE	*	7	150	7	450	*	AG	1905	.9	.0	16.8
E. SF	*	-9	450	-9	150	*	AG	1680	.9	.0	16.8
F. SA	*	-11	150	-11	0	*	AG	1296	1.4	.0	14.4
G. SD	*	-11	0	-11	-150	*	AG	1586	1.2	.0	9.9
H. SE	*	-9	-150	-9	-450	*	AG	1586	.9	.0	13.2
I. WF	*	450	9	150	9	*	AG	1531	.9	.0	16.8
J. WA	*	150	14	0	14	*	AG	1191	1.4	.0	21.6
K. WD	*	0	14	-150	14	*	AG	1215	1.1	.0	10.8
L. WE	*	-150	9	-450	9	*	AG	1215	.9	.0	16.8
M. EF	*	-450	-9	-150	-9	*	AG	1419	.9	.0	16.8
N. EA	*	-150	-13	0	-13	*	AG	1030	1.4	.0	18.0
O. ED	*	0	-13	150	-13	*	AG	1445	1.1	.0	10.8
P. EE	*	150	-9	450	-9	*	AG	1445	.9	.0	16.8
Q. NL	*	0	-150	0	0	*	AG	260	1.4	.0	9.9
R. SL	*	0	150	0	0	*	AG	384	1.3	.0	9.9
S. WL	*	150	0	0	0	*	AG	340	1.4	.0	9.9
T. EL	*	-150	0	0	0	*	AG	389	1.4	.0	9.9

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```
CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2
```

JOB: 5Magnolia & Bolsa
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NE	19	28	1.8
2. SE	19	-25	1.8
3. SW	-21	-25	1.8
4. NW	-21	28	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE	187.	6.1	.0	.1	.0	.0	.0	.0	.0	.0
2. SE	350.	6.1	.0	.0	.1	.0	.0	.0	.0	.0
3. SW	73.	6.1	.0	.0	.0	.0	.0	.0	.0	.0
4. NW	169.	6.1	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   1

     JOB: 6Magnolia & Bishop
     RUN: Hour 1           (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide
```

I. SITE VARIABLES

```
      U=   1.0 M/S            Z0= 175. CM           ALT=     0. (M)
    BRG= WORST CASE           VD=   .0 CM/S
   CLAS=     7 (G)            VS=   .0 CM/S
   MIXH= 1000. M             AMB=  5.8 PPM
  SIGTH=    5. DEGREES       TEMP= 15.0 DEGREE (C)
```

II. LINK VARIABLES

LINK DESCRIPTION	*	LINK COORDINATES (M) X1	Y1	X2	Y2	*	TYPE	VPH	EF (G/MI)	H (M)	W (M)
A. NF	*	5	-450	5	-150	*	AG	1243	.9	.0	13.2
B. NA	*	9	-150	9	0	*	AG	1206	1.2	.0	14.4
C. ND	*	9	0	9	150	*	AG	1662	1.1	.0	9.9
D. NE	*	5	150	5	450	*	AG	1662	.9	.0	9.6
E. SF	*	-7	450	-7	150	*	AG	1503	.9	.0	16.8
F. SA	*	-9	150	-9	0	*	AG	1167	1.2	.0	14.4
G. SD	*	-9	0	-9	-150	*	AG	1353	1.0	.0	10.8
H. SE	*	-7	-150	-7	-450	*	AG	1353	.9	.0	16.8
I. WF	*	450	4	150	4	*	AG	797	1.1	.0	9.6
J. WA	*	150	5	0	5	*	AG	599	1.7	.0	9.9
K. WD	*	0	5	-150	5	*	AG	138	1.2	.0	9.9
L. WE	*	-150	4	-450	4	*	AG	138	1.1	.0	9.6
M. EF	*	-450	-4	-150	-4	*	AG	158	1.1	.0	9.6
N. EA	*	-150	-4	0	-4	*	AG	94	1.6	.0	9.9
O. ED	*	0	-4	150	-4	*	AG	548	1.6	.0	9.9
P. EE	*	150	-4	450	-4	*	AG	548	1.1	.0	9.6
Q. NL	*	0	-150	0	0	*	AG	37	1.2	.0	9.9
R. SL	*	0	150	0	0	*	AG	336	1.2	.0	9.9
S. WL	*	150	0	0	0	*	AG	198	1.6	.0	9.9
T. EL	*	-150	0	0	0	*	AG	64	1.6	.0	9.9

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
         JUNE 1989 VERSION
         PAGE   2
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JOB: 6Magnolia & Bishop
RUN: Hour 1 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

RECEPTOR	COORDINATES (M) X	Y	Z
1. NE	19	12	1.8
2. SE	19	-8	1.8
3. SW	-19	-8	1.8
4. NW	-19	12	1.8

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

RECEPTOR	BRG (DEG)	PRED CONC (PPM)	CONC/LINK (PPM) A	B	C	D	E	F	G	H
1. NE	186.	6.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE	352.	6.0	.0	.0	.1	.0	.0	.0	.0	.0
3. SW	86.	6.1	.0	.0	.0	.0	.0	.0	.0	.0
4. NW	96.	6.0	.0	.0	.0	.0	.0	.0	.0	.0

RECEPTOR	CONC/LINK (PPM) I	J	K	L	M	N	O	P	Q	R	S	T
1. NE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2. SE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3. SW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4. NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

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Title	OC2030
Version	Emfac2007 V2.3 1-Nov-06
Run Date	4/1/2011 14:36:53
Scenario Year	2030 - All Model years in the range 1986 to 2030 selected.
Season	Winter
Area	Orange

Pollutant Name: Carbon Monoxide Temperature: 60F Relative Humidity 70%

Speed MPH	LDA	LDT	MDT	HDT	UBUS	MCY	ALL
0	0	0	20.041	45.01	0	0	4.71
5	0.958	1.625	2.161	5.144	19.242	23.843	1.671
10	0.871	1.475	1.886	3.344	12.605	20.281	1.441
15	0.794	1.343	1.675	2.222	8.741	17.903	1.268
20	0.727	1.228	1.506	1.629	6.416	16.365	1.138
25	0.667	1.126	1.367	1.364	4.983	15.485	1.038
30	0.615	1.037	1.25	1.192	4.096	15.185	0.957
35	0.568	0.958	1.151	1.086	3.561	15.472	0.89
40	0.526	0.888	1.066	1.03	3.276	16.446	0.837
45	0.49	0.826	0.994	1.013	3.189	18.326	0.797

Table B.9 Arterial Classification According to Their Functional and Design Categories

DESIGN CATEGORY	FUNCTIONAL CATEGORY	
	PRINCIPAL ARTERIAL	MINOR ARTERIAL
Typical suburban	I	II
Intermediate	II	II or III
Typical Urban	II or III	III

Source: Highway Capacity Manual (TRB, 1994)

Table B.10 Average Cruise Speed as a Function of Arterial Classification and Free-Flow Speed

ARTERIAL CLASSIFICATION	I			II		III		
FREE-FLOW SPEED (MPH)	45	40	35	35	30	35	30	25
AVERAGE CRUISE SPEED (MPH)	33	31	29	28	27	28	24	22

Derived from Table 11-4 of the Highway Capacity Manual (TRB, 1994)

NOTE: It is best to have an estimate of free-flow speed. If one is lacking, however, use the above table assuming the following default values:

For Classification	Free-Flow Speed (mph)
I	40
II	35
III	30

B.4 Calculating 1-Hour CO Concentrations

Microscale dispersion models are used to calculate 1-hour CO concentrations. The protocol recommends the use of CALINE4, a model that has been widely used in California[1]. There is one restriction to the use of CALINE4. The *intersection link* option of CALINE4 should not be used because it calculates modal emissions based on an algorithm developed for an outdated vehicle fleet. Guidance on the input parameters required by CALINE4 is presented in the remainder of this section, including guidance on how to set up the link network for intersection analyses (see Sections B.4.4 and B.4.5).

B.4.1 Present Background Concentration

Background concentration is a very important element in a microscale CO analysis. The background concentration is added to the project contribution to assess the impact of the project on the air quality. The methodology shown in Figure B.1 should be used to

[1] The recommendation to use CALINE4 does not preclude the use of other models approved by EPA such as CAL3QHC.

Table 2

Projected Future Year 1-hour CO Concentrations (ppm)

		Y E A R				
Monitoring Site Location		**1999**	**2000**	**2010**	**2015**	**2020**
1	Central LA	7	6.7	5.1	5.1	5.1
2	West LA	6	5.8	4.4	4.4	4.4
3	Hawthorne	10	9.6	7.3	7.3	7.3
4	Long Beach	7	6.7	5.1	5.1	5.1
6	Reseda	9	8.6	6.5	6.6	6.6
7	Burbank	9	8.6	6.5	6.6	6.6
8	Pasadena	9	8.6	6.5	6.6	6.6
9	Azusa	5	4.8	3.6	3.6	3.6
10	Pomona	10	9.6	7.3	7.3	7.3
11	Pico Rivera	7	6.7	5.1	5.1	5.1
12	Lynwood	19	18.2	13.8	13.8	13.9
12	Compton	19	18.2	13.8	13.8	13.9
13	Santa Clarita	7	6.7	5.1	5.1	5.1
16	La Habra	11	10.5	8.0	8.0	8.0
17	Anaheim*	8	7.7	5.8	5.8	5.8
18	Costa Mesa	8	7.7	5.8	5.8	5.8
19	El Toro	4	3.8	2.9	2.9	2.9
23	Rubidoux	7	6.7	5.1	5.1	5.1
23	Banning AP**	7	6.7	5.1	5.1	5.1
30	Palm Springs	3	2.9	2.2	2.2	2.2
34	San Bernardino	5	4.8	3.6	3.6	3.6

*Anaheim data recovery rate: 33.7%
**Banning AP data recovery rate: 82.2%

Table 3

Projected Future Year 8-hour CO Concentrations (ppm)

		Y E A R				
Monitoring Site Location		**1999**	**2000**	**2010**	**2015**	**2020**
1	Central LA	6.3	6.0	4.6	4.6	4.6
2	West LA	3.8	3.6	2.8	2.8	2.8
3	Hawthorne	8.4	8.1	6.1	6.1	6.1
4	Long Beach	5.4	5.2	3.9	3.9	3.9
6	Reseda	7.6	7.3	5.5	5.5	5.5
7	Burbank	9	8.6	6.5	6.6	6.6
8	Pasadena	6.6	6.3	4.8	4.8	4.8
9	Azusa	3.9	3.7	2.8	2.8	2.8
10	Pomona	6.7	6.4	4.9	4.9	4.9
11	Pico Rivera	5.6	5.4	4.1	4.1	4.1
12	Lynwood	11	10.5	8.0	8.0	8.0
12	Compton	11.7	11.2	8.5	8.5	8.5
13	Santa Clarita	3.6	3.5	2.6	2.6	2.6
16	La Habra	5.3	5.1	3.9	3.9	3.9
17	Anaheim*	5.3	5.1	3.9	3.9	3.9
18	Costa Mesa	6.4	6.1	4.7	4.7	4.7
19	El Toro	2.5	2.4	1.8	1.8	1.8
23	Rubidoux	4.4	4.2	3.2	3.2	3.2
23	Banning AP**	4.1	3.9	3.0	3.0	3.0
30	Palm Springs	1.8	1.7	1.3	1.3	1.3
34	San Bernardino	4	3.8	2.9	2.9	2.9

*Anaheim data recovery rate: 33.7%
**Banning AP data recovery rate: 82.2%