

Appendix

- A. Mini Park and Neighborhood Park Design Guidelines
- B. Air Quality and Greenhouse Gas Emissions Calculations
- C. Garcia & Associates Cultural Resources Investigation, April 2010. With partial redaction to protect the named cultural resource sites.
- D. Approval Conditions for Special Development Permit Number 2004-0603.
- E. URS - Phase I Environmental Site Assessment, June 17, 2009
- F. EKI - Results of Phase II Soil & Grab Groundwater Sampling, April 2010
- G. EKI - Additional Soil Characterization, August 20, 2010
- H. Cohen Group - Pre-demolition Hazardous Materials Survey, April 22, 2010
- I. DTSC/City Voluntary Cleanup Agreement (VCA) (Final Agreement, but not yet executed), July 2011



Appendix A

Mini-Park and Neighborhood Park Design Guidelines

TABLE E-1: MINI PARK & NEIGHBORHOOD PARK DESIGN GUIDELINES

CLASSIFICATION	DEFINITION	BENEFITS	SIZE AND ACCESS	EXAMPLES	MINIMUM RESOURCES	MAY INCLUDE ADDITIONAL RESOURCES	DOES NOT INCLUDE CONFLICTING RESOURCES
Mini Parks	Mini parks are small parks that provide residents with nearby opportunities for recreation activities. Up to 3 acres in size, these parks are designed to serve residents within a ¼-mile walking radius or in the immediately adjacent neighborhoods. Mini parks provide basic neighborhood recreation amenities, like playgrounds, benches, and landscaping.	<ul style="list-style-type: none"> • Provides access to basic recreation opportunities for nearby residents of all ages • Contributes to neighborhood identity • Provides green space within neighborhoods • Contributes to health and wellness • Provides opportunities for outdoor recreation in built-out areas 	<ul style="list-style-type: none"> • 0-3 acre minimum • Street frontage on at least two sides of the park 	<ul style="list-style-type: none"> • AMD Site • Cannery Park • Fairwood Park • Greenwood Manor Park • Orchard Gardens Park • Victory Village Park 	<ul style="list-style-type: none"> • Tot Lot (Ages 2-5) • 1-5 Non-reservable picnic tables • Trees • Open Turf Area 	<ul style="list-style-type: none"> • Children’s play area (Ages 6-12), • Sports courts (1/2 court basketball or single tennis court) • Restrooms • Shelter, or gazebo • Interactive water feature (small-scale) • Off-street parking • Shade structures for appropriate facilities 	<ul style="list-style-type: none"> • Community garden • Sports fields (baseball, football, soccer, softball, multi-purpose) • Destination facilities or resources with communitywide draw • Full-service recreation centers • Swimming pools (indoor or outdoor)
Neighborhood Parks	Neighborhood parks provide access to basic recreation opportunities for nearby residents. These parks are generally 3-8 acres size and serve residents within a ½-mile radius. Neighborhood parks provide informal, non-organized recreation opportunities, enhance neighborhood identity, and preserve neighborhood open space. Neighborhood parks often include amenities such as playgrounds, sport courts, turf areas, picnic tables, and benches.	<ul style="list-style-type: none"> • Provides access to basic recreation opportunities for nearby residents of all ages • Contributes to neighborhood identity • Provides green space within neighborhoods • Provides a space for family and small group gatherings • Contributes to health and wellness 	<ul style="list-style-type: none"> • 3-8 acres • Street frontage on at least two sides of the park 	<ul style="list-style-type: none"> • Braly Park • Encinal Park • Murphy Park • Panama Park • San Antonio Park 	<ul style="list-style-type: none"> • Tot Lot (Ages 2-5) • Children’s play area (Ages 6-12) • Non-reservable picnic tables • Reservable picnic area • Perimeter path or sidewalks • Trees • At least two active recreation resources (see “May Include” list) • Open Turf Area • Off-street parking • Maintenance Area/Shed/Storage • Sports Field 	<ul style="list-style-type: none"> • Additional Sports fields (baseball, football, soccer, softball, multi-purpose, cricket pitch) • Sports courts (basketball court, tennis court, volleyball court) • Other small-scale active recreation resources (skate spot, horseshoe pits, bocce court, shuffleboard lane, lawn bowling, mini skate park) • Interactive or ornamental water feature (small-scale) • Shelter, or gazebo • Par course • Neighborhood activity building (multi-purpose) • Fire pit • Community Garden • Restroom • Shade structures for appropriate facilities 	<ul style="list-style-type: none"> • Destination facilities or resources with communitywide draw • Memorials (except for memorial trees or benches) • Sports complexes • Full-service recreation centers • Swimming pools (indoor or outdoor)

Appendix B

Air Quality Calculations

URBEMIS Outputs

Generator Emissions

Greenhouse Gas Emissions



APPENDIX B

Criteria Pollutant and GHG Emissions

Introduction to the Air Quality Models and Results

The Urban Emissions model (URBEMIS 2007), version 9.2.4, was used to quantify direct emissions of criteria pollutants and CO₂ from proposed project construction and operations, including off-road equipment and fugitive dust emissions during construction activities and area source and on-road vehicle pollutant emissions during operations. URBEMIS results from project build-out were then incorporated into the Bay Area Greenhouse Gas Model (BGM) in order to quantify additional sources of greenhouse gases (GHGs).

Results of the URBEMIS2007 and BGM modeling are presented below for the project. Notably, CO₂ emissions are output from URBEMIS in short tons, but are listed in the document as metric tons. The conversion factor is: 1 short ton = 0.9072 metric tons.

This Appendix is separated into the following sub-sections:

- URBEMIS2007 MODEL RESULTS FOR CONSTRUCTION AND OPERATIONS (SUMMER EMISSIONS)
- URBEMIS2007 MODEL RESULTS FOR CONSTRUCTION AND OPERATIONS (WINTER EMISSIONS)
- URBEMIS2007 MODEL RESULTS FOR CONSTRUCTION AND OPERATIONS (ANNUAL EMISSIONS)
- BGM RESULTS FOR OPERATIONS AT PROJECT BUILD-OUT

**URBEMIS2007 MODEL RESULTS FOR
CONSTRUCTION AND OPERATIONS
(SUMMER EMISSIONS)**

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Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\mxm\Desktop\Current Project Shortcuts\210070 - Morse Park IS-MND\AQ Data\Morse-Park Revised July 2011.urb924

Project Name: Morse-Park Const and Ops

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

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Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2011 TOTALS (lbs/day unmitigated)	3.27	33.86	15.16	0.04	33.23	1.50	34.73	6.93	1.38	8.31	5,204.55
2012 TOTALS (lbs/day unmitigated)	4.95	38.51	23.17	0.01	26.45	2.19	28.65	5.53	2.02	7.55	4,595.81

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	0.12	0.02	1.55	0.00	0.01	0.01	2.81

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	0.18	0.17	1.85	0.00	0.33	0.06	184.26

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	0.30	0.19	3.40	0.00	0.34	0.07	187.07

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
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Time Slice 9/5/2011-12/2/2011 Active Days: 65	2.78	<u>33.86</u>	14.29	<u>0.04</u>	<u>33.23</u>	<u>1.50</u>	<u>34.73</u>	<u>6.93</u>	<u>1.38</u>	<u>8.31</u>	<u>5,204.55</u>
Demolition 09/05/2011-12/02/2011	2.78	33.86	14.29	0.04	33.23	1.50	34.73	6.93	1.38	8.31	5,204.55
Fugitive Dust	0.00	0.00	0.00	0.00	33.07	0.00	33.07	6.88	0.00	6.88	0.00
Demo Off Road Diesel	1.05	7.22	4.58	0.00	0.00	0.55	0.55	0.00	0.50	0.50	700.30
Demo On Road Diesel	1.69	26.57	8.57	0.04	0.15	0.95	1.11	0.05	0.88	0.93	4,402.44
Demo Worker Trips	0.04	0.06	1.14	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.81
Time Slice 12/5/2011-12/30/2011 Active Days: 20	<u>3.27</u>	29.90	<u>15.16</u>	0.01	26.44	1.40	27.85	5.53	1.29	6.82	3,408.40
Fine Grading 12/05/2011-03/02/2012	3.27	29.90	15.16	0.01	26.44	1.40	27.85	5.53	1.29	6.82	3,408.40
Fine Grading Dust	0.00	0.00	0.00	0.00	26.40	0.00	26.40	5.51	0.00	5.51	0.00
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08	2,247.32
Fine Grading On Road Diesel	0.41	6.39	2.06	0.01	0.04	0.23	0.27	0.01	0.21	0.22	1,059.27
Fine Grading Worker Trips	0.04	0.06	1.14	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.81
Time Slice 1/2/2012-2/17/2012 Active Days: 35	3.10	27.61	14.42	0.01	26.44	1.27	27.72	5.53	1.17	6.70	3,408.47
Fine Grading 12/05/2011-03/02/2012	3.10	27.61	14.42	0.01	26.44	1.27	27.72	5.53	1.17	6.70	3,408.47
Fine Grading Dust	0.00	0.00	0.00	0.00	26.40	0.00	26.40	5.51	0.00	5.51	0.00
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99	2,247.32
Fine Grading On Road Diesel	0.37	5.61	1.84	0.01	0.04	0.20	0.24	0.01	0.18	0.20	1,059.27
Fine Grading Worker Trips	0.03	0.06	1.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.87

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Time Slice 2/20/2012-3/2/2012	<u>4.95</u>	<u>38.51</u>	<u>23.17</u>	<u>0.01</u>	<u>26.45</u>	<u>2.19</u>	<u>28.65</u>	<u>5.53</u>	<u>2.02</u>	<u>7.55</u>	<u>4,595.81</u>
Active Days: 10											
Asphalt 02/20/2012-03/16/2012	1.85	10.90	8.75	0.00	0.01	0.92	0.93	0.00	0.85	0.85	1,187.34
Paving Off-Gas	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	10.64	6.84	0.00	0.00	0.91	0.91	0.00	0.84	0.84	979.23
Paving On Road Diesel	0.01	0.16	0.05	0.00	0.00	0.01	0.01	0.00	0.01	0.01	29.84
Paving Worker Trips	0.06	0.10	1.86	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.28
Fine Grading 12/05/2011-03/02/2012	3.10	27.61	14.42	0.01	26.44	1.27	27.72	5.53	1.17	6.70	3,408.47
Fine Grading Dust	0.00	0.00	0.00	0.00	26.40	0.00	26.40	5.51	0.00	5.51	0.00
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99	2,247.32
Fine Grading On Road Diesel	0.37	5.61	1.84	0.01	0.04	0.20	0.24	0.01	0.18	0.20	1,059.27
Fine Grading Worker Trips	0.03	0.06	1.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.87
Time Slice 3/5/2012-3/16/2012	1.85	10.90	8.75	0.00	0.01	0.92	0.93	0.00	0.85	0.85	1,187.34
Active Days: 10											
Asphalt 02/20/2012-03/16/2012	1.85	10.90	8.75	0.00	0.01	0.92	0.93	0.00	0.85	0.85	1,187.34
Paving Off-Gas	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	10.64	6.84	0.00	0.00	0.91	0.91	0.00	0.84	0.84	979.23
Paving On Road Diesel	0.01	0.16	0.05	0.00	0.00	0.01	0.01	0.00	0.01	0.01	29.84
Paving Worker Trips	0.06	0.10	1.86	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.28
Time Slice 3/19/2012-8/31/2012	3.46	15.38	20.80	0.01	0.05	1.06	1.11	0.02	0.98	0.99	2,609.02
Active Days: 120											
Building 03/19/2012-08/31/2012	3.46	15.38	20.80	0.01	0.05	1.06	1.11	0.02	0.98	0.99	2,609.02
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95	1,621.20
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.33	0.57	10.28	0.01	0.05	0.03	0.07	0.02	0.02	0.04	987.82

Phase Assumptions

Phase: Demolition 9/5/2011 - 12/2/2011 - Type Your Description Here

Building Volume Total (cubic feet): 1248849

Building Volume Daily (cubic feet): 78732

On Road Truck Travel (VMT): 1093.5

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Fine Grading 12/5/2011 - 3/2/2012 - Default Fine Site Grading Description

Total Acres Disturbed: 5.3

Maximum Daily Acreage Disturbed: 1.32

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 263.11

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 2/20/2012 - 3/16/2012 - Default Paving Description

Acres to be Paved: 0.5

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 3/19/2012 - 8/31/2012 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth - No Summer Emissions							
Landscape	0.12	0.02	1.55	0.00	0.01	0.01	2.81
Consumer Products	0.00						
Architectural Coatings	0.00						
TOTALS (lbs/day, unmitigated)	0.12	0.02	1.55	0.00	0.01	0.01	2.81

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25	CO2
City park	0.18	0.17	1.85	0.00	0.33	0.06	184.26
TOTALS (lbs/day, unmitigated)	0.18	0.17	1.85	0.00	0.33	0.06	184.26

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2012 Temperature (F): 85 Season: Summer

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
City park		4.91	acres	5.30	26.02	194.07
					26.02	194.07

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.2	0.5	99.3	0.2
Light Truck < 3750 lbs	11.8	1.7	95.8	2.5
Light Truck 3751-5750 lbs	20.6	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.2	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.7	0.0	71.4	28.6
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	66.7	33.3

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med-Heavy Truck 14,001-33,000 lbs	0.8	0.0	25.0	75.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.3	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	2.9	62.1	37.9	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.7	0.0	85.7	14.3

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commuter	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
City park				5.0	2.5	92.5

**URBEMIS2007 MODEL RESULTS FOR
CONSTRUCTION AND OPERATIONS
(WINTER EMISSIONS)**

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Urbemis 2007 Version 9.2.4

Combined Winter Emissions Reports (Pounds/Day)

File Name: C:\Documents and Settings\mxm\Desktop\Current Project Shortcuts\210070 - Morse Park IS-MND\AQ Data\Morse-Park Revised July 2011.urb924

Project Name: Morse-Park Const and Ops

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

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Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2011 TOTALS (lbs/day unmitigated)	3.27	33.86	15.16	0.04	33.23	1.50	34.73	6.93	1.38	8.31	5,204.55
2012 TOTALS (lbs/day unmitigated)	4.95	38.51	23.17	0.01	26.45	2.19	28.65	5.53	2.02	7.55	4,595.81

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	0.17	0.26	1.99	0.00	0.33	0.06	158.65

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (lbs/day, unmitigated)	0.17	0.26	1.99	0.00	0.33	0.06	158.65

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
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Time Slice 9/5/2011-12/2/2011 Active Days: 65	2.78	<u>33.86</u>	14.29	<u>0.04</u>	<u>33.23</u>	<u>1.50</u>	<u>34.73</u>	<u>6.93</u>	<u>1.38</u>	<u>8.31</u>	<u>5,204.55</u>
Demolition 09/05/2011- 12/02/2011	2.78	33.86	14.29	0.04	33.23	1.50	34.73	6.93	1.38	8.31	5,204.55
Fugitive Dust	0.00	0.00	0.00	0.00	33.07	0.00	33.07	6.88	0.00	6.88	0.00
Demo Off Road Diesel	1.05	7.22	4.58	0.00	0.00	0.55	0.55	0.00	0.50	0.50	700.30
Demo On Road Diesel	1.69	26.57	8.57	0.04	0.15	0.95	1.11	0.05	0.88	0.93	4,402.44
Demo Worker Trips	0.04	0.06	1.14	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.81
Time Slice 12/5/2011-12/30/2011 Active Days: 20	<u>3.27</u>	29.90	<u>15.16</u>	0.01	26.44	1.40	27.85	5.53	1.29	6.82	3,408.40
Fine Grading 12/05/2011- 03/02/2012	3.27	29.90	15.16	0.01	26.44	1.40	27.85	5.53	1.29	6.82	3,408.40
Fine Grading Dust	0.00	0.00	0.00	0.00	26.40	0.00	26.40	5.51	0.00	5.51	0.00
Fine Grading Off Road Diesel	2.83	23.44	11.96	0.00	0.00	1.17	1.17	0.00	1.08	1.08	2,247.32
Fine Grading On Road Diesel	0.41	6.39	2.06	0.01	0.04	0.23	0.27	0.01	0.21	0.22	1,059.27
Fine Grading Worker Trips	0.04	0.06	1.14	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.81
Time Slice 1/2/2012-2/17/2012 Active Days: 35	3.10	27.61	14.42	0.01	26.44	1.27	27.72	5.53	1.17	6.70	3,408.47
Fine Grading 12/05/2011- 03/02/2012	3.10	27.61	14.42	0.01	26.44	1.27	27.72	5.53	1.17	6.70	3,408.47
Fine Grading Dust	0.00	0.00	0.00	0.00	26.40	0.00	26.40	5.51	0.00	5.51	0.00
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99	2,247.32
Fine Grading On Road Diesel	0.37	5.61	1.84	0.01	0.04	0.20	0.24	0.01	0.18	0.20	1,059.27
Fine Grading Worker Trips	0.03	0.06	1.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.87

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Time Slice 2/20/2012-3/2/2012	<u>4.95</u>	<u>38.51</u>	<u>23.17</u>	<u>0.01</u>	<u>26.45</u>	<u>2.19</u>	<u>28.65</u>	<u>5.53</u>	<u>2.02</u>	<u>7.55</u>	<u>4,595.81</u>
Active Days: 10											
Asphalt 02/20/2012-03/16/2012	1.85	10.90	8.75	0.00	0.01	0.92	0.93	0.00	0.85	0.85	1,187.34
Paving Off-Gas	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	10.64	6.84	0.00	0.00	0.91	0.91	0.00	0.84	0.84	979.23
Paving On Road Diesel	0.01	0.16	0.05	0.00	0.00	0.01	0.01	0.00	0.01	0.01	29.84
Paving Worker Trips	0.06	0.10	1.86	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.28
Fine Grading 12/05/2011-03/02/2012	3.10	27.61	14.42	0.01	26.44	1.27	27.72	5.53	1.17	6.70	3,408.47
Fine Grading Dust	0.00	0.00	0.00	0.00	26.40	0.00	26.40	5.51	0.00	5.51	0.00
Fine Grading Off Road Diesel	2.69	21.95	11.51	0.00	0.00	1.07	1.07	0.00	0.99	0.99	2,247.32
Fine Grading On Road Diesel	0.37	5.61	1.84	0.01	0.04	0.20	0.24	0.01	0.18	0.20	1,059.27
Fine Grading Worker Trips	0.03	0.06	1.06	0.00	0.00	0.00	0.01	0.00	0.00	0.00	101.87
Time Slice 3/5/2012-3/16/2012	1.85	10.90	8.75	0.00	0.01	0.92	0.93	0.00	0.85	0.85	1,187.34
Active Days: 10											
Asphalt 02/20/2012-03/16/2012	1.85	10.90	8.75	0.00	0.01	0.92	0.93	0.00	0.85	0.85	1,187.34
Paving Off-Gas	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	1.72	10.64	6.84	0.00	0.00	0.91	0.91	0.00	0.84	0.84	979.23
Paving On Road Diesel	0.01	0.16	0.05	0.00	0.00	0.01	0.01	0.00	0.01	0.01	29.84
Paving Worker Trips	0.06	0.10	1.86	0.00	0.01	0.00	0.01	0.00	0.00	0.01	178.28
Time Slice 3/19/2012-8/31/2012	3.46	15.38	20.80	0.01	0.05	1.06	1.11	0.02	0.98	0.99	2,609.02
Active Days: 120											
Building 03/19/2012-08/31/2012	3.46	15.38	20.80	0.01	0.05	1.06	1.11	0.02	0.98	0.99	2,609.02
Building Off Road Diesel	3.14	14.81	10.52	0.00	0.00	1.04	1.04	0.00	0.95	0.95	1,621.20
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.33	0.57	10.28	0.01	0.05	0.03	0.07	0.02	0.02	0.04	987.82

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Phase Assumptions

Phase: Demolition 9/5/2011 - 12/2/2011 - Type Your Description Here

Building Volume Total (cubic feet): 1248849

Building Volume Daily (cubic feet): 78732

On Road Truck Travel (VMT): 1093.5

Off-Road Equipment:

1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day

2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

Phase: Fine Grading 12/5/2011 - 3/2/2012 - Default Fine Site Grading Description

Total Acres Disturbed: 5.3

Maximum Daily Acreage Disturbed: 1.32

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 263.11

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 2/20/2012 - 3/16/2012 - Default Paving Description

Acres to be Paved: 0.5

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 3/19/2012 - 8/31/2012 - Default Building Construction Description

Off-Road Equipment:

- 1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day
- 2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day
- 1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day
- 1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day
- 3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscaping - No Winter Emissions							
Consumer Products	0.00						
Architectural Coatings	0.00						
TOTALS (lbs/day, unmitigated)	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Area Source Changes to Defaults

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Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Winter Pounds Per Day, Unmitigated

<u>Source</u>	ROG	NOX	CO	SO2	PM10	PM25	CO2
City park	0.17	0.26	1.99	0.00	0.33	0.06	158.65
TOTALS (lbs/day, unmitigated)	0.17	0.26	1.99	0.00	0.33	0.06	158.65

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2012 Temperature (F): 40 Season: Winter

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
City park		4.91	acres	5.30	26.02	194.07
					26.02	194.07

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.2	0.5	99.3	0.2
Light Truck < 3750 lbs	11.8	1.7	95.8	2.5
Light Truck 3751-5750 lbs	20.6	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.2	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.7	0.0	71.4	28.6
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	66.7	33.3

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Med-Heavy Truck 14,001-33,000 lbs	0.8	0.0	25.0	75.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.3	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	2.9	62.1	37.9	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.7	0.0	85.7	14.3

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commuter	Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
City park				5.0	2.5	92.5

**URBEMIS2007 MODEL RESULTS FOR
CONSTRUCTION AND OPERATIONS
(ANNUAL EMISSIONS)**

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Urbemis 2007 Version 9.2.4

Combined Annual Emissions Reports (Tons/Year)

File Name: C:\Documents and Settings\mxm\Desktop\Current Project Shortcuts\210070 - Morse Park IS-MND\AQ Data\Morse-Park Revised July 2011.urb924

Project Name: Morse-Park Const and Ops

Project Location: Santa Clara County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

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Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
2011 TOTALS (tons/year unmitigated)	0.12	1.40	0.62	0.00	1.34	0.06	1.41	0.28	0.06	0.34	203.23
2012 TOTALS (tons/year unmitigated)	0.30	1.65	1.66	0.00	0.60	0.10	0.70	0.13	0.09	0.22	245.11

AREA SOURCE EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	0.01	0.00	0.14	0.00	0.00	0.00	0.25

OPERATIONAL (VEHICLE) EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	0.03	0.04	0.35	0.00	0.06	0.01	32.07

SUM OF AREA SOURCE AND OPERATIONAL EMISSION ESTIMATES

	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
TOTALS (tons/year, unmitigated)	0.04	0.04	0.49	0.00	0.06	0.01	32.32

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10 Dust</u>	<u>PM10 Exhaust</u>	<u>PM10</u>	<u>PM2.5 Dust</u>	<u>PM2.5 Exhaust</u>	<u>PM2.5</u>	<u>CO2</u>
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2012	0.30	1.65	1.66	0.00	0.60	0.10	0.70	0.13	0.09	0.22	245.11
Fine Grading 12/05/2011-03/02/2012	0.07	0.62	0.32	0.00	0.59	0.03	0.62	0.12	0.03	0.15	76.69
Fine Grading Dust	0.00	0.00	0.00	0.00	0.59	0.00	0.59	0.12	0.00	0.12	0.00
Fine Grading Off Road Diesel	0.06	0.49	0.26	0.00	0.00	0.02	0.02	0.00	0.02	0.02	50.56
Fine Grading On Road Diesel	0.01	0.13	0.04	0.00	0.00	0.00	0.01	0.00	0.00	0.00	23.83
Fine Grading Worker Trips	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.29
Asphalt 02/20/2012-03/16/2012	0.02	0.11	0.09	0.00	0.00	0.01	0.01	0.00	0.01	0.01	11.87
Paving Off-Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving Off Road Diesel	0.02	0.11	0.07	0.00	0.00	0.01	0.01	0.00	0.01	0.01	9.79
Paving On Road Diesel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30
Paving Worker Trips	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.78
Building 03/19/2012-08/31/2012	0.21	0.92	1.25	0.00	0.00	0.06	0.07	0.00	0.06	0.06	156.54
Building Off Road Diesel	0.19	0.89	0.63	0.00	0.00	0.06	0.06	0.00	0.06	0.06	97.27
Building Vendor Trips	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Worker Trips	0.02	0.03	0.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	59.27

Phase Assumptions

- Phase: Demolition 9/5/2011 - 12/2/2011 - Type Your Description Here
- Building Volume Total (cubic feet): 1248849
- Building Volume Daily (cubic feet): 78732
- On Road Truck Travel (VMT): 1093.5
- Off-Road Equipment:
- 1 Concrete/Industrial Saws (10 hp) operating at a 0.73 load factor for 8 hours per day
- 1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 1 hours per day
- 2 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 6 hours per day

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Phase: Fine Grading 12/5/2011 - 3/2/2012 - Default Fine Site Grading Description

Total Acres Disturbed: 5.3

Maximum Daily Acreage Disturbed: 1.32

Fugitive Dust Level of Detail: Default

20 lbs per acre-day

On Road Truck Travel (VMT): 263.11

Off-Road Equipment:

1 Graders (174 hp) operating at a 0.61 load factor for 6 hours per day

1 Rubber Tired Dozers (357 hp) operating at a 0.59 load factor for 6 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

1 Water Trucks (189 hp) operating at a 0.5 load factor for 8 hours per day

Phase: Paving 2/20/2012 - 3/16/2012 - Default Paving Description

Acres to be Paved: 0.5

Off-Road Equipment:

4 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 6 hours per day

1 Pavers (100 hp) operating at a 0.62 load factor for 7 hours per day

1 Rollers (95 hp) operating at a 0.56 load factor for 7 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 7 hours per day

Phase: Building Construction 3/19/2012 - 8/31/2012 - Default Building Construction Description

Off-Road Equipment:

1 Cranes (399 hp) operating at a 0.43 load factor for 6 hours per day

2 Forklifts (145 hp) operating at a 0.3 load factor for 6 hours per day

1 Generator Sets (49 hp) operating at a 0.74 load factor for 8 hours per day

1 Tractors/Loaders/Backhoes (108 hp) operating at a 0.55 load factor for 8 hours per day

3 Welders (45 hp) operating at a 0.45 load factor for 8 hours per day

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Area Source Unmitigated Detail Report:

AREA SOURCE EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOx</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM2.5</u>	<u>CO2</u>
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Landscape	0.01	0.00	0.14	0.00	0.00	0.00	0.25
Consumer Products	0.00						
Architectural Coatings	0.00						
TOTALS (tons/year, unmitigated)	0.01	0.00	0.14	0.00	0.00	0.00	0.25

Area Source Changes to Defaults

Operational Unmitigated Detail Report:

OPERATIONAL EMISSION ESTIMATES Annual Tons Per Year, Unmitigated

<u>Source</u>	<u>ROG</u>	<u>NOX</u>	<u>CO</u>	<u>SO2</u>	<u>PM10</u>	<u>PM25</u>	<u>CO2</u>
City park	0.03	0.04	0.35	0.00	0.06	0.01	32.07
TOTALS (tons/year, unmitigated)	0.03	0.04	0.35	0.00	0.06	0.01	32.07

Operational Settings:

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2012 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
City park		4.91	acres	5.30	26.02	194.07
					26.02	194.07

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	55.2	0.5	99.3	0.2
Light Truck < 3750 lbs	11.8	1.7	95.8	2.5
Light Truck 3751-5750 lbs	20.6	0.5	99.5	0.0
Med Truck 5751-8500 lbs	6.2	0.0	100.0	0.0
Lite-Heavy Truck 8501-10,000 lbs	0.7	0.0	71.4	28.6
Lite-Heavy Truck 10,001-14,000 lbs	0.6	0.0	66.7	33.3
Med-Heavy Truck 14,001-33,000 lbs	0.8	0.0	25.0	75.0
Heavy-Heavy Truck 33,001-60,000 lbs	0.3	0.0	0.0	100.0
Other Bus	0.1	0.0	0.0	100.0
Urban Bus	0.0	0.0	0.0	0.0
Motorcycle	2.9	62.1	37.9	0.0
School Bus	0.1	0.0	0.0	100.0
Motor Home	0.7	0.0	85.7	14.3

Travel Conditions

	Residential			Commuter	Commercial	
	Home-Work	Home-Shop	Home-Other		Non-Work	Customer
Urban Trip Length (miles)	10.8	7.3	7.5	9.5	7.4	7.4

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Rural Trip Length (miles)	16.8	7.1	7.9	14.7	6.6	6.6
Trip speeds (mph)	35.0	35.0	35.0	35.0	35.0	35.0
% of Trips - Residential	32.9	18.0	49.1			
% of Trips - Commercial (by land use)						
City park				5.0	2.5	92.5

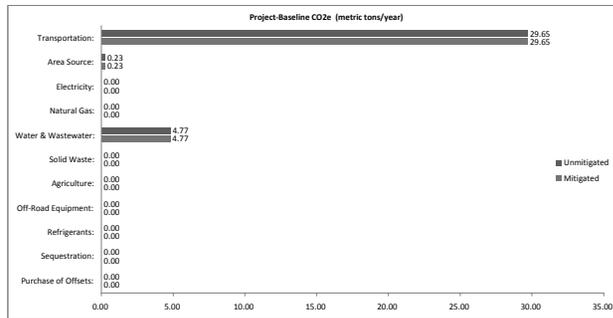
BGM RESULTS FOR OPERATIONS AT PROJECT BUILD-OUT

Summary Results

Project Name: Morse-Park Const and Ops
 Project and Baseline Years: 2012 N/A

Results	Unmitigated Project-Baseline CO2e (metric tons/year)	Mitigated Project-Baseline CO2e (metric tons/year)
Transportation:	29.65	29.65
Area Source:	0.23	0.23
Electricity:	0.00	0.00
Natural Gas:	0.00	0.00
Water & Wastewater:	4.77	4.77
Solid Waste:	0.00	0.00
Agriculture:	0.00	0.00
Off-Road Equipment:	0.00	0.00
Refrigerants:	0.00	0.00
Sequestration:	N/A	0.00
Purchase of Offsets:	N/A	0.00
Total	34.65	34.65

Baseline is currently: **OFF**
 Baseline Project Name:
 Go to Settings Tab to Turn On Baseline



Detailed Results

Unmitigated	CO2 (metric tpy)	CH4 (metric tpy)	N2O (metric tpy)	CO2e (metric tpy)	% of Total
Transportation*:				29.65	85.58%
Area Source:	0.23	0.00	0.00	0.23	0.65%
Electricity:	0.00	0.00	0.00	0.00	0.00%
Natural Gas:	0.00	0.00	0.00	0.00	0.00%
Water & Wastewater:	4.76	0.00	0.00	4.77	13.77%
Solid Waste:	0.00	0.00	N/A	0.00	0.00%
Agriculture:	0.00	0.00	0.00	0.00	0.00%
Off-Road Equipment:	0.00	0.00	0.00	0.00	0.00%
Refrigerants:	N/A	N/A	N/A	0.00	0.00%
Sequestration:	N/A	N/A	N/A	N/A	N/A
Purchase of Offsets:	N/A	N/A	N/A	N/A	N/A
Total				34.65	100.00%

Baseline	CO2 (metric tpy)	CH4 (metric tpy)	N2O (metric tpy)	CO2e (metric tpy)	% of Total
Transportation*:				0.00	N/A
Area Source:	0.00	0.00	0.00	0.00	N/A
Electricity:	0.00	0.00	0.00	0.00	N/A
Natural Gas:	0.00	0.00	0.00	0.00	N/A
Water & Wastewater:	0.00	0.00	0.00	0.00	N/A
Solid Waste:	0.00	0.00	N/A	0.00	N/A
Agriculture:	0.00	0.00	0.00	0.00	N/A
Off-Road Equipment:	0.00	0.00	0.00	0.00	N/A
Refrigerants:	N/A	N/A	N/A	0.00	N/A
Sequestration:	N/A	N/A	N/A	N/A	N/A
Purchase of Offsets:	N/A	N/A	N/A	N/A	N/A
Total				0.00	0.00%

* Several adjustments were made to transportation emissions after they have been imported from URBEMIS. After importing from URBEMIS, CO2 emissions are converted to metric tons and then adjusted to account for the "Pavley" regulation. Then, CO2 is converted to CO2e by multiplying by 100/95 to account for the contribution of other GHGs (CH4, N2O, and HFCs [from leaking air conditioners]). Finally, CO2e is adjusted to account for the low carbon fuels rule.

Mitigated	CO2 (metric tpy)	CH4 (metric tpy)	N2O (metric tpy)	CO2e (metric tpy)	% of Total
Transportation*:				29.65	85.58%
Area Source:	0.23	0.00	0.00	0.23	0.65%
Electricity:	0.00	0.00	0.00	0.00	0.00%
Natural Gas:	0.00	0.00	0.00	0.00	0.00%
Water & Wastewater:	4.76	0.00	0.00	4.77	13.77%
Solid Waste:	0.00	0.00	N/A	0.00	0.00%
Agriculture:	0.00	0.00	0.00	0.00	0.00%
Off-Road Equipment:	0.00	0.00	0.00	0.00	0.00%
Refrigerants:	N/A	N/A	N/A	0.00	0.00%
Sequestration:	N/A	N/A	N/A	0.00	0.00%
Purchase of Offsets:	N/A	N/A	N/A	0.00	0.00%
Total				34.65	100.00%

Mitigation Measures Selected:

Transportation: Go to the following tab: [Transp. Detail Mit](#) for a list of the transportation mitigation measures selected (in URBEMIS)

Electricity: The following mitigation measure(s) have been selected to reduce electricity emissions.

Natural Gas: The following mitigation measure(s) have been selected to reduce natural gas emissions.

Water and Wastewater: The following mitigation measure(s) have been selected to reduce water and wastewater emissions.

Solid Waste: The following mitigation measure has been selected to reduce solid waste related GHG emissions.

Ag: No existing mitigation measures available.

Off-Road Equipment: No existing mitigation measures available.

Refrigerants: The following mitigation measure has been selected to reduce refrigerant emissions:

Carbon Sequestration: Project does not include carbon sequestration through tree planting.

Emission Offsets/Credits: Project does not include purchase of emission offsets/credits.