

*** AERMOD - VERSION 14134 *** *** Armstrong Ranch Operational PM10
*** 10/30/15
*** AERMET - VERSION 14134 *** ***
*** 14:32:59

PAGE 1

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** MODEL SETUP OPTIONS SUMMARY ***

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 80 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2015355.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay for URBAN/Non-SO2.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates PERIOD Averages

**This Run Includes: 80 Source(s); 1 Source Group(s); and 2478 Receptor(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)

Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 379.00 ; Decay Coef. = 0.000 ;
Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit
Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Detailed Error/Message File: Armstrong Ranch.err

**File for Summary of Results: Armstrong Ranch.sum

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 *** 14:32:59

PAGE 2

**MODELOPTs: RegDFAULT CONC ELEV FLGPOL

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
 (1=YES; 0=NO)

	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1														
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
 (METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	0.53	999.00	999.
-9.0	281.4			5.5												
08	01	01	1	09	23.9	-9.000	-9.000	-9.000	56.	-999.	-99999.0	0.33	1.00	0.31	999.00	999.
-9.0	285.9			5.5												
08	01	01	1	10	64.1	-9.000	-9.000	-9.000	142.	-999.	-99999.0	0.33	1.00	0.24	999.00	999.
-9.0	287.5			5.5												
08	01	01	1	11	112.5	-9.000	-9.000	-9.000	356.	-999.	-99999.0	0.33	1.00	0.21	999.00	999.
-9.0	290.4			5.5												
08	01	01	1	12	134.8	-9.000	-9.000	-9.000	586.	-999.	-99999.0	0.33	1.00	0.20	999.00	999.
-9.0	293.1			5.5												
08	01	01	1	13	103.6	-9.000	-9.000	-9.000	708.	-999.	-99999.0	0.33	1.00	0.20	999.00	999.
-9.0	293.1			5.5												
08	01	01	1	14	93.1	-9.000	-9.000	-9.000	753.	-999.	-99999.0	0.33	1.00	0.22	999.00	999.
-9.0	293.8			5.5												
08	01	01	1	15	44.5	-9.000	-9.000	-9.000	772.	-999.	-99999.0	0.33	1.00	0.25	999.00	999.
-9.0	292.5			5.5												
08	01	01	1	16	8.6	-9.000	-9.000	-9.000	774.	-999.	-99999.0	0.33	1.00	0.34	999.00	999.
-9.0	290.4			5.5												
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	0.62	999.00	999.
-9.0	289.2			5.5												
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.
-9.0	287.0			5.5												
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.
-9.0	285.9			5.5												
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.
-9.0	284.9			5.5												
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.
-9.0	284.2			5.5												
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.
-9.0	283.1			5.5												
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.
-9.0	281.4			5.5												
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.
-9.0	281.4			5.5												

First hour of profile data

YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV

08	01	01	01	5.5	0	-999.	-99.00	281.0	99.0	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

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 *** 14:32:59

PAGE 4

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

NETWORK									
GROUP ID		AVERAGE CONC		RECEPTOR	(XR, YR, ZELEV, ZHILL, ZFLAG)		OF		
TYPE	GRID-ID								

ALL	1ST HIGHEST VALUE IS	0.42852	AT (	444623.24,	3764093.00,	232.70,	232.70,	
2.00)	GC UCART16								
	2ND HIGHEST VALUE IS	0.42602	AT (	444623.24,	3763993.00,	232.50,	232.50,	
2.00)	GC UCART16								
	3RD HIGHEST VALUE IS	0.42389	AT (	444623.24,	3764113.00,	232.90,	232.90,	
2.00)	GC UCART16								
	4TH HIGHEST VALUE IS	0.42313	AT (	444623.24,	3764013.00,	232.50,	232.50,	
2.00)	GC UCART16								
	5TH HIGHEST VALUE IS	0.42222	AT (	444623.24,	3764073.00,	232.60,	232.60,	
2.00)	GC UCART16								
	6TH HIGHEST VALUE IS	0.42099	AT (	444623.24,	3764193.00,	233.70,	233.70,	
2.00)	GC UCART16								
	7TH HIGHEST VALUE IS	0.41759	AT (	444623.24,	3763973.00,	232.50,	232.50,	
2.00)	GC UCART16								
	8TH HIGHEST VALUE IS	0.41736	AT (	444623.24,	3764173.00,	233.50,	233.50,	
2.00)	GC UCART16								
	9TH HIGHEST VALUE IS	0.41530	AT (	444623.24,	3764033.00,	232.50,	232.50,	
2.00)	GC UCART16								

10TH HIGHEST VALUE IS 0.41458 AT (444623.24, 3764133.00, 233.10, 233.10,
2.00) GC UCART16

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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PAGE 5

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

DATE

NETWORK GROUP ID ZHILL, ZFLAG)	OF TYPE	GRID-ID	AVERAGE CONC (YMMDDHH)	RECEPTOR (XR, YR, ZELEV,
--------------------------------------	---------	---------	---------------------------	-----------------------------

ALL HIGH 1ST HIGH VALUE IS 0.62955 ON 11112024: AT (443957.83, 3763671.48, 229.65,
229.65, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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PAGE 6

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 1377 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 9 Calm Hours Identified

A Total of 1368 Missing Hours Identified (3.12 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
*** NONE ***

Appendix

CalEEMod Operational Input Summary
CalEEMod Input and Output Files Available Upon Request

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CalEEMod Input Summary - Land Use & Vehicular Trips

Project Characteristics

File Name: Armstrong Ranch CalEEmod Input v8res.xls
Project: Armstrong Ranch Res w/School
Year: 2021
Size: 198.8 Acres
Population: 2843
Location: SBERNSC
Climate Zone: 7
Urbanization: Urban
Wind Speed: 2.2 m/s
Precipitation: 32 days/year
Utility: Southern California Edison
CO₂: 630.89 lb/MW hr
CH₄: 0.029 lb/MW hr
N₂O: 0.006 lb/MW hr

Land Use Information

Category:	Parking	Residential	0
Land Use:	Parking Lot	Single Family Housing	0
Units:	7 Acre	994 Dwelling Unit	
Lot Size:	7.0 Acres	191.8 Acres	0.0 Acres
Bulding Size	304,920 sq. ft.	1,789,200 sq. ft.	0 sq. ft.
Population:	0	2,843	0

Vehicle Miles Traveled

Daily	VMT	VMT	VMT	Total
Home-Work:	0	49,685	0	49,685
Home-Shop	0	9,528	0	9,528
Home-Other	0	29,703	0	29,703
Comm-Cust:	0	0	0	0
Comm-Work:	0	0	0	0
Comm-NonWork:	0	0	0	0
Total:	0	88,915	0	88,915
Annual	0	32,454,128	0	32,454,128

CalEEMod Input Summary - Land Use & Vehicular Trips

File Name: Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch Res w/School

Trip Generation

Trip Rate				
Weekday:	0 / Acre	9.57 / Dwelling Unit	/	
Saturday:	0 / Acre	10.08 / Dwelling Unit	/	
Sunday:	0 / Acre	8.77 / Dwelling Unit	/	
Daily Trips:				Total
Weekday:	0	9,513	0	9,513
Saturday:	0	10,020	0	10,020
Sunday:	0	8,717	0	8,717
Average:	0	9,471	0	9,471

Trip Type

Trip Purpose				
Primary:	0%	86%	0%	
Diverted:	0%	11%	0%	
Pass By:	0%	3%	0%	
Origin-Destination				
Home-Work:	0%	40%	0%	
Home-School:	0%	19%	0%	
Home-Office:	0%	41%	0%	
Comm-Cust:	0%	0%	0%	
Comm-Work:	0%	0%	0%	
Comm-NonWork:	0%	0%	0%	

Trip Length

Trip Length Basis				
Home-Work:	0.00	14.70	0.00	
Home-School:	0.00	5.90	0.00	
Home-Office:	0.00	8.70	0.00	
Comm-Cust:	8.40	0.00	0.00	
Comm-Work:	16.60	0.00	0.00	
Comm-NonWork:	6.90	0.00	0.00	
Modeled Trip Length				
Home-Work:	0.00	13.05	0.00	
Home-School:	0.00	5.24	0.00	
Home-Office:	0.00	7.72	0.00	
Comm-Cust:	0.00	0.00	0.00	
Comm-Work:	0.00	0.00	0.00	
Comm-NonWork:	0.00	0.00	0.00	

CalEEMod Input Summary - Operational Emissions

File Name: Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch

Electricity and Natural Gas

	Parking Lot	Single Family Housing	0
Electrical Use (kWhr/size/year)			
Title 24:	0	764	0
Non-Title 24:	0	5,099	0
Lighting:	1	1,609	0
Total:	1	7,472	0
Natural Gas (kBtu/size/year)			
Title 24:	0	23,622	0
Non-Title 24:	0	6,070	0
Total:	0	29,692	0

Water & Wastewater

	Parking Lot	Single Family Housing	0
Water Use (gal/yr)			
Indoor:	0	64,763,101	0
Outdoor:	0	40,828,912	0
Total:	0	105,592,013	0
Electricity Intensity (kWhr/Mgal)			
Supply:	9,727	9,727	0
Supply Treat:	111	111	0
Distribute:	1,272	1,272	0
Waste Treat:	1,911	1,911	0
Total:	11,638	11,638	0
Waste Disposal			
Septic Tank:	10.3%	10.3%	0.0%
Aerobic:	87.5%	87.5%	0.0%
Anerobic			
Lagoon:	2.2%	2.2%	0.0%
w/ Combust:	100.0%	100.0%	0.0%
w/ Cogen:	0.0%	0.0%	0.0%

Architectural Coatings

	Interior	Exterior	Exterior
Residential			
Size:	3,623,130 sq. ft.	3,623,130 sq. ft.	1,207,710 sq. ft.
Rate:	50 g/L	50 g/L	100 g/L
Commercial			
Square Feet:	13,721 sq. ft.	13,721 sq. ft.	4,574 sq. ft.
Emission Factor:	250 g/L	250 g/L	250 g/L
Reapplication Rate		10.0%	

CalEEMod Input Summary - Operational Emissions

File Name: Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch

Fireplace

	0	Single Family Housing	Parking Lot
Number of Units With:			
Wood:	0	0	0
Gas:	994	0	0
Propane:	0	0	0
None:	0	0	0
Use			
Hrs/day:	3.00	0.00	0.00
Days/Year:	25	0	0
Wood Mass:	0	0	0

Wood Stoves

	Parking Lot	Single Family Housing	0
Number of Units With:			
Conventional:	0	0	0
Catalytic:	0	0	0
Non-Catalytic:	0	0	0
Pellet:	0	0	0
Use			
Days/Year:	25.00	0.00	0.00
Wood Mass:	0	0	0

Consumer Products

Emission Factor:	1.98E-05 g VOC/sqr ft	g VOC/sqr ft
------------------	-----------------------	--------------

Landscape Equipment

	Snow Days	Summer Days	Summer Days
	0	0	250

CalEEMod Input Summary - Operational Mitigation

File Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch

Land Use Mitigation

Project Setting

0

Land Use

-- **Increased Density**

-- DU Per Acre

-- Jobs/Acre

-- **Increase Diversity**

-- **Improve Walkability**

-- Intersections/Square Mile

-- **Improve Destination Accessibility**

-- Dist. To Downtown Job Center (mi)

-- **Increase Transit Accessibility**

-- Dist. To Transit Station (mi)

-- **Integrate Below Market Rate Housing**

-- # of Units Below Market Rate

Neighborhood Enhancements

-- **Improve Pedestrian Network**

--

-- **Provide Traffic Calming Measures**

-- % of Streets With Improvement

-- % Intersections With Improvement

-- **Implement NEV Network**

Parking Policy/Pricing

Limit Parking Supply

-- % Reduction in Spaces

-- **Unbundle Parking Costs**

-- Monthly Parking Cost (\$)

-- **On-Street Market Pricing**

-- % Increase in Price

Transit Improvement

-- **Provide BRT System**

-- % Lines BRT

-- **Expand Transit Network**

-- % Increase in Transit Coverage

-- **Increase Transit Frequency**

-- Implementation Level

-- % Reduction in Headway

Energy Mitigation

Building Energy

-- **Exceed Title 24**

-- % Improvement

-- **Install Energy Efficient Lighting**

-- % Improvement

Alternative Energy

-- **Onsite Renewable Energy**

-- Total kWH

-- kWH Generated

-- % of Use Generated

-- % of Use

Appliance Mitigation

30% Clothes Washer

15% Dish Washer

50% Fan

15% Refrigerator

CalEEMod Input Summary - Operational Mitigation

File Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch

Commute Mitigation

Commute Trips

-- **Implement Trip Reduction Program**

-- % Employees Eligible

-- Type

-- **Implement Transit Subsidy**

-- % Employees Eligible

-- Daily Subsidy Amount(\$)

-- **Implement Employee Parking "Cash Out"**

-- % Employees Eligible

-- **Workplace Parking Charge**

-- % Employees Eligible

-- Daily Parking Charge (\$)

-- **Encourage Telecommute & Alt Schedules**

-- % Employees Work 9/80

-- % Employees Work 4/40

-- % Employees Telecommute 1.5 days

-- **Market Commute Trip Reduction Program**

-- % Employees Eligible

-- **Employee Vanpool/Shuttle**

-- % Employees Eligible

-- % Vanpool Mode Share

-- **Provide Ride Sharing Program**

-- % Employees Eligible

School Trips

-- **Implement School Bus Program**

-- % Families Using

Water Mitigation

Water Conservation Strategy

-- **Apply Water Conservation Strategy**

-- % Reduction Indoor

-- % Reduction Outdoor

Water Supply

-- **Use Reclaimed Water**

-- % Indoor Water use

-- % Outdoor Water Use

-- **Use Grey Water**

-- % Indoor Water use

-- % Outdoor Water Use

Indoor Water Use

-- **Install Low Flow Bathroom Faucet**

-- % Reduction in Flow

-- **Install Low Flow Kitchen Faucet**

-- % Reduction in Flow

-- **Install Low Flow Toilet Faucet**

-- % Reduction in Flow

-- **Install Low Flow Shower**

-- % Reduction in Flow

Outdoor Water Use

-- **Turf Reduction**

-- Turf Reduction Area (acres)

-- % Reduction in Turf

-- **Use Water Efficient Irrigation Systems**

-- % Reduction

-- **Water Efficient Landscape**

-- MAWA (gal/yr)

-- ETWU (gal/yr)

Municipal Waste Mitigation

-- **Institute Recycling and Composting Services**

-- % Reduction in Waste Disposed

CalEEMod Input Summary - Land Use & Vehicular Trips

Project Characteristics

File Name: Armstrong Ranch CalE	Emod Input v8school.xls
Project:	Armstrong Ranch Res w/School
Year:	2021
Size:	198.8 Acres
Population:	2700
Location:	SBERNSC
Climate Zone:	7
Urbanization:	Urban
Wind Speed:	2.2 m/s
Precipitation:	32 days/year
Utility:	Southern California Edison
CO₂:	630.89 lb/MW hr
CH₄:	0.029 lb/MW hr
N₂O:	0.006 lb/MW hr

Land Use Information

Category:	Educational	Parking	Residential
Land Use:	Elementary School	Other Asphalt Surfaces	Single Family Housing
Units:	1000 Student	7 Acre	944 Dwelling Unit
Lot Size:	10.0 Acres	7.0 Acres	181.8 Acres
Bulding Size	83,603 sq. ft.	304,920 sq. ft.	1,699,200 sq. ft.
Population:	0	0	2,700

Vehicle Miles Traveled

Daily	VMT	VMT	VMT	Total
Home-Work:	0	0	47,186	47,186
Home-Shop	0	0	9,048	9,048
Home-Other	0	0	28,209	28,209
Comm-Cust:	637	0	0	637
Comm-Work:	2,725	0	0	2,725
Comm-NonWork:	87	0	0	87
Total:	3,449	0	84,443	87,892
Annual	1,258,917	0	30,821,627	32,080,544

CalEEMod Input Summary - Land Use & Vehicular Trips

File Name: Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch Res w/School

Trip Generation

Trip Rate			
Weekday:	0.51 / Student	0 / Acre	9.57 / Dwelling Unit
Saturday:	0 / Student	0 / Acre	10.08 / Dwelling Unit
Sunday:	0 / Student	0 / Acre	8.77 / Dwelling Unit
Daily Trips:			Total
Weekday:	510	0	9,034
Saturday:	0	0	9,516
Sunday:	0	0	8,279
Average:	364	0	8,995

Trip Type

Trip Purpose			
Primary:	63%	0%	86%
Diverted:	25%	0%	11%
Pass By:	12%	0%	3%
Origin-Destination			
Home-Work:	0%	0%	40%
Home-School:	0%	0%	19%
Home-Office:	0%	0%	41%
Comm-Cust:	30%	0%	0%
Comm-Work:	65%	0%	0%
Comm-NonWork:	5%	0%	0%

Trip Length

Trip Length Basis			
Home-Work:	0.00	0.00	14.70
Home-School:	0.00	0.00	5.90
Home-Office:	0.00	0.00	8.70
Comm-Cust:	8.40	8.40	0.00
Comm-Work:	16.60	16.60	0.00
Comm-NonWork:	6.90	6.90	0.00
Modeled Trip Length			
Home-Work:	0.01	0.00	13.05
Home-School:	0.01	0.00	5.24
Home-Office:	0.01	0.00	7.72
Comm-Cust:	5.83	0.00	0.00
Comm-Work:	11.51	0.00	0.00
Comm-NonWork:	4.79	0.00	0.00

CalEEMod Input Summary - Operational Emissions

File Name: Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch

Electricity and Natural Gas

	Elementary School	Other Asphalt Surfaces	Single Family Housing
Electrical Use (kWhr/size/year)			
Title 24:	2	0	764
Non-Title 24:	2	0	5,099
Lighting:	4	0	1,609
Total:	8	0	7,472
Natural Gas (kBtu/size/year)			
Title 24:	11	0	23,622
Non-Title 24:	0	0	6,070
Total:	11	0	29,692

Water & Wastewater

	Elementary School	Other Asphalt Surfaces	Single Family Housing
Water Use (gal/yr)			
Indoor:	2,424,240	0	61,505,400
Outdoor:	6,233,760	0	38,775,144
Total:	8,658,000	0	100,280,544
Electricity Intensity (kWhr/Mgal)			
Supply:	9,727	9,727	9,727
Supply Treat:	111	111	111
Distribute:	1,272	1,272	1,272
Waste Treat:	1,911	1,911	1,911
Total:	11,638	11,638	11,638
Waste Disposal			
Septic Tank:	10.3%	10.3%	10.3%
Aerobic:	87.5%	87.5%	87.5%
Anerobic			
Lagoon:	2.2%	2.2%	2.2%
w/ Combust:	100.0%	100.0%	100.0%
w/ Cogen:	0.0%	0.0%	0.0%

Architectural Coatings

	Interior	Exterior	Exterior
Residential			
Size:	3,440,880 sq. ft.	3,440,880 sq. ft.	1,146,960 sq. ft.
Rate:	50 g/L	50 g/L	100 g/L
Commercial			
Square Feet:	582,785 sq. ft.	582,785 sq. ft.	194,262 sq. ft.
Emission Factor:	250 g/L	250 g/L	250 g/L
Reapplication Rate		10.0%	

CalEEMod Input Summary - Operational Emissions

File Name: Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch

Fireplace

	Single Family Housing	Other Asphalt Surfaces	Elementary School
Number of Units With:			
Wood:	0	0	0
Gas:	944	0	0
Propane:	0	0	0
None:	0	0	0
Use			
Hrs/day:	3.00	0.00	0.00
Days/Year:	25	0	0
Wood Mass:	0	0	0

Wood Stoves

	Elementary School	Other Asphalt Surfaces	Single Family Housing
Number of Units With:			
Conventional:	0	0	0
Catalytic:	0	0	0
Non-Catalytic:	0	0	0
Pellet:	0	0	0
Use			
Days/Year:	0.00	0.00	0.00
Wood Mass:	0	0	0

Consumer Products

Emission Factor:	1.98E-05 g VOC/sqr ft	g VOC/sqr ft
------------------	-----------------------	--------------

Landscape Equipment

	Snow Days	Summer Days	Summer Days
	0	0	250

CalEEMod Input Summary - Operational Mitigation

File Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch

Land Use Mitigation

Project Setting

0

Land Use

-- **Increased Density**

-- DU Per Acre

-- Jobs/Acre

-- **Increase Diversity**

-- **Improve Walkability**

-- Intersections/Square Mile

-- **Improve Destination Accessibility**

-- Dist. To Downtown Job Center (mi)

-- **Increase Transit Accessibility**

-- Dist. To Transit Station (mi)

-- **Integrate Below Market Rate Housing**

-- # of Units Below Market Rate

Neighborhood Enhancements

-- **Improve Pedestrian Network**

--

-- **Provide Traffic Calming Measures**

-- % of Streets With Improvement

-- % Intersections With Improvement

-- **Implement NEV Network**

Parking Policy/Pricing

Limit Parking Supply

-- % Reduction in Spaces

-- **Unbundle Parking Costs**

-- Monthly Parking Cost (\$)

-- **On-Street Market Pricing**

-- % Increase in Price

Transit Improvement

-- **Provide BRT System**

-- % Lines BRT

-- **Expand Transit Network**

-- % Increase in Transit Coverage

-- **Increase Transit Frequency**

-- Implementation Level

-- % Reduction in Headway

Energy Mitigation

Building Energy

-- **Exceed Title 24**

-- % Improvement

-- **Install Energy Efficient Lighting**

-- % Improvement

Alternative Energy

-- **Onsite Renewable Energy**

-- Total kWH

-- kWH Generated

-- % of Use Generated

-- % of Use

Appliance Mitigation

30% Clothes Washer

15% Dish Washer

50% Fan

15% Refrigerator

CalEEMod Input Summary - Operational Mitigation

File Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch

Commute Mitigation

Commute Trips

- **Implement Trip Reduction Program**
 - % Employees Eligible
 - Type
- **Implement Transit Subsidy**
 - % Employees Eligible
 - Daily Subsidy Amount(\$)
- **Implement Employee Parking "Cash Out"**
 - % Employees Eligible
- **Workplace Parking Charge**
 - % Employees Eligible
 - Daily Parking Charge (\$)
- **Encourage Telecommute & Alt Schedules**
 - % Employees Work 9/80
 - % Employees Work 4/40
 - % Employees Telecommute 1.5 days
- **Market Commute Trip Reduction Program**
 - % Employees Eligible
- **Employee Vanpool/Shuttle**
 - % Employees Eligible
 - % Vanpool Mode Share
- **Provide Ride Sharing Program**
 - % Employees Eligible

School Trips

- **Implement School Bus Program**
 - % Families Using

Water Mitigation

Water Conservation Strategy

- **Apply Water Conservation Strategy**
 - % Reduction Indoor
 - % Reduction Outdoor

Water Supply

- **Use Reclaimed Water**
 - % Indoor Water use
 - % Outdoor Water Use
- **Use Grey Water**
 - % Indoor Water use
 - % Outdoor Water Use

Indoor Water Use

- **Install Low Flow Bathroom Faucet**
 - % Reduction in Flow
- **Install Low Flow Kitchen Faucet**
 - % Reduction in Flow
- **Install Low Flow Toilet Faucet**
 - % Reduction in Flow
- **Install Low Flow Shower**
 - % Reduction in Flow

Outdoor Water Use

- **Turf Reduction**
 - Turf Reduction Area (acres)
 - % Reduction in Turf
- **Use Water Efficient Irrigation Systems**
 - % Reduction
- **Water Efficient Landscape**
 - MAWA (gal/yr)
 - ETWU (gal/yr)

Municipal Waste Mitigation

- **Institute Recycling and Composting Services**
 - % Reduction in Waste Disposed

AERMOD Output Summary

AERMOD Input and Output Files Available Upon Request

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** MODEL SETUP OPTIONS SUMMARY ***

**Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

**NO GAS DEPOSITION Data Provided.

**NO PARTICLE DEPOSITION Data Provided.

**Model Uses NO DRY DEPLETION. DRYDPLT = F

**Model Uses NO WET DEPLETION. WETDPLT = F

**Model Uses URBAN Dispersion Algorithm for the SBL for 80 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2015355.0 ; Urban Roughness Length = 1.000 m

**Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay for URBAN/Non-SO2.
6. Urban Roughness Length of 1.0 Meter Assumed.

**Other Options Specified:

TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Accepts FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of: PM₁₀

**Model Calculates 1 Short Term Average(s) of: 24-HR
and Calculates PERIOD Averages

**This Run Includes: 80 Source(s); 1 Source Group(s); and 2478 Receptor(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 14134

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 379.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Detailed Error/Message File: Armstrong Ranch.err

**File for Summary of Results: Armstrong Ranch.sum

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: upla8.sfc
 Profile file: upla8.PFL
 Surface format: FREE
 Profile format: FREE
 Surface station no.: 0
 Name: UNKNOWN
 Year: 2008

Upper air station no.: 3190
 Name: UNKNOWN
 Year: 2008

Met Version: 14134

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	280.4	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	0.53	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	23.9	-9.000	-9.000	-9.000	56.	-999.	-99999.0	0.33	1.00	0.31	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	10	64.1	-9.000	-9.000	-9.000	142.	-999.	-99999.0	0.33	1.00	0.24	999.00	999.	-9.0	287.5	5.5			
08	01	01	1	11	112.5	-9.000	-9.000	-9.000	356.	-999.	-99999.0	0.33	1.00	0.21	999.00	999.	-9.0	290.4	5.5			
08	01	01	1	12	134.8	-9.000	-9.000	-9.000	586.	-999.	-99999.0	0.33	1.00	0.20	999.00	999.	-9.0	293.1	5.5			
08	01	01	1	13	103.6	-9.000	-9.000	-9.000	708.	-999.	-99999.0	0.33	1.00	0.20	999.00	999.	-9.0	293.1	5.5			
08	01	01	1	14	93.1	-9.000	-9.000	-9.000	753.	-999.	-99999.0	0.33	1.00	0.22	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	15	44.5	-9.000	-9.000	-9.000	772.	-999.	-99999.0	0.33	1.00	0.25	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	16	8.6	-9.000	-9.000	-9.000	774.	-999.	-99999.0	0.33	1.00	0.34	999.00	999.	-9.0	290.4	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	0.62	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	283.1	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB	TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	281.0	99.0	-99.00	-99.00	
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00	

F indicates top of profile (=1) or below (=0)

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.42852 AT (444623.24, 3764093.00, 232.70, 232.70, 2.00)	GC	UCART16
	2ND HIGHEST VALUE IS	0.42602 AT (444623.24, 3763993.00, 232.50, 232.50, 2.00)	GC	UCART16
	3RD HIGHEST VALUE IS	0.42389 AT (444623.24, 3764113.00, 232.90, 232.90, 2.00)	GC	UCART16
	4TH HIGHEST VALUE IS	0.42313 AT (444623.24, 3764013.00, 232.50, 232.50, 2.00)	GC	UCART16
	5TH HIGHEST VALUE IS	0.42222 AT (444623.24, 3764073.00, 232.60, 232.60, 2.00)	GC	UCART16
	6TH HIGHEST VALUE IS	0.42099 AT (444623.24, 3764193.00, 233.70, 233.70, 2.00)	GC	UCART16
	7TH HIGHEST VALUE IS	0.41759 AT (444623.24, 3763973.00, 232.50, 232.50, 2.00)	GC	UCART16
	8TH HIGHEST VALUE IS	0.41736 AT (444623.24, 3764173.00, 233.50, 233.50, 2.00)	GC	UCART16
	9TH HIGHEST VALUE IS	0.41530 AT (444623.24, 3764033.00, 232.50, 232.50, 2.00)	GC	UCART16
	10TH HIGHEST VALUE IS	0.41458 AT (444623.24, 3764133.00, 233.10, 233.10, 2.00)	GC	UCART16

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 14134 ***
*** AERMET - VERSION 14134 ***

*** Armstrong Ranch Operational PM10

*** 10/30/15
*** 14:32:59
PAGE 5

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH	1ST HIGH VALUE IS	0.62955 ON 11112024: AT (443957.83, 3763671.48, 229.65, 229.65, 2.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 14134 *** *** Armstrong Ranch Operational PM10
*** AERMET - VERSION 14134 *** ***

*** 10/30/15
*** 14:32:59
PAGE 6

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 1377 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 9 Calm Hours Identified

A Total of 1368 Missing Hours Identified (3.12 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
*** NONE ***

Air Quality Assessment For:
ARMSTRONG
RANCH SPECIFIC
PLAN
CITY OF ONTARIO

Prepared For:
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June 15, 2016
Report #565601A002

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TABLE OF CONTENTS

LIST OF TABLES	iii
LIST OF FIGURES.....	iii
1.0 Introduction	1
1.1 Project Description	1
2.0 Existing Conditions	7
2.1 Existing Sensitive Receptors	7
2.2 Local, State, and Federal Air Quality Agencies	7
2.3 Criteria Pollutants, Health Effects and Standards	8
2.3.1 Ozone (O ₃)	9
2.3.2 Particulate Matter (PM ₁₀ & PM _{2.5})	11
2.3.3 Carbon Monoxide (CO)	12
2.3.4 Nitrogen Dioxide (NO ₂).....	12
2.3.5 Sulfur Dioxide (SO ₂)	12
2.3.6 Lead (Pb)	13
2.3.7 Visibility Reducing Particulates	13
2.3.8 Sulfates (SO ₄ ²⁻).....	13
2.3.9 Hydrogen Sulfide (H ₂ S)	14
2.3.10 Vinyl Chloride (Chloroethene)	14
2.4 SCAB Attainment Designations.....	14
2.5 Air Quality Management Plan (AQMP).....	15
2.6 Climate.....	18
2.7 Monitored Air Quality	19
3.0 Potential Air Quality Impacts.....	23
3.1 Thresholds of Significance	23
3.1.1 Regional Air Quality	23
3.1.2 Local Air Quality	23
3.2 Short-Term Impacts	25
3.2.1 Construction Emission Calculation Methodology	25
3.2.2 Regional Construction Emissions.....	26
3.2.3 On-site Construction Emissions	28
3.2.4 Diesel Particulate Matter Emissions During Construction.....	29
3.3 Long Term Impacts	30
3.3.1 Project Emissions Calculation Methodology	30
3.3.2 Regional Project Emissions	31
3.3.3 On-Site Project Emissions.....	31
3.3.4 Local Air Quality Impacts Near Intersections Affected by Traffic Generated by the Project.....	33
3.4 Compliance with Air Quality Planning	35
3.4.1 Consistency with AQMP	35
Criterion 1 - Increase in the Frequency or Severity of Violations?	35
Criterion 2 - Exceed Assumptions in the AQMP?	36
4.0 Mitigation Measures	37
4.1 Short-Term Impacts	37

TABLE OF CONTENTS (CONTINUED)

4.2 Long-Term Impacts	41
5.0 Unavoidable Significant Impacts	43
Appendix.....	45
CalEEMod Operational Input Summary	45
AERMOD Output Summary	59

LIST OF TABLES

Table 1	Proposed Development By Planning Area.....	2
Table 2	Ambient Air Quality Standards	10
Table 1	Designations of Criteria Pollutants for the SCAB	15
Table 2	Air Quality Measured at the Ontario Francis Street Monitoring Station	20
Table 3	Air Quality Measured at the Upland Monitoring Station	21
Table 3	SCAQMD Regional Pollutant Emission Thresholds of Significance..	23
Table 4	Localized Significance Thresholds	24
Table 4	Total Construction Emissions by Activity.....	26
Table 5	Total Concurrent Construction Emissions.....	27
Table 6	On-Site Emissions By Construction Activity.....	28
Table 7	On-Site Emissions By Concurrent Construction Activities	29
Table 8	Total Emissions With Project.....	31
Table 9	On-Site Project Emissions	32
Table 10	Total Mitigated Construction Emissions by Activity	38
Table 11	Total Mitigated Concurrent Construction Emissions	39
Table 12	On-Site Mitigated Emissions By Construction Activity	40
Table 13	On-Site Mitigated Emissions By Concurrent Construction Activities	41

LIST OF FIGURES

Figure 1	Project Vicinity	3
Figure 2	Project Boundary	4
Figure 3	Project Site Plan	5

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1.0 Introduction

This report analyzes the potential air quality impacts associated with the proposed development of the Armstrong Ranch Specific Plan in the City of Ontario. Regional air quality impacts from construction and operation of the proposed project are analyzed, as are potential local air quality impacts. Section 1.1 presents a description of the proposed project.

Existing air quality conditions are presented in Section 2.0. Existing land uses in the immediate vicinity of the Project that are considered sensitive to air quality are presented in Section 2.1. The structure and agencies responsible for regulating air quality are presented in Section 2.2. Section 2.3 describes the criteria air pollutants and their health effects and presents the state and federal ambient air quality standards (AAQS). The California Air Resources Board (CARB) and U.S. Environmental Protection Agency (EPA) establish the AAQS and designate areas as being in attainment if measured pollutant concentrations are less than the standards. Areas where concentrations exceed the AAQS are designated as non-attainment and are required to prepare plans to reduce pollution levels to below the standards. State and federal AAQS attainment designations for the South Coast Air Basin (SCAB) are discussed in Section 2.4 and the plans to attain the AAQS are discussed in Section 2.5. Air quality and climate are intimately related; the climate of the SCAB is discussed in Section 2.6. Monitored air quality in the vicinity of the project is presented in Section 2.7.

Potential air quality impacts from the proposed project are assessed in Section 3.0. The thresholds used to determine the significance of the project's emissions are presented in Section 3.1. Short-term impacts from pollutant emissions generated during construction of the project are presented in Section 3.2. Long-term impacts from pollutant emissions during operation of the project are presented in Section 3.3. Section 3.4 discusses the project's compliance with local air quality planning. Mitigation measures to reduce the project's air quality impacts are presented in Section 4.0.

1.1 Project Description

The Armstrong Ranch Specific Plan proposes the development of a maximum of 994 single-family dwelling units on approximately 198.8 acres bounded by Riverside Drive to the north, Chino Avenue to the south, Vineyard Avenue to the west, and Cucamonga Creek Channel to the east. The project includes one planning area, Planning Area 7, which is reserved for a 1,000 student elementary school. If the School District selects this site for a future elementary school then the number of residential units developed by the project will be reduced to 944. If the school is not developed, then 50 residential units will be constructed in Planning Area 7.

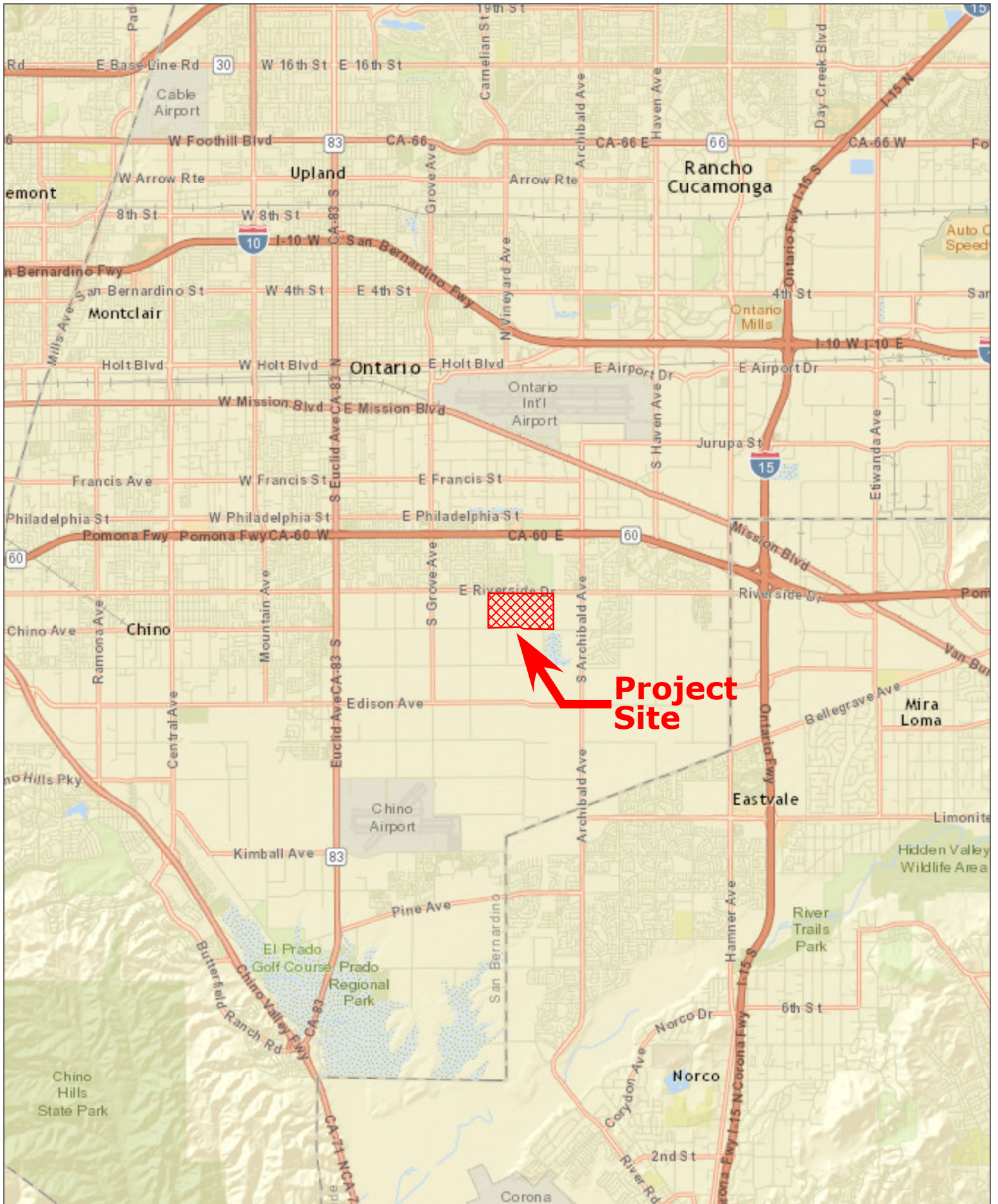
Figure 1 presents a vicinity map showing the project location and Figure 2 shows the project boundary overlaid on an aerial photograph of the project site. Figure 3 shows the seven Planning Areas established by the Specific Plan. The size and number of dwelling units proposed for each planning area is presented in Table 1.

Table 1
Proposed Development By Planning Area

Planning Area	Acres	Dwelling Units
1	38.6	193
2	36.2	157
3	26.8	154
4	26.9	148
5	34.2	161
6	24.5	131
7†	11.6	50
Total	198.8	994

†Planning Area 7 is reserved for a 1,000 student elementary school. If the site is not selected for future expansion by the school district, the land will revert to residential with 50 dwelling units.

Existing uses on the project site include agricultural fields, a former dairy site and scattered single-family homes. All existing development would be removed with the implementation of the proposed Specific Plan.



**Figure 1
Vicinity Map**



Figure 2
Project Boundaries
Armstrong Ranch Specific Plan

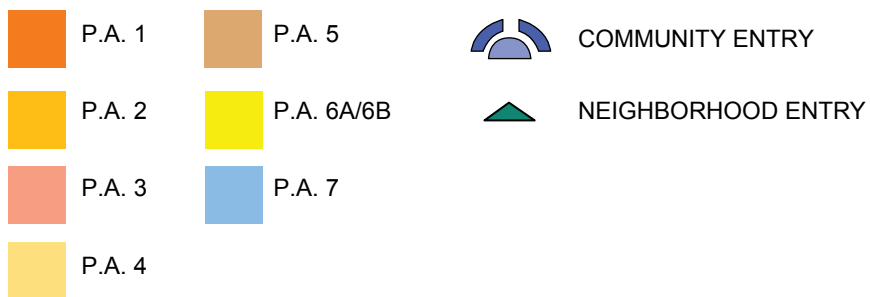
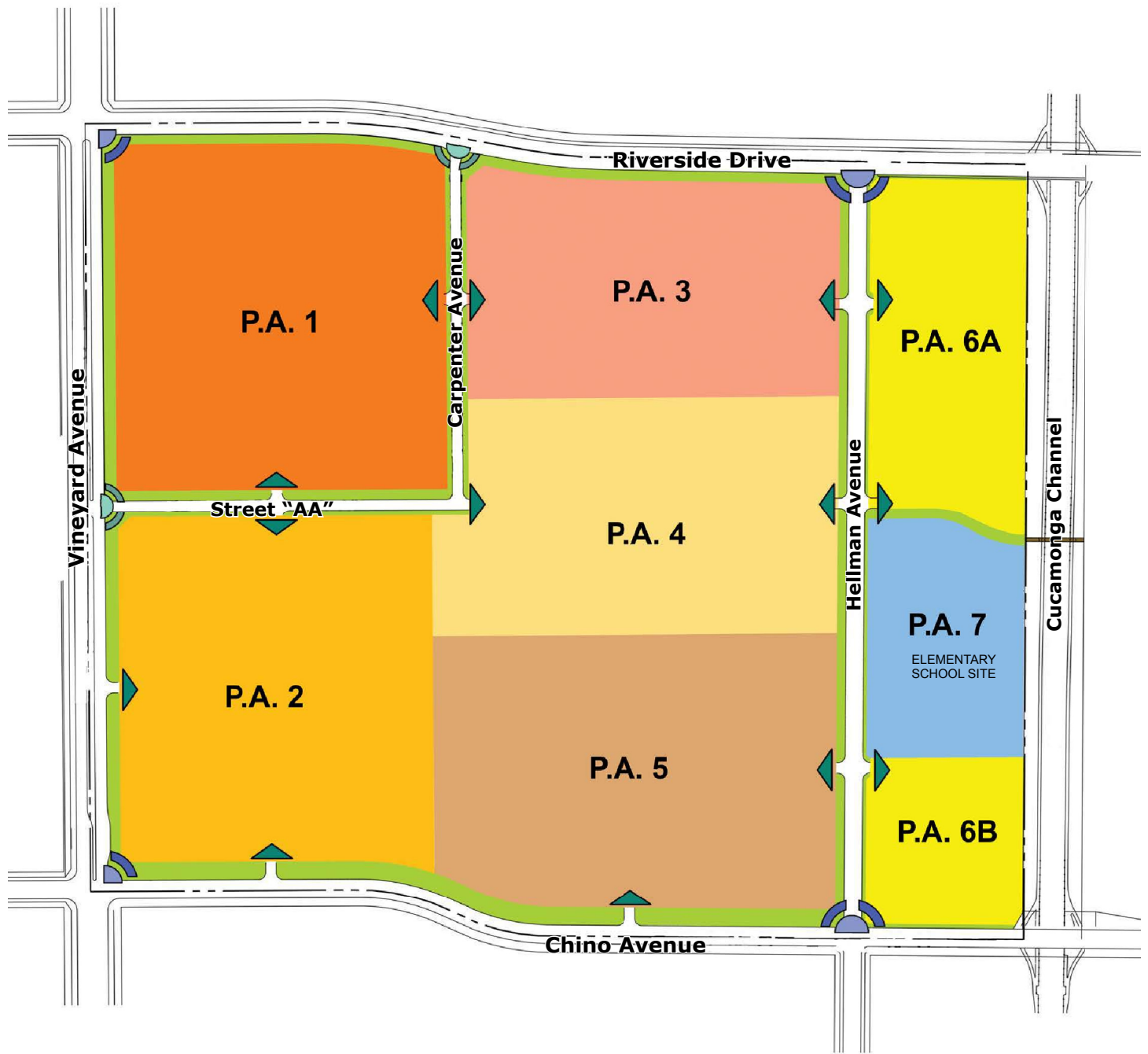


Figure 3
Project Site Plan

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2.0 Existing Conditions

2.1 Existing Sensitive Receptors

Land uses that are considered sensitive receptors for air quality impacts include residences, schools, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The nearest existing sensitive receptors to the project site are the single family homes and preschool/child care facility located to the north across Riverside Drive. There are also a few rural residences located to the south of the project across Chino Avenue. In addition, there are single-family homes located northwest of the project site north of Riverside Drive and west of Vineyard Avenue. Westwind Park and Community Center is located northeast of the project site, north of Riverside Drive and east of the Cucamonga Creek Channel.

There are no other sensitive receptors located in the immediate project vicinity. A golf course is located along the western portion of the northern boundary of the project across Riverside Drive. The existing uses to the west, south and east consist of agricultural fields and dairy farms.

2.2 Local, State, and Federal Air Quality Agencies

The Environmental Protection Agency (EPA) is the primary federal agency for regulating air quality. The EPA implements the provisions of the Federal Clean Air Act (FCAA). This Act establishes National Ambient Air Quality Standards (NAAQS) that are applicable nationwide. The EPA designates areas with pollutant concentrations that do not meet the NAAQS as non-attainment areas for each criteria pollutant. States are required by the FCAA to prepare State Implementation Plans (SIP) for designated non-attainment areas. The SIP is required to demonstrate how the areas will attain the NAAQS by the prescribed deadlines and what measures will be required to attain the standards. The EPA also oversees implementation of the prescribed measures. Areas that achieve the NAAQS after a non-attainment designation are redesignated as maintenance areas and must have approved Maintenance Plans to ensure continued attainment of the NAAQS. In addition, the EPA sets national vehicle and stationary source emission standards as well as providing research and guidance for air pollution programs.

The California Air Resources Board (CARB) was established in 1967 by the California legislature to attain and maintain healthy air quality, conduct research into the causes and solutions to air pollution, and systematically attack the serious problem caused by motor vehicles, which are the major causes of air pollution in the State. CARB sets and enforces emission standards for motor vehicles, fuels, and consumer products in the state of California. It sets the health based California Ambient Air Quality Standards (CAAQS) and monitors air quality levels throughout the state. The Board identifies and sets control measures for toxic air contaminants. The Board also performs air quality related research, provides compliance assistance for businesses, and produces education and outreach programs and materials. CARB is also responsible for compiling the SIP for submission to the EPA. Components of the SIP are prepared by local air polluting control districts in coordination with CARB.

California is divided into 15 Air Basins to better manage air pollution. Air basin boundaries define areas with similar geographical and meteorological features as well as political boundaries. While air pollution can move freely within an air basin, it can also sometimes be transported from one basin to another. The proposed project is located in the South Coast Air Basin (SCAB). The SCAB is comprised of parts of Los Angeles, Riverside and San Bernardino counties and all of Orange County. The Basin is bounded on the west by the Pacific Ocean and surrounded on the other sides by mountains. To the north lie the San Gabriel Mountains, to the north and east the San Bernardino Mountains, to the southeast the San Jacinto Mountains and to the south the Santa Ana Mountains. The Basin forms a low plain, and the mountains channel and confines airflow that trap air pollutants.

The State has established 35 air pollution control districts to set and enforce regulations to control pollutant emissions from local pollution sources within their jurisdictions. The air district responsible for the SCAB is the South Coast Air Quality Management District (SCAQMD). The local air districts are responsible for preparing the portion of the SIP applicable within their boundaries. The districts also adopt and enforce regulations for stationary sources as well as develop and implement indirect source and transportation control measures.

The Southern California Association of Governments (SCAG) is an important partner to the SCAQMD, as it is the designated metropolitan planning authority for the area. SCAG is responsible for preparing the portion of the SIP that relates to transportation control measures (TCM) as well as providing land use and population projections. TCM are intended to reduce and improve vehicular travel and associated pollutant emissions.

The California Clean Air Act (CCAA) required all air pollution control districts in the state to prepare a plan prior to December 31, 1994 to reduce pollutant concentrations exceeding the CAAQS and ultimately achieve the CAAQS. The districts are required to review and revise these plans every three years. The SCAQMD satisfies this requirement through the publication of an Air Quality Management Plan (AQMP). The AQMP is developed by SCAQMD and SCAG in coordination with local governments and the private sector. The AQMP is incorporated into the SIP by CARB to satisfy the CCAA requirements discussed above. The AQMP is discussed further in Section 2.5.

2.3 Criteria Pollutants, Health Effects and Standards

Under the Federal Clean Air Act (FCAA), the U.S. EPA has established National Ambient Air Quality Standards (NAAQS) for six major pollutants; ozone (O₃), respirable particulate matter (PM₁₀), fine particulate matter (PM_{2.5}), carbon monoxide (CO), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), and lead. These six air pollutants are often referred to as the criteria pollutants. The NAAQS are two tiered: primary, to protect public health, and secondary, to prevent degradation to the environment (i.e., impairment of visibility, damage to vegetation and property).

Under the California Clean Air Act (CCAA), the California Air Resources Board has established California Ambient Air Quality Standards (CAAQS) to protect the health and welfare of Californians. State standards have been established for the six

criteria pollutants as well as four additional pollutants; visibility reducing particles, sulfates, hydrogen sulfide, and vinyl chloride.

Table 2 presents the state and national ambient air quality standards. A brief explanation of each pollutant and their health effects is presented follows.

2.3.1 Ozone (O₃)

Ozone is a secondary pollutant; it is not directly emitted. Ozone is the result of chemical reactions between volatile organic compounds (VOC) (also referred to as reactive organic gasses (ROG)) and nitrogen oxides (NO_x), which occur only in the presence of bright sunlight. Sunlight and hot weather cause ground-level ozone to form in the air. As a result, it is known as a summertime air pollutant. Ground-level ozone is the primary constituent of smog. Because ozone is formed in the atmosphere, high concentrations can occur in areas well away from sources of its constituent pollutants.

People with lung disease, children, older adults, and people who are active can be affected when ozone levels are unhealthy. Numerous scientific studies have linked ground-level ozone exposure to a variety of problems, including:

- lung irritation that can cause inflammation much like a sunburn;
- wheezing, coughing, pain when taking a deep breathe, and breathing difficulties during exercise or outdoor activities;
- permanent lung damage to those with repeated exposure to ozone pollution; and
- aggravated asthma, reduced lung capacity, and increased susceptibility to respiratory illnesses like pneumonia and bronchitis.

Ground-level ozone can have detrimental effects on plants and ecosystems. These effects include:

- interfering with the ability of sensitive plants to produce and store food, making them more susceptible to certain diseases, insects, other pollutants, competition and harsh weather;
- damaging the leaves of trees and other plants, negatively impacting the appearance of urban vegetation, national parks, and recreation areas; and
- reducing crop yields and forest growth, potentially impacting species diversity in ecosystems.

**Table 2
Ambient Air Quality Standards**

Pollutant	Averaging Time	State Standards ^{1,3}	Federal Standards ²	
			Primary ^{3,4}	Secondary ^{3,5}
Ozone (O ₃)	1 Hour	0.09 ppm (180 µg/m ³)	--	--
	8 Hour	0.070 ppm (137 µg/m ³)	0.075 ppm (147 µg/m ³)	Same as Primary
Respirable Particulate Matter (PM ₁₀) ⁶	24 Hour	50 µg/m ³	150 µg/m ³	Same as Primary
	AAM ¹²	20 µg/m ³	--	Same as Primary
Fine Particulate Matter (PM _{2.5}) ⁶	24 Hour	--	35 µg/m ³	Same as Primary
	AAM ¹²	12 µg/m ³	12.0 µg/m ³	Same as Primary
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	35 ppm (40 mg/m ³)	None
	8 Hour	9.0 ppm (10 mg/m ³)	9 ppm (10 mg/m ³)	None
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)	--	--
Nitrogen Dioxide (NO ₂) ⁷	1 Hour	0.18 ppm (338 µg/m ³)	100 ppb (196 µg/m ³)	--
	AAM ¹²	0.030 ppm (56 µg/m ³)	0.053 ppb (100 µg/m ³)	Same as Primary
Sulfur Dioxide (SO ₂) ⁸	1 Hour	0.25 ppm (655 µg/m ³)	75 ppb (196 µg/m ³)	--
	3 Hour	--	--	0.5 ppm (1,300 µg/m ³)
	24 Hour	0.04 ppm (105 µg/m ³)	0.14 ppm (365 µg/m ³)	--
	AAM ¹²	--	0.030 ppm (80 µg/m ³)	--
Lead ^{9, 10}	30 day Avg.	1.5 µg/m ³	--	--
	Calendar Quarter		0.15 µg/m ³	
	Rolling 3-Month Average	--	0.15 µg/m ³	Same as Primary
Visibility Reducing Particles ¹¹	8 hour	Extinction coefficient of 0.23 per km -- visibility ≥ 10 miles (0.07 per km -- ≥30 miles for Lake Tahoe)	No Federal Standards	
Sulfates	24 Hour	25 µg/m ³		
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)		
Vinyl Chloride ⁹	24 Hour	0.01 ppm (26 µg/m ³)		

1. California standards for ozone, carbon monoxide (except Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, PM10, PM2.5, and visibility reducing particles, are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, PM10, PM2.5, and those based on annual averages or annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest eight-hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m³ is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact EPA for further clarification and current federal policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25° C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25° C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.

(Notes Continued on Next Page)

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4. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
 5. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
 6. On December 14, 2012, the national annual PM_{2.5} primary standard was lowered from 15 µg/m³ to 12.0 µg/m³. The existing national 24-hour PM_{2.5} standards (primary and secondary) were retained at 35 µg/m³, as was the annual secondary standard of 15 µg/m³. The existing 24-hour PM₁₀ standards (primary and secondary) of 150 µg/m³ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
 7. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
 8. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
 9. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
 10. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 µg/m³ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
 11. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.
 12. Annual Arithmetic Mean
-- No Standard
-

2.3.2 Particulate Matter (PM₁₀ & PM_{2.5})

Particulate matter includes both aerosols and solid particles of a wide range of size and composition. Of particular concern are those particles smaller than 10 microns in size (PM₁₀) and smaller than or equal to 2.5 microns (PM_{2.5}). The size of the particulate matter is referenced to the aerodynamic diameter of the particulate. Smaller particulates are of greater concern because they can penetrate deeper into the lungs than large particles.

The principal health effect of airborne particulate matter is on the respiratory system. Short-term exposures to high PM_{2.5} levels are associated with premature mortality and increased hospital admissions and emergency room visits. Long-term exposures to high PM_{2.5} levels are associated with premature mortality and development of chronic respiratory disease. Short-term exposures to high PM₁₀ levels are associated with hospital admissions for cardiopulmonary diseases, increased respiratory symptoms and possible premature mortality. The EPA has concluded that available evidence does not suggest an association between long-term exposure to PM₁₀ at current ambient levels and health effects.

PM_{2.5} is directly emitted in combustion exhaust and formed from atmospheric reactions between of various gaseous pollutants including nitrogen oxides (NO_x) sulfur oxides (SO_x) and volatile organic compounds (VOC). PM₁₀ is generally emitted directly as a result of mechanical processes that crush or grind larger particles or the re suspension of dusts most typically through construction activities and vehicular travels. PM_{2.5} can remain suspended in the atmosphere for days and

weeks and can be transported long distances. PM_{10} generally settles out of the atmosphere rapidly and are not readily transported over large distances.

2.3.3 Carbon Monoxide (CO)

Carbon monoxide is a colorless and odorless gas, which in the urban environment, is associated primarily with the incomplete combustion of fossil fuels in motor vehicles. Carbon monoxide combines with hemoglobin in the bloodstream and reduces the amount of oxygen that can be circulated through the body. High carbon monoxide concentrations can lead to headaches, aggravation of cardiovascular disease, and impairment of central nervous system functions. Carbon monoxide concentrations can vary greatly over comparatively short distances. Relatively high concentrations are typically found near crowded intersections, along heavily used roadways carrying slow-moving traffic, and at or near ground level. Even under the most severe meteorological and traffic conditions, high concentrations of carbon monoxide are limited to locations within a relatively short distance (i.e., up to 600 feet or 185 meters) of heavily traveled roadways. Overall carbon monoxide emissions are decreasing as a result of the Federal Motor Vehicle Control Program, which has mandated increasingly lower emission levels for vehicles manufactured since 1973.

2.3.4 Nitrogen Dioxide (NO₂)

Nitrogen gas, normally relatively inert (unreactive), comprises about 80% of the air. At high temperatures (i.e., in the combustion process) and under certain other conditions it can combine with oxygen, forming several different gaseous compounds collectively called nitrogen oxides (NO_x). Nitric oxide (NO) and nitrogen dioxide (NO₂) are the two most important compounds. Nitric oxide is converted to nitrogen dioxide in the atmosphere. Nitrogen dioxide (NO₂) is a red-brown pungent gas. Motor vehicle emissions are the main source of NO_x in urban areas.

Nitrogen dioxide is toxic to various animals as well as to humans. Its toxicity relates to its ability to form nitric acid with water in the eye, lung, mucus membrane and skin. In animals, long-term exposure to nitrogen oxides increases susceptibility to respiratory infections lowering their resistance to such diseases as pneumonia and influenza. Laboratory studies show susceptible humans, such as asthmatics, exposed to high concentrations of NO₂ can suffer lung irritation and potentially, lung damage. Epidemiological studies have also shown associations between NO₂ concentrations and daily mortality from respiratory and cardiovascular causes and with hospital admissions for respiratory conditions.

NO_x is a combination of primarily NO and NO₂. While the NAAQS only addresses NO₂, NO and the total group of nitrogen oxides is of concern. NO and NO₂ are both precursors in the formation of ozone and secondary particulate matter as discussed in Sections 2.3.1 and 2.3.2. Because of this, and that NO emissions largely convert to NO₂, NO_x emissions are typically examined when assessing potential air quality impacts.

2.3.5 Sulfur Dioxide (SO₂)

Sulfur oxides (SO_x) constitute a class of compounds of which sulfur dioxide (SO₂) and sulfur trioxide (SO₃) are of greatest importance. Ninety-five percent of pollution related SO_x emissions are in the form of SO₂. SO_x emissions are typically

examined when assessing potential air quality impacts of SO₂. Combustion of fossil fuels for generation of electric power is the primary contributor of SO_x emissions. Industrial processes, such as nonferrous metal smelting, also contribute to SO_x emissions. SO_x is also formed during combustion of motor fuels. However, most of the sulfur has been removed from fuels greatly reducing SO_x emissions from vehicles.

SO₂ combines easily with water vapor, forming aerosols of sulfurous acid (H₂SO₃), a colorless, mildly corrosive liquid. This liquid may then combine with oxygen in the air, forming the even more irritating and corrosive sulfuric acid (H₂SO₄). Peak levels of SO₂ in the air can cause temporary breathing difficulty for people with asthma who are active outdoors. Longer-term exposures to high levels of SO₂ gas and particles cause respiratory illness and aggravate existing heart disease. SO₂ reacts with other chemicals in the air to form tiny sulfate particles which are measured as PM_{2.5}. The health effects of PM_{2.5} are discussed in Section 2.3.2.

2.3.6 Lead (Pb)

Lead is a stable compound, which persists and accumulates both in the environment and in animals. In humans, it affects the blood-forming or hematopoietic, the nervous, and the renal systems. In addition, lead has been shown to affect the normal functions of the reproductive, endocrine, hepatic, cardiovascular, immunological, and gastrointestinal systems, although there is significant individual variability in response to lead exposure. Since 1975, lead emissions have been in decline due in part to the introduction of catalyst-equipped vehicles, and decline in production of leaded gasoline. In general, an analysis of lead is limited to projects that emit significant quantities of the pollutant (i.e. lead smelters) and are not applied to transportation projects.

2.3.7 Visibility Reducing Particulates

Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt. The Statewide standard is intended to limit the frequency and severity of visibility impairment due to regional haze. A separate standard for visibility-reducing particles that is applicable only in the Lake Tahoe Air Basin is based on reduction in scenic quality.

2.3.8 Sulfates (SO₄²⁻)

Sulfates are the fully oxidized ionic form of sulfur. Sulfates occur in combination with metal and / or hydrogen ions. In California, emissions of sulfur compounds occur primarily from the combustion of petroleum-derived fuels (e.g., gasoline and diesel fuel) that contain sulfur. This sulfur is oxidized to sulfur dioxide (SO₂) during the combustion process and subsequently converted to sulfate compounds in the atmosphere. The conversion of SO₂ to sulfates takes place comparatively rapidly and completely in urban areas of California due to regional meteorological features.

The ARB's sulfates standard is designed to prevent aggravation of respiratory symptoms. Effects of sulfate exposure at levels above the standard include a decrease in ventilatory function, aggravation of asthmatic symptoms, and an

increased risk of cardio-pulmonary disease. Sulfates are particularly effective in degrading visibility, and, due to fact that they are usually acidic, can harm ecosystems and damage materials and property.

2.3.9 Hydrogen Sulfide (H₂S)

Hydrogen sulfide (H₂S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. It can also be present in sewer gas and some natural gas, and can be emitted as the result of geothermal energy exploitation. Breathing H₂S at levels above the standard will result in exposure to a very disagreeable odor. In 1984, an ARB committee concluded that the ambient standard for H₂S is adequate to protect public health and to significantly reduce odor annoyance.

2.3.10 Vinyl Chloride (Chloroethene)

Vinyl chloride (chloroethene), a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.

Short-term exposure to high levels of vinyl chloride in air causes central nervous system effects, such as dizziness, drowsiness, and headaches. Long-term exposure to vinyl chloride through inhalation and oral exposure causes liver damage. Cancer is a major concern from exposure to vinyl chloride via inhalation. Vinyl chloride exposure has been shown to increase the risk of angiosarcoma, a rare form of liver cancer in humans.

2.4 SCAB Attainment Designations

Based on monitored air pollutant concentrations, the EPA and CARB designate areas relative to their status in attaining the NAAQS and CAAQS respectively. Table 1 lists the current attainment designations for the SCAB. For the Federal standards, the required attainment date is also shown. The Unclassified designation indicates that the air quality data for the area does not support a designation of attainment or non-attainment.

Table 1 shows that the EPA has designated SCAB as extreme non-attainment for ozone, non-attainment for PM_{2.5}, and attainment/maintenance for PM₁₀, CO and NO₂. The basin has been designated by the state as non-attainment for ozone, PM₁₀, and PM_{2.5}. For the federal designations, the qualifier "extreme" affects the required attainment dates as the federal regulations have different requirements for areas that exceed the standards by greater amounts at the time of attainment/non-attainment designation. The SCAB is designated as in attainment of the Federal SO₂ and lead NAAQS as well as the state CO, NO₂, SO₂, lead, hydrogen sulfide, and vinyl chloride CAAQS.

**Table 1
Designations of Criteria Pollutants for the SCAB**

Pollutant	Federal	State
Ozone (O ₃)	Extreme Non-Attainment (2024)	Non-Attainment
Respirable Particulate Matter (PM ₁₀)	Attainment/Maintenance	Non-Attainment
Fine Particulate Matter (PM _{2.5})	Non-Attainment (2021)	Non-Attainment
Carbon Monoxide (CO)	Attainment/Maintenance	Attainment
Nitrogen Dioxide (NO ₂)	Attainment/Maintenance	Attainment
Sulfur Dioxide (SO ₂)	Attainment	Attainment
Lead	Attainment*	Attainment
Visibility Reducing Particles	n/a	Unclassified
Sulfates	n/a	Unclassified
Hydrogen Sulfide	n/a	Attainment
Vinyl Chloride	n/a	Attainment

* A portion of Los Angeles County is designated as non-attainment for Lead due to high lead concentrations near the Exide automobile battery plant.

2.5 Air Quality Management Plan (AQMP)

As, discussed in Section 2.1, the FCAA requires all states with designated non-attainment areas to prepare SIP to demonstrate attainment of the NAAQS. SIPs for California are compiled by CARB. Local air pollution control districts are responsible for preparing the portions of the SIP that address local non-transportation pollutant sources within their jurisdiction and demonstrate attainment of the NAAQS by the required date. Further, the CCAA requires SCAQMD to publish a plan to reduce pollutant concentrations exceeding the CAAQS. In the SCAB, SCAQMD develops the AQMP for the air basin to satisfy these requirements. The AQMP is the most important air management document for the basin because it provides the blueprint for meeting state and federal ambient air quality standards. The plan is prepared in coordination with SCAG, local governments and the private sector with considerable public outreach and input.

The AQMP provides considerable background information on historical air quality in the SCAB and control efforts as well as pollution sources and impacts. Existing and future air pollutant emissions inventories for the basin are presented and analyzed along with the results of modeling of the pollutant concentrations that would occur under each of the inventoried conditions. To comply with the FCAA SIP

requirements, the plan must then present control measures, along with their estimated effectiveness, to ensure that future concentrations will be less than the NAAQS by the attainment date required for each pollutant. The CCA requires the plan to show 5% annual reductions for non-attainment pollutants, or include all feasible measures and an expeditious adoption schedule.

The Plans often discuss emerging air pollution issues. For example, the most recent Plan, the 2012 AQMP, discusses the considerable hurdles that the Basin will have in achieving the revised ozone NAAQS adopted in 2008 that will need to be addressed in the next AQMP. In order to attain the eight-hour ozone NAAQS, the NO_x emissions in the Basin will need to be reduced by about 65% by 2023, and 75% by 2032 below the emission rates projected for those years that include known future reductions. As most sources will be controlled by that time, attainment of the ozone standards will require development and broad deployment of zero and near zero emission technologies for on land transportation sources. With the EPA currently considering further reductions in the ozone NAAQS, this issue will become even more serious.

The 2012 AQMP also discusses ultrafine particulates, which are particulates with a diameter of less than 0.1 μm (UFP or PM_{0.1}). Due to their small size, UFPs can penetrate deeply into the human respiratory tract, into the blood stream, and be transported to other critical organs such as the heart and brain. UFPs have been shown to be toxic and have health impacts, but are not specifically regulated. The Plan describes the results of research to characterize the physical and chemical properties of UFPs and their potential impact on people as well as the results of ambient UFP measurements in different environments. Potential control, mitigation, and policy strategies for limiting UFP exposures are discussed with recommendations for future actions to address this emerging and important topic

The AQMP is required to be updated every three years by the CCAA. It also must be updated in response to new or modified NAAQS. In recent years, updating of the AQMP has primarily been driven by new or modified NAAQS. As discussed above, the SCAB is not in attainment of the ozone and particulate NAAQS. Previously, the basin was not in attainment of the CO and NO₂ NAAQS as well. The 1997 AQMP included a demonstration of attainment of the NO₂ NAAQS as well as the Maintenance Plan required to assure continued attainment of the standard. The EPA re-designated the SCAB as attainment/maintenance for NO₂ in 1998 and approved SCAQMD's maintenance plan to ensure continued attainment of the standard. In 2005, SCAQMD submitted re-designation request and maintenance plan for the CO NAAQS separate from the AQMP process. The EPA approved the CO Re-Designation and Maintenance plan in 2007.

When the FCAA was adopted, the SCAB was designated as non-attainment for Total Suspended Particulates (TSP). Standards for both daily average and annual average concentrations were specified. Subsequent scientific data showed that the adverse health effects from exposure to particulate pollution were caused by particulates with a diameter of 10 microns (μm) or smaller, PM₁₀. In 1987, the EPA revised the particulate NAAQS to be based on PM₁₀ rather than TSP with an attainment date of December 31, 2001. The 1997 AQMP as amended in 1998 and 1999 determined that this attainment date was not feasible and requested a five-

year extension for attainment. This extension was granted in April 2003. In December 2009, the SCAQMD submitted the 2009 South Coast PM₁₀ Re-Resignation Request and Maintenance Plan to the EPA. The EPA approved the Re-designation Request and Maintenance Plan in June 2013.

By 1997, additional research into particulate matter health effects showed that particulate matter with a diameter of 2.5 µm or smaller, PM_{2.5}, had adverse health effects at concentrations lower than those allowed by the 1987 PM₁₀ standard. In 1997, the EPA revised the particulate NAAQS to specify limits for PM_{2.5} concentrations in addition to the previously adopted PM₁₀ standards. The SCAB was identified as being non-attainment for the new PM_{2.5} standards in April 2005. The required attainment date for the 1997 PM_{2.5} NAAQS was April 5, 2010. The 2007 AQMP presented the attainment plan for the 1997 PM_{2.5} NAAQS. As a part of the 2007 AQMP, SCAQMD requested an attainment extension. The attainment plan and extension were approved in November 2011 with a revised attainment date of April 5, 2015.

In 2006, the EPA lowered the daily average PM_{2.5} NAAQS from 65 µg/m³ to 35 µg/m³ due to scientific research showing adverse health effects at lower concentrations. Further, the EPA rescinded the annual average PM₁₀ NAAQS as research indicated that adverse health effects were not associated with long-term exposures to PM₁₀. The daily average PM₁₀ NAAQS was retained. The SCAB was identified as being non-attainment for the 2006 PM_{2.5} standards in November 2011. The 2012 AQMP presented the attainment plan to achieve the 2006 PM_{2.5} NAAQS by the 2014 deadline.

The pollutant that is most problematic in the SCAB is ozone. The basin has been designated as non-attainment since the adoption of the FCAA in 1971. Originally, the ozone NAAQS was in terms of the maximum one-hour average concentration. By 1997, research had indicated that a longer exposure of eight-hours was better correlated with adverse health effects than one-hour average concentrations. In response to this research, the EPA replaced the 0.12 ppm one-hour ozone NAAQS with the 0.08 ppm eight-hour ozone NAAQS. While the one-hour standard was rescinded by the EPA with the adoption of the eight-hour standard, anti-backsliding provisions in the FCAA have required the EPA to continue to apply the one-hour standard to areas that were designated as non-attainment for the one-hour standard. The SCAB was designated as non-attainment for the 1997 eight-hour ozone standard in 2004.

All of the AQMPs up to and including the 2003 AQMP addressed attainment of the one-hour ozone standards. The 2007 AQMP was prepared to address the 1997 eight-hour ozone NAAQS and demonstrate attainment of the standard by 2024 as required by the EPA. The EPA approved this plan in December 2011.

While the 2012 AQMP was prepared to primarily address the 2006 PM_{2.5} standard it also updated the eight-hour ozone control plan from the 2007 AQMP. The updated plan presented new measures designed to reduce reliance on reduction from future anticipated, but unknown, technological advances expected to reduce NO_x and VOC emissions. On September 3, 2014 (79 FR 52526) the EPA announced that it was approving the portions of the 2012 AQMP that relate to attainment of the one-hour ozone and 1997 eight-hour ozone AAQS in the SCAB. Specifically, the control

strategy for the 1997 eight-hour ozone standard and the attainment demonstration for the one-hour ozone standard were approved. EPA also found that the demonstrated attainment date for the one-hour ozone standard, December 31, 2022 to be appropriate given the severity of the problem and the limited emissions remaining that have not already been regulated. EPA has not yet approved the 2006 PM_{2.5} standard attainment demonstration from the 2012 AMP.

In 2008, the EPA lowered the eight-hour ozone standard from 0.08 ppm to 0.075 ppm. The SCAB was designated as extreme non-attainment in May 2012. EPA published proposed rules for implementation in May 2013. Under the proposed rule, the state has until 2016 to submit an attainment plan and extreme classification requires the basin to attain the standard by December 31, 2032. However, court challenges have delayed adoption of the final implementation rules. In December 2014, the EPA announced plans to further reduce the eight-hour ozone standard to between 0.065 and 0.70 ppm while seeking comment on reducing the standard to as low as 0.060 ppm.

2.6 Climate

The climate in and around the project area, as with all of Southern California, is controlled largely by the strength and position of the subtropical high-pressure cell over the Pacific Ocean. It maintains moderate temperatures and comfortable humidity, and limits precipitation to a few storms during the winter "wet" season. Temperatures are normally mild, excepting the summer months, which commonly bring substantially higher temperatures. In all portions of the basin, temperatures well above 100 degrees F. have been recorded in recent years. The annual average temperature in the basin is approximately 62 degrees Fahrenheit.

Winds in the project area are usually driven by the dominant land/sea breeze circulation system. Regional wind patterns are dominated by daytime onshore sea breezes. At night, the wind generally slows and reverses direction traveling towards the sea. Wind direction will be altered by local canyons, with wind tending to flow parallel to the canyons. During the transition period from one wind pattern to the other, the dominant wind direction rotates into the south and causes a minor wind direction maximum from the south. The frequency of calm winds (less than 2 miles per hour) is less than 10 percent. Therefore, there is little stagnation in the project vicinity, especially during busy daytime traffic hours.

Southern California frequently has temperature inversions, which inhibit the dispersion of pollutants. Inversions may be either ground based or elevated. Ground based inversions, sometimes referred to as radiation inversions, are most severe during clear, cold, early winter mornings. Under conditions of a ground-based inversion, very little mixing or turbulence occurs, and high concentrations of primary pollutants may occur local to major roadways. Elevated inversions can be generated by a variety of meteorological phenomena. Elevated inversions act as a lid or upper boundary and restrict vertical mixing. Below the elevated inversion, dispersion is not restricted. Mixing heights for elevated inversions are lower in the summer and more persistent. This low summer inversion puts a lid over the South Coast Air Basin (SCAB) and is responsible for the high levels of ozone observed during summer months in the air basin.

2.7 Monitored Air Quality

Air quality at any site is dependent on the regional air quality and local pollutant sources. Regional air quality is determined by the release of pollutants throughout the air basin. Estimates of existing emissions in the SCAB are presented in the 2012 AQMP. The data indicate that on-road (e.g.; automobiles, busses and trucks) and off-road (e.g.; trains, ships, and construction equipment) mobile sources are the major source of current emissions in the SCAB. Mobile sources account for approximately 59% of VOC emissions, 88% of NO_x emissions, 40% of direct PM_{2.5} emissions, and 75% of SO_x emissions. Area sources (e.g., architectural coatings, residential water heaters, and consumer products) account for approximately 26% of VOC emissions and 39% of direct PM_{2.5} emissions. Point sources (e.g., chemical manufacturing, petroleum production, and electric utilities) account for approximately 23% of SO_x emissions. Entrained road dust account for approximately 10% of direct PM_{2.5} emissions.

The SCAQMD has divided its jurisdiction into 38 source receptor areas (SRA) with a designated ambient air monitoring station in most areas. The project is located in the Southwest San Bernardino Valley SRA (SRA 33). The designated monitoring station for this SRA is the Ontario-Francis Street Station, which is located approximately 1.5 miles north-northeast of the site near the intersection of Francis Street and Grove Avenue. The only air pollutants measured at the Ontario-Francis Street Station is particulate matter (PM₁₀ and PM_{2.5}).

The nearest station where other pollutants are monitored is the Upland Station. This station is located approximately 6 miles north of the site near the intersection of Grove Avenue and Foothill Boulevard. The air pollutants measured at the Upland site include ozone, carbon monoxide (CO), and nitrogen dioxide (NO₂). Sulfur dioxide (SO₂) is not measured at either the Ontario-Francis Street Station or the Upland Station. Sulfur dioxide levels in the SCAB have been well below state and federal standards for many years.

The air quality data monitored at the Ontario Fire Station site from 2011 to 2014 are presented in Table 2. The data monitored for the same time period at the Upland Station are presented in Table 3. The air quality data monitored were obtained from the CARB air quality data website (www.arb.ca.gov/adam/) and the SCAQMD Historical Data website (<http://www.aqmd.gov/home/library/air-quality-data-studies/historical-data-by-year>).

Table 2
Air Quality Measured at the Ontario Francis Street Monitoring Station

Pollutant	California Standard	National Standard	Year	% Msrd. ¹	Max. Level	Days State Standard Exceeded ²	Days National Standard Exceeded ²
Respirable Particulates PM ₁₀ 24 Hour Average	50 µg/m ³	150 µg/m ³	2014	31	67.0	4/--	0/--
			2013	96	113.0	3/19	0/0
			2012	100	57.0	4/24	0/0
			2011	92	68.0	3/18	0/0
Respirable Particulates PM ₁₀ AAM ³	20 µg/m ³	None	2014	31	33.2	Yes	n/a
			2013	96	33.9	Yes	n/a
			2012	100	30.9	Yes	n/a
			2011	92	33.9	Yes	n/a
Fine Particulates PM _{2.5} 24 Hour Average	None	35 µg/m ³	2014	47	38.4	n/a	1/--
			2013	87	49.3	n/a	1/--
			2012	97	35.2	n/a	0/0
			2011	96	52.9	n/a	2/6.8
Fine Particulates PM _{2.5} AAM ³	12 µg/m ³	15 µg/m ³	2014	47	--	--	--
			2013	87	--	--	--
			2012	97	12.4	No	No
			2011	96	13.2	Yes	No

1. Percent of year where high pollutant levels were expected that measurements were made.
2. For annual averaging times a yes or no response is given if the annual average concentration exceeded the applicable standard. For the PM₁₀ and PM_{2.5} 24-hour standards, daily monitoring is not performed. The first number shown in Days State Standard Exceeded column is the actual number of days measured that State standard was exceeded. The second number shows the number of days the standard would be expected to be exceeded if measurements were taken every day.
3. Annual Arithmetic Mean

-- Data Not Reported, n/a – no applicable standard

Sources: CARB Air Quality Data Statistics web site www.arb.ca.gov/adam/ accessed 1/7/16
 SCAQMD Historical Data Website <http://www.aqmd.gov/home/library/air-quality-data-studies/historical-data-by-year> accessed 1/7/16

Table 3
Air Quality Measured at the Upland Monitoring Station

Pollutant	California Standard	National Standard	Year	% Msrd. ¹	Max. Level	Days State Standard Exceeded ²	Days National Standard Exceeded ²
Ozone 1 Hour Average	0.09 ppm	None	2014	91	0.126	34	n/a
			2013	96	0.143	25	n/a
			2012	72	0.136	42	n/a
			2011	97	0.143	36	n/a
Ozone 8 Hour Average	0.070 ppm	0.075 ppm	2014	85	0.101	60	42
			2013	90	0.112	44	27
			2012	69	0.112	66	45
			2011	93	0.122	45	36
CO 8 Hour Average	9.0 ppm	9 ppm	2014	99	1.2	0	0
			2013	93	1.7	0	0
			2012	99	1.1	0	0
			2011	98	1.3	0	0
NO ₂ 1 Hour Average	0.25 ppm	0.10 ppm	2014	89	0.074	0	0
			2013	73	0.062	0	0
			2012	86	0.067	0	0
			2011	84	0.069	0	0
NO ₂ AAM ³	None	0.053 ppm	2014	89	0.016	n/a	No
			2013	73	0.019	n/a	No
			2012	86	0.020	n/a	No
			2011	84	0.020	n/a	No

1. Percent of year where high pollutant levels were expected that measurements were made.
 2. For annual averaging times a yes or no response is given if the annual average concentration exceeded the applicable standard. For the PM₁₀ and PM_{2.5} 24-hour standards, daily monitoring is not performed. The first number shown in Days State Standard Exceeded column is the actual number of days measured that State standard was exceeded. The second number shows the number of days the standard would be expected to be exceeded if measurements were taken every day.
 3. Annual Arithmetic Mean
- Data Not Reported, n/a – no applicable standard
- Sources: CARB Air Quality Data Statistics web site www.arb.ca.gov/adam/ accessed 1/7/16
 SCAQMD Historical Data Website <http://www.aqmd.gov/smog/historicaldata.htm> accessed 1/7/16

The monitoring data presented in Tables 2 and 3 show that the only air quality standards exceeded in the project area in the past four years are particulates and ozone. Table 3 shows that the state 1 hour ozone standard has been exceeded between 25 and 42 days each of the past four years at the Upland Monitoring Station. The state 8-hour ozone standard has been exceeded between 44 and 66 days each of the past four years while the federal 8-hour ozone standard has been exceeded between 27 and 42 days each year.

Table 2 shows that the federal 24-hour PM₁₀ standard was not exceeded in the previous four years. However, the state standard has been exceeded between 18 and 24 days each year. Further, the state annual average PM₁₀ standard has been exceeded the previous four years.

Table 2 shows that the federal 24-hour PM_{2.5} standard was exceeded between 0 and 7 days each of the past four years. The state annual average PM_{2.5} standard was exceeded in 2011 but not in 2012. The federal annual average PM_{2.5} standard was not exceeded in either of those years. There is insufficient data for CARB to provide annual average PM_{2.5} concentrations for 2013 and 2014.

The data does not show any trend in particulate and ozone concentrations and number of days of exceedances. One would expect a downward trend as emissions have been trending downward. This variation is partially due to the fact all ozone and a substantial portion of PM_{2.5} are not directly emitted but formed in the atmosphere as other pollutants combine. The rate of formation is very dependent on weather conditions. During years with the highest concentrations, weather conditions favorable to the formation of ozone and particulate matter occurred concurrently with high emissions of precursor pollutants. The eight-hour ozone and annual particulate matter concentrations reflect the general downward trend as these values are not as affected by short-term weather patterns.

The monitored data in Tables 2 and 3 show that other than ozone, PM₁₀, and PM_{2.5} exceedances as mentioned above, no State or Federal standards were exceeded for the remaining criteria pollutants in the project area.

3.0 Potential Air Quality Impacts

Air quality impacts are usually divided into short term and long term. Short-term impacts are usually the result of construction or grading operations. Long-term impacts are associated with the built out condition of the proposed project.

3.1 Thresholds of Significance

3.1.1 Regional Air Quality

In their "1993 CEQA Air Quality Handbook", the SCAQMD has established significance thresholds to assess the impact of project related air pollutant emissions. Table 3 presents these significance thresholds. There are separate thresholds for short-term construction and long-term operational emissions. A project with daily emission rates below these thresholds are considered to have a less than significant effect on regional air quality. It should be noted the thresholds recommended by the SCAQMD are very low and subject to controversy. It is up to the individual lead agencies to determine if the SCAQMD thresholds are appropriate for their projects.

Table 3
SCAQMD Regional Pollutant Emission Thresholds of Significance

	Regional Significance Threshold (lbs/day)					
	CO	VOC	NO _x	PM ₁₀	PM _{2.5}	SO _x
Construction	550	75	100	150	55	150
Operation	550	55	55	150	55	150

3.1.2 Local Air Quality

As part of the SCAQMD's environmental justice program, attention was focused on localized effects of air quality. In accordance with Governing Board direction, SCAQMD staff developed localized significance threshold (LST) methodology and mass rate look-up tables by source receptor area (SRA) that can be used to determine whether or not a project may generate significant adverse localized air quality impacts. The LST's represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard, and are developed based on the ambient concentrations of that pollutant for each source receptor area. The LST methodology is described in "Final Localized Significance Threshold Methodology" dated June 2003 by the SCAQMD and is available at the SCAQMD website (<http://aqmd.gov/ceqa/handbook/LST/LST.html>).

The LST mass rate look-up tables provided by the SCAQMD allow one to determine if the daily emissions for proposed construction or operational activities could result in significant localized air quality impacts. If the calculated on-site emissions for the proposed construction or operational activities are below the LST emission levels found on the LST mass rate look-up table, then the proposed construction or operation activity will not result in a significant impact on local air quality.

The LST mass rate look-up tables are applicable to the following pollutants only: oxides of nitrogen (NO_x), carbon monoxide (CO), respirable particulate matter (PM₁₀), and fine particulate matter (PM_{2.5}). LST's are derived based on the location of the activity (i.e., the source/receptor area); the emission rates of NO_x, CO, PM₁₀, and PM_{2.5}; and the distance to the nearest exposed individual. This distance is based upon the uses around the project and the Ambient Air Quality Standard (AAQS) averaging times for the pollutants of concern. The shortest AAQS averaging time for CO and NO₂ are for one-hour and the nearest exposed individual is the location where a person could be expected to remain for 1-hour. The shortest averaging time for the PM₁₀ and PM_{2.5} AAQS is 24 hours and the nearest exposed individual is the location where a person could be expected to remain for 24-hours. Typically, this is the nearest residential use.

The LST methodology presents mass emission rates for each SRA, project sizes of 1, 2, and 5 acres, and nearest receptor distances of 25, 50, 100, 200, and 500 meters. For project sizes between the values given, or with receptors at distances between the given distances, the methodology uses linear interpolation to determine the thresholds. If receptors are within 25 meters of the site, the methodology document says that the threshold for the 25-meter distance should be used.

The project is located in SRA 33. The closest sensitive receptors are the residential uses located north of Riverside Drive, which are located approximately 80 feet from the project site. Therefore, the thresholds were calculated based on an observer distance of 82 feet (25 meters). The project site is approximately 199 acres. When the Project site is larger than 5-acres, the largest project size for which screening tables are provided, the thresholds for a 5-acre project site can be used as a screening threshold. If the emissions from a project with a larger site are less than the allowable emissions for a 5-acre project site, then the larger project site will not result in a significant localized air quality impact.

The LST thresholds specific for the proposed project are presented in Table 4. A project with on-site daily emission rates below these thresholds is considered to have a less than significant effect on local air quality.

Table 4
Localized Significance Thresholds

	Localized Significance Threshold (lbs/day)			
	CO	NO _x	PM ₁₀	PM _{2.5}
Construction	2,193.0	270.0	40.0	11.1
Operation	2,193.0	270.0	9.7	2.7

In addition, the project would result in a local air quality impact if the project results in increased traffic volumes and/or decreases in Level of Service (LOS) that would result in an exceedance of the CO ambient air quality standards of 20 ppm for 1-hour Carbon Monoxide (CO) concentration levels, and 9 ppm for 8-hour CO concentration levels. If the CO concentration levels at potentially impacted intersections with the project are lower the standards, then there is no significant

impact. If future CO concentrations with the project are above these levels, then the project will have a significant local air quality impact.

3.2 Short-Term Impacts

Temporary impacts will result from project construction activities. Air pollutants will be emitted by construction equipment and fugitive dust will be generated during demolition of the existing improvements as well as during grading of the site.

3.2.1 Construction Emission Calculation Methodology

Emissions during the primary phases of construction were calculated using CalEEMod (version 2013.1.2). A description of the general construction activities and the equipment expected to be used for these activities was provided by the project applicant and are described below.

The CalEEMod model calculates total emissions resulting from each construction activity, on-site and off-site, which are compared to the SCAQMD Regional Thresholds presented in Table 3. On-site project emissions, which are compared to the SCAQMD Local Significance Thresholds presented in Table 4, were calculated by scaling the emissions from on-road sources so that only the emissions from on-site portion of the trip are included. Each worker, material removal or delivery trip was assumed to have a 0.25-mile component within the project site.

The Project Applicant provided specific information used to estimate construction related air pollutant emissions. Construction is anticipated to start in 2017. Demolition of existing structures is anticipated to take approximately four months to complete. Approximately 25,916 square feet of structures, dairy facilities and single-family residences, will be demolished and removed from the site. Site preparation is anticipated to take approximately two months to complete and begin three months after commencement of demolition. Grading is anticipated to begin five months after demolition begins and take approximately 13 months to complete. Grading will be balanced and there will be no soil import or export required. Installation of wet utilities is anticipated to begin one year after demolition begins and take approximately nine months to complete. Paving of roadways within the project is anticipated to begin 16 months after demolition begins and take approximately seven months to complete. Construction of buildings is anticipated to begin approximately 20 months after demolition begins and take approximately three years to complete. Architectural coating (i.e., painting) is anticipated to begin in 2018 and continue until construction ends.

The specific inputs used to estimate construction emissions are presented in the appendix. The CalEEMod input and output files used for the modeling are available upon request.

Note that delays in the start of construction would not significantly affect emission estimates. In fact, the CalEEMod program includes a reduction in on-road and off-road vehicle exhaust emissions each year to account for new construction equipment and on-road vehicles manufactured under stricter emission standards becoming a larger part of the construction fleet (a fleet average emission factor is used to estimate emissions). For emissions modeling purposes, a delay moving the activity into the following year would actually result in a slight reduction in the

exhaust emissions estimates. Lengthening the duration of each activity would result in the same or lower daily emissions as daily activity levels for emission sources would either not change or decrease as the work is spread out over a longer period of time. A shortening of any of the construction activities assumed could result in higher emissions and would require a re-analysis of the emission impacts.

3.2.2 Regional Construction Emissions

Using the estimates presented above, the air pollutant emissions were calculated and presented in Table 4. The daily emissions are calculated and these represent the highest level of emissions during each construction activity. Daily Emissions that exceed the Significance Thresholds are shown in *bold-italics*.

Table 4
Total Construction Emissions by Activity

Activity	Daily Emissions (lbs/day)					
	CO	NO _x	VOC	PM ₁₀	PM _{2.5}	SO _x
Demolition	35.1	43.1	4.1	2.6	2.1	0.0
Site Preparation	40.5	51.8	4.9	21.0	12.5	0.0
Grading (2017)	115.7	174.6	15.2	28.5	15.0	0.2
Grading (2018)	103.3	149.7	13.3	27.3	13.9	0.2
Wet Utilities	13.4	13.8	1.4	1.0	0.9	0.0
Paving	15.3	17.2	1.8	1.1	0.9	0.0
Painting (2018)	7.5	2.5	22.0	1.3	0.5	0.0
Painting (2019)	7.0	2.3	22.0	1.3	0.4	0.0
Painting (2020)	6.6	2.1	21.9	1.2	0.4	0.0
Painting (2021)	6.3	1.9	21.9	1.2	0.4	0.0
Bldg. Const. (2018)	60.3	37.9	5.6	8.4	3.4	0.1
Bldg. Const. (2019)	56.9	34.3	5.0	8.2	3.2	0.1
Bldg. Const. (2020)	54.2	30.8	4.6	8.0	3.0	0.1
Bldg. Const. (2021)	52.3	27.5	4.3	7.8	2.9	0.1
Significance Threshold	550	100	75	150	55	150
Exceed Threshold?	No	Yes	No	No	No	No

Table 4 shows that NO_x emissions during grading will exceed the 100 lbs/day significance threshold. Other than this, no other individual construction activity will generate emissions that exceed the SCAQMD Regional Emissions Significance Thresholds. In 2017, Demolition and Site Preparation will occur concurrently. In 2018 Grading, Wet Utilities, and Paving will occur concurrently as will Paving, Painting, and Building Construction. In 2019, 2020, and 2021, Painting and Building Construction will occur concurrently. Table 5 presents the total emissions during these concurrent construction activities. These are simply the sum of the

emissions presented in Table 4 for the concurrent activities. Daily Emissions that exceed the Significance Thresholds are shown in *bold-italics*.

Table 5
Total Concurrent Construction Emissions

Activity	Daily Emissions (lbs/day)					
	CO	NO _x	VOC	PM ₁₀	PM _{2.5}	SO _x
Demolition & Site Preparation	75.6	95.0	9.0	23.6	14.6	0.1
Grading (2018), Wet Utility, & Paving	132.0	180.7	16.4	29.4	15.6	0.2
Paving, Painting (2018), Bldg. Const. (2018)	83.2	57.5	29.4	10.8	4.8	0.2
Painting (2019), Bldg. Const. (2019)	63.8	36.6	27.0	9.4	3.6	0.1
Painting (2020), Bldg. Const. (2020)	60.8	32.9	26.5	9.2	3.4	0.1
Painting (2021), Bldg. Const. (2021)	58.6	29.4	26.2	9.0	3.3	0.2
Significance Threshold	550	100	75	150	55	150
Exceed Threshold?	No	Yes	No	No	No	No

Table 5 shows NO_x emissions during Grading, Wet Utility and Paving will exceed the 100 lbs/day significance threshold. Other than this, no other concurrent construction activities will generate emissions that exceed the SCAQMD Regional Emissions Significance Thresholds. NO_x emissions during Grading by itself and when it occurs concurrently with Wet Utility and Paving will result in a significant air quality impact without mitigation. Mitigation of short-term impacts is discussed in Section 4.1.

3.2.3 On-site Construction Emissions

On-site emissions for each of the construction activities were calculated based on the CalEEMod output as discussed in Section 3.2.1 and are presented in Table 6. The applicable LST thresholds are also presented.

**Table 6
On-Site Emissions By Construction Activity**

Activity	Daily Emissions (lbs/day)			
	CO	NO _x	PM ₁₀	PM _{2.5}
Demolition	33.9	42.7	2.4	2.0
Site Preparation	39.4	51.8	20.8	12.5
Grading (2017)	113.0	174.4	28.1	14.9
Grading (2018)	100.9	149.5	26.8	13.7
Wet Utilities	12.7	13.7	0.9	0.8
Paving	14.5	17.2	0.9	0.9
Painting (2018)	1.9	2.0	0.2	0.2
Painting (2019)	1.8	1.8	0.1	0.1
Painting (2020)	1.8	1.7	0.1	0.1
Painting (2021)	1.8	1.5	0.1	0.1
Bldg. Const. (2018)	17.5	23.3	1.5	1.4
Bldg. Const. (2019)	17.1	21.0	1.3	1.2
Bldg. Const. (2020)	16.8	19.1	1.1	1.0
Bldg. Const. (2021)	16.5	17.3	1.0	0.9
Significance Threshold	2,193.0	270.0	40.0	11.1
Exceed Threshold?	No	No	No	Yes

Table 6 shows that site preparation and grading are projected to exceed the significance threshold for PM_{2.5} emissions. Other than this, no individual construction activity will generate emissions that exceed the SCAQMD Localized Significance Thresholds. In 2017, Demolition and Site Preparation will occur concurrently. In 2018 Grading, Wet Utilities, and Paving will occur concurrently as will Paving, Painting, and Building Construction. In 2019, 2020, and 2021, Painting and Building Construction will occur concurrently. Table 7 presents the total emissions during these concurrent construction activities. These are simply the sum of the emissions presented in Table 6 for the concurrent activities. Daily emissions that exceed the Significance Thresholds are shown in ***bold-italics***.

Table 7
On-Site Emissions By Concurrent Construction Activities

Activity	Daily Emissions (lbs/day)			
	CO	NO _x	PM ₁₀	PM _{2.5}
Demolition & Site Preparation	73.3	94.5	23.2	14.5
Grading (2018), Wet Utility, & Paving	128.1	180.3	28.6	15.4
Paving, Painting (2018), Bldg. Const. (2018)	33.9	42.4	2.6	2.4
Painting (2019), Bldg. Const. (2019)	19.0	22.8	1.4	1.3
Painting (2020), Bldg. Const. (2020)	18.6	20.8	1.2	1.2
Painting (2021), Bldg. Const. (2021)	18.4	18.9	1.0	1.0
Significance Threshold	2,193.0	270.0	40.0	11.1
Exceed Threshold?	No	No	No	Yes

Table 7 shows that concurrent Demolition and Site Preparation as well as concurrent Grading, Wet Utility and Building Construction will generate PM_{2.5} emission greater than the Localized significance threshold. Other than this, no concurrent construction activity will generate emissions that exceed the SCAQMD Localized Significance Thresholds. PM_{2.5} emissions during concurrent Demolition and Site Preparation as well as concurrent Grading, Wet Utilities and Paving will result in a significant air quality impact without mitigation. Mitigation of short-term impacts is discussed in Section 4.1.

3.2.4 Diesel Particulate Matter Emissions During Construction

In 1998, the California Air Resources Board (ARB) identified particulate matter from diesel-fueled engines (Diesel Particulate Matter or DPM) as a Toxic Air Contaminant (TAC). It is assumed that the majority of the heavy construction equipment utilized during construction would be diesel fueled and emit DPM. Impacts from toxic substances are related to cumulative exposure and are assessed over a 70-year period. Cancer risk is expressed as the maximum number of new cases of cancer projected to occur in a population of one million people due to exposure to the cancer-causing substance over a 70-year lifetime (California Environmental Protection Agency, Office of Environmental Health Hazard Assessment, Guide to Health Risk Assessment.) Demolition and grading for the project, when the peak diesel exhaust emissions would occur, is expected to take approximately 18 months, cumulatively, with all construction expected to take approximately five years. Because of the relatively short duration of construction compared to a 70-

year lifespan, diesel emissions resulting from the construction of the project are not expected to result in a significant impact.

3.3 Long Term Impacts

The primary source of long-term operational air pollutant emissions associated with the project will be motor vehicles. Long-term operational emissions from the project also include combustion of natural gas for water and space heating, landscape maintenance equipment and maintenance painting.

Total emissions from the project for the opening year of the project were calculated using the methodology presented in Section 3.3.1 and are presented in Section 3.3.2. These emissions are compared to the SCAQMD Regional emission factors presented in Section 3.1.1. Total on-site emissions from the project were calculated using the methodology presented in Section 3.3.1 and are presented in Section 3.3.3. These emissions are compared to the Local Significance Thresholds (LST) presented in Section 3.1.2. Traffic generated by the project has the potential to affect air pollutant concentrations at intersections in the vicinity of the project. These impacts are examined in Section 3.3.4.

3.3.1 Project Emissions Calculation Methodology

Air pollutant emissions due to the project were calculated using the CalEEMod Program. The CalEEMod model calculates total daily emissions resulting from six operational emission sources; (1) motor vehicle travel, (2) natural gas combustion for space and water heating, (3) fireplaces, (4) landscaping equipment, (5) VOC emissions from the use of consumer products, and (6) VOC emissions from repainting of structures. The model reports total on-site and off-site emissions, which are compared to the SCAQMD Regional Thresholds presented in Table 3. On-site project emissions were calculated by scaling the emissions from on-road sources so that only the emissions from on-site portion of the trip are included. Each trip was assumed to have a 0.5-mile component within the project site. On-site project emissions are compared to the SCAQMD Local Significance Thresholds presented in Table 4.

To determine the highest daily emissions with the project, the CalEEMod program was run twice to calculate emissions from the development of (1) 994 single-family residences on 198.8 acre site, and (2) 944 single family residences on a 188.8 acre site and a 1,000 student elementary school on a 10 acre site. Default CalEEMod factors were used for the calculations except the school use trip generation rate. The trip generation rate for the school of 516 daily trips during the weekdays was provided by the traffic engineer for the project and was used for the modeling. The default CalEEMod trip generation rate for single-family homes was the same as used by the traffic analysis. The emissions were calculated for the full buildout of the project. Vehicular emissions are projected to decrease in future years (as projected by EMFAC2007). Therefore, emissions during the first full year of operation are the highest emissions from the project during its lifespan. CalEEMod calculates daily emissions for the summertime and wintertime periods. The results presented below are the highest daily emissions for either season.

The CalEEMod output files are large and are not included in the appendix. The CalEEMod input and output files are available upon request.

3.3.2 Regional Project Emission

Table 8 presents the results of the CalEEMod model showing the maximum daily air pollutant emissions projected for the buildout year of the project. As discussed above, emissions were modeled with and without the elementary school that may be built instead of 50 of the residential units. The residential only project resulted in slightly higher CO, NO_x, and PM_{2.5} emissions, while the project with the school resulted in slightly higher VOC emissions. Total emissions of PM₁₀ and SO_x were the same for both scenarios. The differences in emissions between the two scenarios are less than 1% of the total emissions except for VOC emissions, which differ by 2.4%. VOC emissions with the school are higher because the CalEEMod assumes more repainting with the school than with the 50 homes that it would replace. Table 8 presents highest level of emissions from either Project scenario.

**Table 8
Total Emissions With Project**

Source	Daily Emissions (lbs/day)					
	CO	VOC	NO _x	PM ₁₀	PM _{2.5}	SO _x
Vehicular Emissions	321.1	27.6	70.1	74.1	20.8	1.12
Natural Gas Combustion	3.2	0.9	7.5	0.6	0.6	0.05
Fireplace	0.1	1.8	0.0	1.3	1.3	0.00
Landscaping	82.0	2.4	0.9	0.5	0.5	0.00
Consumer Products	0.0	41.3	0.0	0.0	0.0	0.00
Architectural Coatings	0.0	6.1	0.0	0.0	0.0	0.00
Total Emissions	406.4	80.1	78.5	76.7	23.2	1.2
Significance Threshold	550	55	55	150	55	150
Exceed Threshold?	No	Yes	Yes	No	No	No

Table 8 shows that VOC and NO_x emissions from the project will be greater than the SCAQMD regional significance thresholds. Without mitigation, the project will result in a significant regional air quality impact. Mitigation of operational impacts is discussed in Section 4.2.

3.3.3 On-Site Project Emissions

Based on the assumptions described above, the on-site emissions during the buildout year of the project were calculated and are presented in Table 9. The residential project without the school resulted in slightly higher emissions of all pollutants emitted on site. The difference in CO emissions is due to higher landscaping emissions for residential uses compared to a school. The difference in NO_x emissions is primarily due to slightly higher natural gas combustion emissions and the difference in particulate emissions is due to the elimination of fireplace emissions with the school. Table 9 presents highest level of emissions from either Project scenario.

**Table 9
On-Site Project Emissions**

Source	Daily Emissions (lbs/day)			
	CO	NO _x	PM ₁₀	PM _{2.5}
Vehicular Emissions	17.1	3.7	4.0	1.1
Natural Gas Combustion	3.2	7.5	0.6	0.6
Fireplace	0.1	0.0	1.3	1.3
Landscaping	82.0	0.9	0.5	0.5
Consumer Products	0.0	0.0	0.0	0.0
Architectural Coatings	0.0	0.0	0.0	0.0
Total Emissions	102.4	12.1	6.3	3.5
Significance Threshold	2,193.0	270.0	9.7	2.7
Exceed Threshold?	No	No	No	Yes

Table 9 shows that the on-site emissions of PM_{2.5} are projected to exceed the Localized Significance Thresholds. The particulate threshold values are based on the quantity of project generated emissions from a 5-acre project site that would result in particulate concentration (PM₁₀ or PM_{2.5}) to exceed 2.5 µg/m³ at a receptor located 25 meters from the site. Five acres is the largest project site for which the SCAQMD's published Localized Significance Threshold methodology provides emissions lookup values. The proposed project is 199 acres, just less than 40 times larger than the 5-acre site that the thresholds are based on. Because the emission will be spread over an area nearly 40 times larger, concentrations around the project will be much lower than if they were contained in a 5-acre project area.

To demonstrate that the concentrations will be less than the 2.5 µg/m³ significance threshold, dispersion modeling was performed. A dispersion model takes the total pollutant emissions along with source/receptor/site geometry and weather conditions and determines the pollutant concentrations at the sensitive receptors. Because 24-hour concentrations of both PM_{2.5} and PM₁₀ are proportional to the amount of daily emissions, showing that the pollutant with the higher emissions will result in concentrations less than the standard will demonstrate that concentrations from both pollutants will be less than the significance threshold. Therefore, by demonstrating that the PM₁₀ emission will not result in a concentration greater than the 2.5 µg/m³ significance threshold also demonstrates that PM_{2.5} will not exceed the threshold.

The U.S. Environmental Protection Agency's required regulatory pollutant dispersion model *American Meteorological Society/Environmental Project Agency Regulatory Model* (AERMOD) was used to estimate pollutant concentrations at sensitive receptors in the vicinity of the project. Specifically, the AERMOD release 14134 released on June 25, 2014 was used. ISC-AERMOD View by Lakes Environmental was used to generate the input file for AERMOD. The model was set to calculate 24-hour average PM₁₀ concentrations.

Weather data prepared by the South Coast Air Quality Management District specifically for the AERMOD model was used for the dispersion modeling (<http://www.aqmd.gov/home/library/air-quality-data-studies/meteorological-data/data-for-aermod>). This data file represents actual measured weather conditions at the Upland Location for the years 2008 through 2012.

Project PM₁₀ emissions were modeled as 80 conjoined 100 meter by 100 meter volume sources with a 5 meter release height. PM₁₀ emissions were assumed to occur at a constant rate over the day and each volume source was set to emit 0.00331 lbs/hour. Receptors were modeled in a 20 meter by 20 meter grid from the edge of the roadways opposite the project to 200 meters away from the project. The summary AERMOD output file is presented in the Appendix. The full AERMOD input and output files are available upon request.

The results of the modeling show that the maximum off-site PM₁₀ concentration from on-site PM₁₀ emissions will be 0.63 µg/m³. The PM_{2.5} concentration can be determined multiplying this result by the ratio of on-site PM_{2.5} emissions to PM₁₀ emissions (0.549). The maximum off-site PM_{2.5} concentration from on-site PM_{2.5} emissions will be 0.35 µg/m³. The modeled off-site PM₁₀ and PM_{2.5} concentrations from on-site project emissions will be less than 2.5 µg/m³, which is the concentration used to establish the localized significance thresholds. On-site emissions from the Project will not result in considerable increases in PM₁₀ or PM_{2.5} concentrations for any off-site receptors. Therefore, operation of the Project will not result in a significant localized air quality impact.

3.3.4 Local Air Quality Impacts Near Intersections Affected by Traffic Generated by the Project

Increased traffic volumes due to the project result in increased pollutant emissions in the vicinity of the roads utilized by this traffic, which can cause pollutant levels to exceed the ambient air quality standards. Carbon monoxide (CO) and particulates (PM₁₀ and PM_{2.5}) are the pollutants of major concern along roadways.

The most notable source of CO is motor vehicles. For this reason, carbon monoxide concentrations are usually indicative of the local air quality generated by a roadway network, and are used as an indicator of its impacts on local air quality. CO concentrations are highest near intersections where queuing increases emissions. Local air quality impacts can be assessed by comparing future carbon monoxide levels with State and Federal carbon monoxide standards moreover by comparing future CO concentrations with and without the project. The Federal and State standards for carbon monoxide were presented earlier in Table 2.

CO modeling was performed for the 2003 AQMP to demonstrate attainment of the federal CO standards in the South Coast Air Basin (SCAB). Modeling was performed for four intersections considered the worst-case intersections in the SCAB. These intersections included; Wilshire at Veteran, Sunset at Highland, La Cienega at Century, and Long Beach at Imperial. Table 4-10 of Appendix V of the AQMP shows that modeled 1-hour average concentrations at these four intersections for 2002 conditions are below the 8-hour standard of 9 ppm. The highest modeled 1-hour average concentration of 4.6 ppm occurred at the Wilshire and Veteran intersection. Generally, only intersections operating at LOS of E or worse are considered to have

the potential to cause CO concentrations to exceed the state ambient air quality standards of 20 ppm for a 1-hour averaging time and 9 ppm for an 8-hour averaging time.

The traffic study prepared for the project shows that there are nine intersections projected to operate at LOS E or worse; (1) Archibald Avenue at SR-60 eastbound on-ramp, (2) Euclid Avenue at Riverside Drive, (3) Grove Avenue at Riverside Drive, (4) Vineyard Avenue at Riverside Drive, (5) Archibald Avenue at Riverside Drive, (6) Haven Avenue at Riverside Drive, (7) Grove Avenue at Chino Avenue, (8) Vineyard Avenue at Chino Avenue, and (8) Carpenter Avenue at Riverside Drive (Intersections 12, 13, 15, 16, 17, 19, 20, 21, and A1 in the traffic study). Peak hour traffic volumes at these intersections in 2021 with the project were compared with the traffic volumes from the intersections analyzed in the CO attainment demonstration discussed above. Peak hour traffic volumes at all of these intersections are less than the intersections analyzed in the CO attainment demonstration. Because of this, CO concentrations at the intersections shown to operate at LOS E or worse will be less than the CO concentrations at the intersections analyzed in the CO Attainment Plan. Therefore, the project would not cause any new exceedances or worsen any exceedances of the CO ambient air quality standards. Therefore, the project will not significantly impact air quality adjacent to intersections serving traffic from the project.

Roads with substantial diesel truck volumes have the potential to result in particulate hot spots. The FHWA has published guidance on performing a qualitative analysis of particulate hot spots and established a screening threshold for potential impacts. The FHWA guidance considers a road with an average daily diesel truck volume of 10,000 or less does not have the potential to result in a particulate hot-spot.

The only roadway in the project study area with an average daily diesel truck volume greater than 10,000 is SR-60. Current Caltrans data shows that there are approximately 18,000 daily diesel trucks on SR-60 through the project area. While a fair amount of project generated traffic will utilize the freeway, only a small fraction of the vehicles associated with the project would be diesel fueled, and an even smaller fraction, approaching zero on an average day, would be diesel fueled heavy trucks. Even if there were particulate hotspots along SR-60 where the particulate ambient air quality standards are exceeded, the project would not considerably contribute to the emissions causing the exceedance. Therefore, the project will not result in a significant impact due to particulate hotspots.

3.4 Compliance with Air Quality Planning

The following sections deal with the major air planning requirements for this project. Specifically, consistency of the project with the AQMP is addressed. As discussed below, consistency with the AQMP is a requirement of the California Environmental Quality Act (CEQA).

3.4.1 Consistency with AQMP

An EIR must discuss any inconsistencies between the proposed project and applicable GPs and regional plans (California Environmental Quality Act (CEQA) guidelines (Section 15125)). Regional plans that apply to the proposed project include the South Coast Air Quality Management Plan (AQMP). In this regard, this section will discuss any inconsistencies between the proposed project with the AQMP.

The purpose of the consistency discussion is to set forth the issues regarding consistency with the assumptions and objectives of the AQMP and discuss whether the project would interfere with the region's ability to comply with Federal and State air quality standards. If the decision-maker determines that the project is inconsistent, the lead agency may consider project modifications or inclusion of mitigation to eliminate the inconsistency.

The SCAQMD's CEQA Handbook states that "New or amended GP Elements (including land use zoning and density amendments), Specific Plans, and significant projects must be analyzed for consistency with the AQMP." Strict consistency with all aspects of the plan is usually not required. A proposed project should be considered consistent with the plan if it furthers one or more policies and does not obstruct other policies. The Handbook identifies two key indicators of consistency:

- (1) Whether the project will result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay timely attainment of air quality standards or the interim emission reductions specified in the AQMP (except as provided for CO in Section 9.4 for relocating CO hot spots).
- (2) Whether the project will exceed the assumptions in the AQMP based on the year of project buildout and phase.

Both of these criteria are evaluated in the following sections.

Criterion 1 - Increase in the Frequency or Severity of Violations?

With the mitigation specified in Section 4.1 short-term construction emissions will be reduced to less than the SCAQMD regional and localized significance thresholds and will not result in a significant impact. As discussed in Section 3.3.3, on-site emissions generated during operation of the Project will not exceed SCAQMD's LST criteria, and therefore, it is unlikely that development of the project will increase the frequency or severity of existing air quality violations in the immediate vicinity of the project. Further, the project is not projected to result in any exceedances due to traffic volume increases at intersections and on roadways serving traffic from the Project.

As discussed in Section 3.3.2, total VOC and NO_x emissions due to operation of the Project are projected to exceed the SCAQMD regional significance thresholds. As discussed in Section 4.2, there is no feasible mitigation to reduce these emissions to less than the thresholds. The primary impact of VOC and NO_x emissions is their contribution to ozone formation. As these pollutants react in the presence of sunlight they form ozone. Emissions from the entire SCAB contribute to ozone formation. The high ozone concentrations in the project area discussed in Section 2.7 are caused by VOC and NO_x emissions from sources located closer to the coast. Emissions from the project site would contribute to ozone concentrations inland areas further downwind from the Project. Based on the 2030 emissions estimate from the 2012 AQMP, the Project's VOC and NO_x emission would represent 0.010% and 0.014% of the total emissions in the SCAB. This small increase in emissions would not be expected to result in a considerable increase in downwind ozone concentrations. Therefore, the proposed project is not projected to considerably contribute to the exceedance of any air pollutant concentration standards, thus the project is found to be consistent with the AQMP for the first criterion.

Criterion 2 - Exceed Assumptions in the AQMP?

Consistency with the AQMP assumptions is determined by performing an analysis of the project with the assumptions in the AQMP. Thus, the emphasis of this criterion is to insure that the analyses conducted for the project are based on the same forecasts as the AQMP. The Regional Comprehensive Plan and Guide (RCP&G) consists of three sections: Core Chapters, Ancillary Chapters, and Bridge Chapters. The Growth Management, Regional Mobility, Air Quality, Water Quality, and Hazardous Waste Management chapters constitute the Core Chapters of the document. These chapters currently respond directly to federal and state requirements placed on SCAG. Local governments are required to use these as the basis of their plans for purposes of consistency with applicable regional plans under CEQA.

Since the SCAG forecasts are not detailed, the test for consistency of this project is not specific. The SCAG forecasts are based on the General Plans of municipalities in the basin. The current General Plan designation for the project site is Low Density Residential (2.1 to 5.0 dwelling units per acre). The Project proposes developing the site within the development limits specified by the Low Density Residential Use. Therefore, the project is consistent with the current General Plan. Therefore, emissions from the project site at project completion will not be greater than those anticipated in the AQMP.

4.0 Mitigation Measures

4.1 Short-Term Impacts

The analysis presented in Section 3.2 concluded that without mitigation Grading when occurring independently or concurrently with Wet Utilities and Paving will generate NO_x emissions greater than the SCAQMD Regional Significance Thresholds. Further, the analysis showed that PM_{2.5} emissions during demolition and site preparation as well as concurrent Grading, Wet Utilities, and Paving would exceed the Localized Significance Thresholds.

The following two mitigation measures address these potentially significant impacts. As shown below, construction emissions will be less than the significance thresholds with the implementation of these mitigation measures and will not result in a significant air quality impact.

Mitigation Measure AQ-1: Utilize Tier III Certified Large Equipment. During construction, all heavy equipment with an engine rating of 125 horsepower or greater shall be compliant with CARB/EPA Tier III emissions standards. Requiring large equipment used during construction to comply with Tier III emissions standards will reduce NO_x emissions to less than the significance threshold.

Mitigation Measure AQ-2: Comply with SCAQMD Rule 403. SCAQMD's Rule 403 addresses fugitive dust emissions during construction activities. Table 1 of the Rule specifies Best Available Control Measures that must be implemented where applicable. This includes adequate watering of the site to reduce fugitive dust emission. Implementation of these measures will reduce fugitive dust emissions during grading to less than the significance threshold.

The total air pollutant emissions during construction with the mitigation measures specified above were calculated and are presented in Table 10. The daily emissions are calculated and these represent the highest level of emissions during each construction activity.

Table 10
Total Mitigated Construction Emissions by Activity

Activity	Daily Emissions (lbs/day)					
	CO	NO _x	VOC	PM ₁₀	PM _{2.5}	SO _x
Demolition	26.3	20.6	1.5	1.3	1.1	0.0
Site Preparation	24.5	19.5	1.0	8.2	4.9	0.0
Grading (2017)	92.7	72.6	3.9	11.4	6.1	0.2
Grading (2018)	92.5	75.3	4.4	11.6	6.3	0.2
Wet Utilities	14.1	9.5	0.5	0.8	0.6	0.0
Paving	17.8	11.1	0.7	0.8	0.6	0.0
Painting (2018)	7.5	2.5	22.0	1.3	0.5	0.0
Painting (2019)	7.0	2.3	22.0	1.3	0.4	0.0
Painting (2020)	6.6	2.1	21.9	1.2	0.4	0.0
Painting (2021)	6.3	1.9	21.9	1.2	0.4	0.0
Bldg. Const. (2018)	60.8	32.0	4.7	8.1	3.1	0.1
Bldg. Const. (2019)	57.6	30.0	4.3	8.0	3.0	0.1
Bldg. Const. (2020)	55.2	27.6	4.0	7.9	2.9	0.1
Bldg. Const. (2021)	53.4	25.3	3.8	7.8	2.8	0.1
Significance Threshold	550	100	75	150	55	150
Exceed Threshold?	No	No	No	No	No	No

Table 10 shows that, with mitigation, no individual construction activity will generate emissions that exceed the SCAQMD Regional Emissions Significance Thresholds. In 2017, Demolition and Site Preparation will occur concurrently. In 2018 Grading, Wet Utilities, and Paving will occur concurrently as will Paving, Painting, and Building Construction. In 2019, 2020, and 2021, Painting and Building Construction will occur concurrently. Table 11 presents the total emissions during these concurrent construction activities. These are simply the sum of the emissions presented in Table 11 for the concurrent activities.

Table 11
Total Mitigated Concurrent Construction Emissions

Activity	Daily Emissions (lbs/day)					
	CO	NO _x	VOC	PM ₁₀	PM _{2.5}	SO _x
Demolition & Site Preparation	50.9	40.1	2.5	9.5	6.0	0.1
Grading (2018), Wet Utility, & Paving	124.4	95.9	5.6	13.1	7.6	0.2
Paving, Painting (2018), Bldg. Const. (2018)	86.1	45.6	27.5	10.1	4.2	0.2
Painting (2019), Bldg. Const. (2019)	64.6	32.2	26.3	9.2	3.5	0.1
Painting (2020), Bldg. Const. (2020)	61.8	29.7	25.9	9.1	3.4	0.1
Painting (2021), Bldg. Const. (2021)	59.8	27.1	25.6	9.0	3.3	0.2
Significance Threshold Exceed Threshold?	550 No	100 No	75 No	150 No	55 No	150 No

Table 11 shows that, with mitigation, no concurrent construction activity will generate emissions that exceed the SCAQMD Regional Emissions Significance Thresholds.

On-site emissions for each of the construction activities with the mitigation measures specified above and are presented in Table 12. The applicable LST thresholds are also presented.

Table 12
On-Site Mitigated Emissions By Construction Activity

Activity	Daily Emissions (lbs/day)			
	CO	NO _x	PM ₁₀	PM _{2.5}
Demolition	25.2	20.2	1.1	1.0
Site Preparation	23.4	19.5	8.0	4.8
Grading (2017)	90.1	72.4	10.9	6.0
Grading (2018)	90.1	75.1	11.1	6.1
Wet Utilities	13.4	9.5	0.6	0.6
Paving	16.9	11.1	0.6	0.6
Painting (2018)	1.9	2.0	0.2	0.2
Painting (2019)	1.8	1.8	0.1	0.1
Painting (2020)	1.8	1.7	0.1	0.1
Painting (2021)	1.8	1.5	0.1	0.1
Bldg. Const. (2018)	18.0	17.4	1.2	1.1
Bldg. Const. (2019)	17.9	16.6	1.1	1.0
Bldg. Const. (2020)	17.8	15.8	1.0	1.0
Bldg. Const. (2021)	17.7	15.1	0.9	0.9
Significance Threshold	2,193.0	270.0	40.0	11.1
Exceed Threshold?	No	No	No	No

In 2017, Demolition and Site Preparation will occur concurrently. In 2018 Grading, Wet Utilities, and Paving will occur concurrently as will Paving, Painting, and Building Construction. In 2019, 2020, and 2021, Painting and Building Construction will occur concurrently. Table 13 presents the total emissions during these concurrent construction activities. These are simply the sum of the emissions presented in Table 12 for the concurrent activities.

Table 13
On-Site Mitigated Emissions By Concurrent Construction Activities

Activity	Daily Emissions (lbs/day)			
	CO	NO _x	PM ₁₀	PM _{2.5}
Demolition & Site Preparation	48.6	39.6	9.1	5.8
Grading (2018), Wet Utility, & Paving	120.4	95.6	12.3	7.4
Paving, Painting (2018), Bldg. Const. (2018)	36.8	30.5	1.9	1.9
Painting (2019), Bldg. Const. (2019)	19.7	18.4	1.2	1.2
Painting (2020), Bldg. Const. (2020)	19.6	17.5	1.1	1.1
Painting (2021), Bldg. Const. (2021)	19.5	16.6	1.0	1.0
Significance Threshold	2,193.0	270.0	40.0	11.1
Exceed Threshold?	No	No	No	No

Table 13 shows that no concurrent construction activity will generate emissions that exceed the SCAQMD Localized Significance Thresholds with the mitigation specified above.

4.2 Long-Term Impacts

The analysis presented in Section 3.3.2 concluded that operation of the Project would result in VOC and NO_x emissions greater than the SCAQMD regional significance thresholds. The primary impact of VOC and NO_x emissions is their contribution to ozone formation. As these pollutants react in the presence of sunlight they form ozone. Emissions from the entire SCAB contribute to ozone formation. The high ozone concentrations in the project area discussed in Section 2.7 are primarily due to VOC and NO_x emissions from sources located closer to the coast. Emissions from the project site would contribute to ozone concentrations further inland and downwind from the Project site. Based on the 2030 emissions estimate from the 2012 AQMP, the Project's VOC and NO_x emission would represent 0.010% and 0.014% of the total emissions in the SCAB respectively. This small increase in emissions would not be expected to result in a considerable increase in downwind ozone concentrations.

The only sources for which it is feasible for the Project to mitigate operational pollutant emissions is natural gas combustion, fireplace, and landscaping. However, even if the VOC and NO_x emissions from these sources were eliminated completely, the emissions from the Project would still exceed the SCAQMD significance thresholds. There is no feasible way for the Project to control the driving habits of the residents, to limit their use of consumer products, or limit the

use of architectural coatings. Emissions from these sources generate 75.0 of the 80.1 lbs/day of VOC emissions and 70.2 of the 78.5 lbs/day of NO_x emissions. These emissions are greater than the 55 lbs/day significance thresholds for VOC and NO_x emissions. Therefore, it is not feasible to mitigate the operational emissions from the project to a less than significant impact. Even though the emissions cannot be reduced to a level of insignificance, CEQA requires that all feasible mitigation measures be incorporated into the project.

Natural gas combustion emissions result from space and water heating. Measures to increase insulation of the structures and reduce hot water usage would result in reductions of natural gas combustion emissions. However, current building codes in California provide little room to increase insulation and reduce hot water usage. Further, measures required to comply with the City's Community Climate Action Plan discussed in the Greenhouse Gas Assessment prepared for the Project will increase insulation and reduce hot water usage to the greatest extent feasible and minimize VOC and NO_x emission from natural gas combustion.

The emissions modeling assumed that each residence included a gas fireplace. Eliminating fireplaces from the project would eliminate these emissions and reduce VOC 1.9 lbs/day but would not measurably reduce NO_x emissions. However, as discussed above, the primary impact of the VOC and NO_x emissions is ozone formation that occurs during hot sunny days when people would not be expected to use their fireplaces. While eliminating fireplaces would reduce VOC emissions, these reductions would occur during colder winter months when harmful ozone concentrations do not occur. Therefore, eliminating fireplaces would not reduce ozone concentrations on days where harmful ozone concentrations occur and would not reduce the impact of the Project.

Landscaping emissions are caused by the use of gas powered landscaping equipment. The only practical way for the Project to reduce landscaping emissions is to include convenient electrical outlets in the front and rear of homes to allow for the use of electrically powered landscaping equipment. It is not feasible to estimate the amount of emission reductions that would occur with this mitigation because it would depend on the number of residences that opted to use electrical landscaping equipment over combustion engine powered equipment. There is no way for the project to require the use of electrically powered landscaping equipment. Mitigation Measure AQ-3 is recommended to reduce emission to the greatest extent feasible. As discussed above, total VOC and NO_x emissions would still exceed the significance thresholds with the implementation of Mitigation Measure AQ-3.

Mitigation Measure AQ-3: Provide Outdoor Electrical Outlets at the Front and Rear of Homes. In order to encourage the use of electrically powered landscaping equipment convenient electrical outlets shall be provided at both the front and rear of the homes constructed by the project.

The analysis presented in Sections 3.3.3 and 3.3.4 concluded that on-site pollutant emissions during operation of the Project would not result in any significant impacts due to increased pollutant concentrations in the immediate vicinity of the Project or intersections and roadways serving project traffic. No mitigation measures are required to address localized air quality impacts.

5.0 Unavoidable Significant Impacts

With the mitigation measures described in Section 4.0, all significant short-term construction significant impacts will be reduced to a level of insignificance. The analysis presented in Sections 3.3.3 and 3.3.4 concluded that on-site pollutant emissions during operation of the Project would not result in any significant impacts due to increased pollutant concentrations in the immediate vicinity of the Project or intersections and roadways serving project traffic.

Total VOC and NO_x emissions during operation of the Project will exceed the SCAQMD regional significance threshold even with the maximum feasible mitigation implemented. VOC and NO_x emissions do not result in an impact directly. When these pollutants mix in the atmosphere in the presence of sunlight they form ozone. Harmful ozone concentrations occur on warm stagnant days.

As discussed in Section 4.0, there are no feasible methods to reduce the Project's operational VOC and NO_x emissions to less than the thresholds. Measures required to comply with the City's Community Climate Action Plan will reduce natural gas emissions to the greatest extent feasible and Mitigation Measure AQ-3 will reduce landscaping emissions to the greatest extent feasible. While eliminating fireplaces from the residences would reduce VOC and NO_x emissions, these emission reductions would not occur on hot days when harmful ozone concentrations occur. There is no feasible way for the project to mitigate operational motor vehicle, consumer product, or architectural coating emissions. Emissions of VOC and NO_x during operation of the Project will result in an unavoidable significant impact even with all feasible mitigation implemented.

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Appendix

CalEEMod Operational Input Summary
CalEEMod Input and Output Files Available Upon Request

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CalEEMod Input Summary - Land Use & Vehicular Trips

Project Characteristics

File Name: Armstrong Ranch CalEEmod Input v8res.xls
Project: Armstrong Ranch Res w/School
Year: 2021
Size: 198.8 Acres
Population: 2843
Location: SBERNSC
Climate Zone: 7
Urbanization: Urban
Wind Speed: 2.2 m/s
Precipitation: 32 days/year
Utility: Southern California Edison
CO₂: 630.89 lb/MW hr
CH₄: 0.029 lb/MW hr
N₂O: 0.006 lb/MW hr

Land Use Information

Category:	Parking	Residential	0
Land Use:	Parking Lot	Single Family Housing	0
Units:	7 Acre	994 Dwelling Unit	
Lot Size:	7.0 Acres	191.8 Acres	0.0 Acres
Bulding Size	304,920 sq. ft.	1,789,200 sq. ft.	0 sq. ft.
Population:	0	2,843	0

Vehicle Miles Traveled

Daily	VMT	VMT	VMT	Total
Home-Work:	0	49,685	0	49,685
Home-Shop	0	9,528	0	9,528
Home-Other	0	29,703	0	29,703
Comm-Cust:	0	0	0	0
Comm-Work:	0	0	0	0
Comm-NonWork:	0	0	0	0
Total:	0	88,915	0	88,915
Annual	0	32,454,128	0	32,454,128

CalEEMod Input Summary - Land Use & Vehicular Trips

File Name: Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch Res w/School

Trip Generation

Trip Rate				
Weekday:	0 / Acre	9.57 / Dwelling Unit	/	
Saturday:	0 / Acre	10.08 / Dwelling Unit	/	
Sunday:	0 / Acre	8.77 / Dwelling Unit	/	
Daily Trips:				Total
Weekday:	0	9,513	0	9,513
Saturday:	0	10,020	0	10,020
Sunday:	0	8,717	0	8,717
Average:	0	9,471	0	9,471

Trip Type

Trip Purpose				
Primary:	0%	86%	0%	
Diverted:	0%	11%	0%	
Pass By:	0%	3%	0%	
Origin-Destination				
Home-Work:	0%	40%	0%	
Home-School:	0%	19%	0%	
Home-Office:	0%	41%	0%	
Comm-Cust:	0%	0%	0%	
Comm-Work:	0%	0%	0%	
Comm-NonWork:	0%	0%	0%	

Trip Length

Trip Length Basis				
Home-Work:	0.00	14.70	0.00	
Home-School:	0.00	5.90	0.00	
Home-Office:	0.00	8.70	0.00	
Comm-Cust:	8.40	0.00	0.00	
Comm-Work:	16.60	0.00	0.00	
Comm-NonWork:	6.90	0.00	0.00	
Modeled Trip Length				
Home-Work:	0.00	13.05	0.00	
Home-School:	0.00	5.24	0.00	
Home-Office:	0.00	7.72	0.00	
Comm-Cust:	0.00	0.00	0.00	
Comm-Work:	0.00	0.00	0.00	
Comm-NonWork:	0.00	0.00	0.00	

CalEEMod Input Summary - Operational Emissions

File Name: Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch

Electricity and Natural Gas

	Parking Lot	Single Family Housing	0
Electrical Use (kWhr/size/year)			
Title 24:	0	764	0
Non-Title 24:	0	5,099	0
Lighting:	1	1,609	0
Total:	1	7,472	0
Natural Gas (kBtu/size/year)			
Title 24:	0	23,622	0
Non-Title 24:	0	6,070	0
Total:	0	29,692	0

Water & Wastewater

	Parking Lot	Single Family Housing	0
Water Use (gal/yr)			
Indoor:	0	64,763,101	0
Outdoor:	0	40,828,912	0
Total:	0	105,592,013	0
Electricity Intensity (kWhr/Mgal)			
Supply:	9,727	9,727	0
Supply Treat:	111	111	0
Distribute:	1,272	1,272	0
Waste Treat:	1,911	1,911	0
Total:	11,638	11,638	0
Waste Disposal			
Septic Tank:	10.3%	10.3%	0.0%
Aerobic:	87.5%	87.5%	0.0%
Anerobic			
Lagoon:	2.2%	2.2%	0.0%
w/ Combust:	100.0%	100.0%	0.0%
w/ Cogen:	0.0%	0.0%	0.0%

Architectural Coatings

	Interior	Exterior	Exterior
Residential			
Size:	3,623,130 sq. ft.	3,623,130 sq. ft.	1,207,710 sq. ft.
Rate:	50 g/L	50 g/L	100 g/L
Commercial			
Square Feet:	13,721 sq. ft.	13,721 sq. ft.	4,574 sq. ft.
Emission Factor:	250 g/L	250 g/L	250 g/L
Reapplication Rate		10.0%	

CalEEMod Input Summary - Operational Emissions

File Name: Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch

Fireplace

	0	Single Family Housing	Parking Lot
Number of Units With:			
Wood:	0	0	0
Gas:	994	0	0
Propane:	0	0	0
None:	0	0	0
Use			
Hrs/day:	3.00	0.00	0.00
Days/Year:	25	0	0
Wood Mass:	0	0	0

Wood Stoves

	Parking Lot	Single Family Housing	0
Number of Units With:			
Conventional:	0	0	0
Catalytic:	0	0	0
Non-Catalytic:	0	0	0
Pellet:	0	0	0
Use			
Days/Year:	25.00	0.00	0.00
Wood Mass:	0	0	0

Consumer Products

Emission Factor:	1.98E-05 g VOC/sqr ft	g VOC/sqr ft
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Landscape Equipment

	Snow Days	Summer Days	Summer Days
	0	0	250

CalEEMod Input Summary - Operational Mitigation

File Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch

Land Use Mitigation

Project Setting

0

Land Use

-- **Increased Density**

-- DU Per Acre

-- Jobs/Acre

-- **Increase Diversity**

-- **Improve Walkability**

-- Intersections/Square Mile

-- **Improve Destination Accessibility**

-- Dist. To Downtown Job Center (mi)

-- **Increase Transit Accessibility**

-- Dist. To Transit Station (mi)

-- **Integrate Below Market Rate Housing**

-- # of Units Below Market Rate

Neighborhood Enhancements

-- **Improve Pedestrian Network**

--

-- **Provide Traffic Calming Measures**

-- % of Streets With Improvement

-- % Intersections With Improvement

-- **Implement NEV Network**

Parking Policy/Pricing

Limit Parking Supply

-- % Reduction in Spaces

-- **Unbundle Parking Costs**

-- Monthly Parking Cost (\$)

-- **On-Street Market Pricing**

-- % Increase in Price

Transit Improvement

-- **Provide BRT System**

-- % Lines BRT

-- **Expand Transit Network**

-- % Increase in Transit Coverage

-- **Increase Transit Frequency**

-- Implementation Level

-- % Reduction in Headway

Energy Mitigation

Building Energy

-- **Exceed Title 24**

-- % Improvement

-- **Install Energy Efficient Lighting**

-- % Improvement

Alternative Energy

-- **Onsite Renewable Energy**

-- Total kWH

-- kWH Generated

-- % of Use Generated

-- % of Use

Appliance Mitigation

30% Clothes Washer

15% Dish Washer

50% Fan

15% Refrigerator

CalEEMod Input Summary - Operational Mitigation

File Armstrong Ranch CalEEMod Input v8res.xls

Project: Armstrong Ranch

Commute Mitigation

Commute Trips

-- **Implement Trip Reduction Program**

-- % Employees Eligible

-- Type

-- **Implement Transit Subsidy**

-- % Employees Eligible

-- Daily Subsidy Amount(\$)

-- **Implement Employee Parking "Cash Out"**

-- % Employees Eligible

-- **Workplace Parking Charge**

-- % Employees Eligible

-- Daily Parking Charge (\$)

-- **Encourage Telecommute & Alt Schedules**

-- % Employees Work 9/80

-- % Employees Work 4/40

-- % Employees Telecommute 1.5 days

-- **Market Commute Trip Reduction Program**

-- % Employees Eligible

-- **Employee Vanpool/Shuttle**

-- % Employees Eligible

-- % Vanpool Mode Share

-- **Provide Ride Sharing Program**

-- % Employees Eligible

School Trips

-- **Implement School Bus Program**

-- % Families Using

Water Mitigation

Water Conservation Strategy

-- **Apply Water Conservation Strategy**

-- % Reduction Indoor

-- % Reduction Outdoor

Water Supply

-- **Use Reclaimed Water**

-- % Indoor Water use

-- % Outdoor Water Use

-- **Use Grey Water**

-- % Indoor Water use

-- % Outdoor Water Use

Indoor Water Use

-- **Install Low Flow Bathroom Faucet**

-- % Reduction in Flow

-- **Install Low Flow Kitchen Faucet**

-- % Reduction in Flow

-- **Install Low Flow Toilet Faucet**

-- % Reduction in Flow

-- **Install Low Flow Shower**

-- % Reduction in Flow

Outdoor Water Use

-- **Turf Reduction**

-- Turf Reduction Area (acres)

-- % Reduction in Turf

-- **Use Water Efficient Irrigation Systems**

-- % Reduction

-- **Water Efficient Landscape**

-- MAWA (gal/yr)

-- ETWU (gal/yr)

Municipal Waste Mitigation

-- **Institute Recycling and Composting Services**

-- % Reduction in Waste Disposed

CalEEMod Input Summary - Land Use & Vehicular Trips

Project Characteristics

File Name: Armstrong Ranch CalE	Emod Input v8school.xls
Project:	Armstrong Ranch Res w/School
Year:	2021
Size:	198.8 Acres
Population:	2700
Location:	SBERNSC
Climate Zone:	7
Urbanization:	Urban
Wind Speed:	2.2 m/s
Precipitation:	32 days/year
Utility:	Southern California Edison
CO₂:	630.89 lb/MWhr
CH₄:	0.029 lb/MWhr
N₂O:	0.006 lb/MWhr

Land Use Information

Category:	Educational	Parking	Residential
Land Use:	Elementary School	Other Asphalt Surfaces	Single Family Housing
Units:	1000 Student	7 Acre	944 Dwelling Unit
Lot Size:	10.0 Acres	7.0 Acres	181.8 Acres
Bulding Size	83,603 sq. ft.	304,920 sq. ft.	1,699,200 sq. ft.
Population:	0	0	2,700

Vehicle Miles Traveled

Daily	VMT	VMT	VMT	Total
Home-Work:	0	0	47,186	47,186
Home-Shop	0	0	9,048	9,048
Home-Other	0	0	28,209	28,209
Comm-Cust:	637	0	0	637
Comm-Work:	2,725	0	0	2,725
Comm-NonWork:	87	0	0	87
Total:	3,449	0	84,443	87,892
Annual	1,258,917	0	30,821,627	32,080,544

CalEEMod Input Summary - Land Use & Vehicular Trips

File Name: Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch Res w/School

Trip Generation

Trip Rate			
Weekday:	0.51 / Student	0 / Acre	9.57 / Dwelling Unit
Saturday:	0 / Student	0 / Acre	10.08 / Dwelling Unit
Sunday:	0 / Student	0 / Acre	8.77 / Dwelling Unit
Daily Trips:			Total
Weekday:	510	0	9,034
Saturday:	0	0	9,516
Sunday:	0	0	8,279
Average:	364	0	8,995

Trip Type

Trip Purpose			
Primary:	63%	0%	86%
Diverted:	25%	0%	11%
Pass By:	12%	0%	3%
Origin-Destination			
Home-Work:	0%	0%	40%
Home-School:	0%	0%	19%
Home-Office:	0%	0%	41%
Comm-Cust:	30%	0%	0%
Comm-Work:	65%	0%	0%
Comm-NonWork:	5%	0%	0%

Trip Length

Trip Length Basis			
Home-Work:	0.00	0.00	14.70
Home-School:	0.00	0.00	5.90
Home-Office:	0.00	0.00	8.70
Comm-Cust:	8.40	8.40	0.00
Comm-Work:	16.60	16.60	0.00
Comm-NonWork:	6.90	6.90	0.00
Modeled Trip Length			
Home-Work:	0.01	0.00	13.05
Home-School:	0.01	0.00	5.24
Home-Office:	0.01	0.00	7.72
Comm-Cust:	5.83	0.00	0.00
Comm-Work:	11.51	0.00	0.00
Comm-NonWork:	4.79	0.00	0.00

CalEEMod Input Summary - Operational Emissions

File Name: Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch

Electricity and Natural Gas

	Elementary School	Other Asphalt Surfaces	Single Family Housing
Electrical Use (kWhr/size/year)			
Title 24:	2	0	764
Non-Title 24:	2	0	5,099
Lighting:	4	0	1,609
Total:	8	0	7,472
Natural Gas (kBtu/size/year)			
Title 24:	11	0	23,622
Non-Title 24:	0	0	6,070
Total:	11	0	29,692

Water & Wastewater

	Elementary School	Other Asphalt Surfaces	Single Family Housing
Water Use (gal/yr)			
Indoor:	2,424,240	0	61,505,400
Outdoor:	6,233,760	0	38,775,144
Total:	8,658,000	0	100,280,544
Electricity Intensity (kWhr/Mgal)			
Supply:	9,727	9,727	9,727
Supply Treat:	111	111	111
Distribute:	1,272	1,272	1,272
Waste Treat:	1,911	1,911	1,911
Total:	11,638	11,638	11,638
Waste Disposal			
Septic Tank:	10.3%	10.3%	10.3%
Aerobic:	87.5%	87.5%	87.5%
Anerobic			
Lagoon:	2.2%	2.2%	2.2%
w/ Combust:	100.0%	100.0%	100.0%
w/ Cogen:	0.0%	0.0%	0.0%

Architectural Coatings

	Interior	Exterior	Exterior
Residential			
Size:	3,440,880 sq. ft.	3,440,880 sq. ft.	1,146,960 sq. ft.
Rate:	50 g/L	50 g/L	100 g/L
Commercial			
Square Feet:	582,785 sq. ft.	582,785 sq. ft.	194,262 sq. ft.
Emission Factor:	250 g/L	250 g/L	250 g/L
Reapplication Rate		10.0%	

CalEEMod Input Summary - Operational Emissions

File Name: Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch

Fireplace

	Single Family Housing	Other Asphalt Surfaces	Elementary School
Number of Units With:			
Wood:	0	0	0
Gas:	944	0	0
Propane:	0	0	0
None:	0	0	0
Use			
Hrs/day:	3.00	0.00	0.00
Days/Year:	25	0	0
Wood Mass:	0	0	0

Wood Stoves

	Elementary School	Other Asphalt Surfaces	Single Family Housing
Number of Units With:			
Conventional:	0	0	0
Catalytic:	0	0	0
Non-Catalytic:	0	0	0
Pellet:	0	0	0
Use			
Days/Year:	0.00	0.00	0.00
Wood Mass:	0	0	0

Consumer Products

Emission Factor:	1.98E-05 g VOC/sqr ft	g VOC/sqr ft
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Landscape Equipment

	Snow Days	Summer Days	Summer Days
	0	0	250

CalEEMod Input Summary - Operational Mitigation

File Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch

Land Use Mitigation

Project Setting

0

Land Use

-- **Increased Density**

-- DU Per Acre

-- Jobs/Acre

-- **Increase Diversity**

-- **Improve Walkability**

-- Intersections/Square Mile

-- **Improve Destination Accessibility**

-- Dist. To Downtown Job Center (mi)

-- **Increase Transit Accessibility**

-- Dist. To Transit Station (mi)

-- **Integrate Below Market Rate Housing**

-- # of Units Below Market Rate

Neighborhood Enhancements

-- **Improve Pedestrian Network**

--

-- **Provide Traffic Calming Measures**

-- % of Streets With Improvement

-- % Intersections With Improvement

-- **Implement NEV Network**

Parking Policy/Pricing

Limit Parking Supply

-- % Reduction in Spaces

-- **Unbundle Parking Costs**

-- Monthly Parking Cost (\$)

-- **On-Street Market Pricing**

-- % Increase in Price

Transit Improvement

-- **Provide BRT System**

-- % Lines BRT

-- **Expand Transit Network**

-- % Increase in Transit Coverage

-- **Increase Transit Frequency**

-- Implementation Level

-- % Reduction in Headway

Energy Mitigation

Building Energy

-- **Exceed Title 24**

-- % Improvement

-- **Install Energy Efficient Lighting**

-- % Improvement

Alternative Energy

-- **Onsite Renewable Energy**

-- Total kWH

-- kWH Generated

-- % of Use Generated

-- % of Use

Appliance Mitigation

30% Clothes Washer

15% Dish Washer

50% Fan

15% Refrigerator

CalEEMod Input Summary - Operational Mitigation

File Armstrong Ranch CalEEMod Input v8school.xls

Project: Armstrong Ranch

Commute Mitigation

Commute Trips

- **Implement Trip Reduction Program**
 - % Employees Eligible
 - Type
- **Implement Transit Subsidy**
 - % Employees Eligible
 - Daily Subsidy Amount(\$)
- **Implement Employee Parking "Cash Out"**
 - % Employees Eligible
- **Workplace Parking Charge**
 - % Employees Eligible
 - Daily Parking Charge (\$)
- **Encourage Telecommute & Alt Schedules**
 - % Employees Work 9/80
 - % Employees Work 4/40
 - % Employees Telecommute 1.5 days
- **Market Commute Trip Reduction Program**
 - % Employees Eligible
- **Employee Vanpool/Shuttle**
 - % Employees Eligible
 - % Vanpool Mode Share
- **Provide Ride Sharing Program**
 - % Employees Eligible

School Trips

- **Implement School Bus Program**
 - % Families Using

Water Mitigation

Water Conservation Strategy

- **Apply Water Conservation Strategy**
 - % Reduction Indoor
 - % Reduction Outdoor

Water Supply

- **Use Reclaimed Water**
 - % Indoor Water use
 - % Outdoor Water Use
- **Use Grey Water**
 - % Indoor Water use
 - % Outdoor Water Use

Indoor Water Use

- **Install Low Flow Bathroom Faucet**
 - % Reduction in Flow
- **Install Low Flow Kitchen Faucet**
 - % Reduction in Flow
- **Install Low Flow Toilet Faucet**
 - % Reduction in Flow
- **Install Low Flow Shower**
 - % Reduction in Flow

Outdoor Water Use

- **Turf Reduction**
 - Turf Reduction Area (acres)
 - % Reduction in Turf
- **Use Water Efficient Irrigation Systems**
 - % Reduction
- **Water Efficient Landscape**
 - MAWA (gal/yr)
 - ETWU (gal/yr)

Municipal Waste Mitigation

- **Institute Recycling and Composting Services**
 - % Reduction in Waste Disposed

AERMOD Output Summary

AERMOD Input and Output Files Available Upon Request

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**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: upla8.sfc
 Profile file: upla8.PFL
 Surface format: FREE
 Profile format: FREE
 Surface station no.: 0
 Name: UNKNOWN
 Year: 2008

Upper air station no.: 3190
 Name: UNKNOWN
 Year: 2008

Met Version: 14134

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
08	01	01	1	01	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	280.9	5.5			
08	01	01	1	02	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	03	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	04	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	05	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	06	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	07	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	280.4	5.5			
08	01	01	1	08	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	0.53	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	09	23.9	-9.000	-9.000	-9.000	56.	-999.	-99999.0	0.33	1.00	0.31	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	10	64.1	-9.000	-9.000	-9.000	142.	-999.	-99999.0	0.33	1.00	0.24	999.00	999.	-9.0	287.5	5.5			
08	01	01	1	11	112.5	-9.000	-9.000	-9.000	356.	-999.	-99999.0	0.33	1.00	0.21	999.00	999.	-9.0	290.4	5.5			
08	01	01	1	12	134.8	-9.000	-9.000	-9.000	586.	-999.	-99999.0	0.33	1.00	0.20	999.00	999.	-9.0	293.1	5.5			
08	01	01	1	13	103.6	-9.000	-9.000	-9.000	708.	-999.	-99999.0	0.33	1.00	0.20	999.00	999.	-9.0	293.1	5.5			
08	01	01	1	14	93.1	-9.000	-9.000	-9.000	753.	-999.	-99999.0	0.33	1.00	0.22	999.00	999.	-9.0	293.8	5.5			
08	01	01	1	15	44.5	-9.000	-9.000	-9.000	772.	-999.	-99999.0	0.33	1.00	0.25	999.00	999.	-9.0	292.5	5.5			
08	01	01	1	16	8.6	-9.000	-9.000	-9.000	774.	-999.	-99999.0	0.33	1.00	0.34	999.00	999.	-9.0	290.4	5.5			
08	01	01	1	17	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	0.62	999.00	999.	-9.0	289.2	5.5			
08	01	01	1	18	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	287.0	5.5			
08	01	01	1	19	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	285.9	5.5			
08	01	01	1	20	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	284.9	5.5			
08	01	01	1	21	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	284.2	5.5			
08	01	01	1	22	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	283.1	5.5			
08	01	01	1	23	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			
08	01	01	1	24	-999.0	-9.000	-9.000	-9.000	-999.	-999.	-99999.0	0.33	1.00	1.00	999.00	999.	-9.0	281.4	5.5			

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB	TMP	sigmaA	sigmaW	sigmaV
08	01	01	01	5.5	0	-999.	-99.00	281.0	99.0	-99.00	-99.00	-99.00
08	01	01	01	9.1	1	-999.	-99.00	-999.0	99.0	-99.00	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGHEST VALUE IS	0.42852 AT (444623.24, 3764093.00, 232.70, 232.70, 2.00)	GC	UCART16
	2ND HIGHEST VALUE IS	0.42602 AT (444623.24, 3763993.00, 232.50, 232.50, 2.00)	GC	UCART16
	3RD HIGHEST VALUE IS	0.42389 AT (444623.24, 3764113.00, 232.90, 232.90, 2.00)	GC	UCART16
	4TH HIGHEST VALUE IS	0.42313 AT (444623.24, 3764013.00, 232.50, 232.50, 2.00)	GC	UCART16
	5TH HIGHEST VALUE IS	0.42222 AT (444623.24, 3764073.00, 232.60, 232.60, 2.00)	GC	UCART16
	6TH HIGHEST VALUE IS	0.42099 AT (444623.24, 3764193.00, 233.70, 233.70, 2.00)	GC	UCART16
	7TH HIGHEST VALUE IS	0.41759 AT (444623.24, 3763973.00, 232.50, 232.50, 2.00)	GC	UCART16
	8TH HIGHEST VALUE IS	0.41736 AT (444623.24, 3764173.00, 233.50, 233.50, 2.00)	GC	UCART16
	9TH HIGHEST VALUE IS	0.41530 AT (444623.24, 3764033.00, 232.50, 232.50, 2.00)	GC	UCART16
	10TH HIGHEST VALUE IS	0.41458 AT (444623.24, 3764133.00, 233.10, 233.10, 2.00)	GC	UCART16

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

*** AERMOD - VERSION 14134 ***
*** AERMET - VERSION 14134 ***

*** Armstrong Ranch Operational PM10

*** 10/30/15
*** 14:32:59
PAGE 5

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH	1ST HIGH VALUE IS	0.62955 ON 11112024: AT (443957.83, 3763671.48, 229.65, 229.65, 2.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 14134 *** *** Armstrong Ranch Operational PM10
*** AERMET - VERSION 14134 *** ***

*** 10/30/15
*** 14:32:59
PAGE 6

**MODELOPTs: RegDEFAULT CONC ELEV FLGPOL

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 0 Warning Message(s)
A Total of 1377 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 9 Calm Hours Identified

A Total of 1368 Missing Hours Identified (3.12 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****
*** NONE ***

Armstrong Ranch
San Bernardino-South Coast County, Summer

Residential - Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	7.00	Acre	7.00	304,920.00	0
Single Family Housing	994.00	Dwelling Unit	191.80	1,789,200.00	2843

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project Specific Acreage Used
- Construction Phase - Applicant Provided Construction Schedule Used
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Demolition -

Grading -

Woodstoves - Project will only include gas fireplaces per SCAQMD Regulations

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,043.00
tblConstructionPhase	NumDays	3,100.00	891.00
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	310.00	282.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	12/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	5/2/2022	12/31/2021

tblConstructionPhase	PhaseEndDate	7/2/2018	6/29/2018
tblConstructionPhase	PhaseEndDate	5/3/2019	11/30/2018
tblConstructionPhase	PhaseEndDate	6/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/1/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2022	10/1/2018
tblConstructionPhase	PhaseStartDate	12/1/2018	8/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2017	6/1/2017
tblConstructionPhase	PhaseStartDate	10/2/2018	5/1/2018
tblConstructionPhase	PhaseStartDate	5/2/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	6/30/2018	1/1/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	844.90	994.00
tblFireplaces	NumberNoFireplace	99.40	0.00
tblFireplaces	NumberWood	49.70	0.00
tblLandUse	LotAcreage	322.73	191.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	3.29	3.43
tblVehicleEF	HHD	1.73	1.56
tblVehicleEF	HHD	53.84	51.93
tblVehicleEF	HHD	527.95	527.57
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04

tblVehicleEF	HHD	3.62	3.31
tblVehicleEF	HHD	3.72	2.33
tblVehicleEF	HHD	3.57	3.42
tblVehicleEF	HHD	9.4770e-003	9.1820e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	8.7190e-003	8.4470e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.58	0.61
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.39	1.22
tblVehicleEF	HHD	5.5970e-003	5.5920e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4360e-003	1.4000e-003
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.67	0.69
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.49	1.30

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
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tblVehicleEF	HHD	1.75	1.57
tblVehicleEF	HHD	43.00	41.62
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tblVehicleEF	HHD	1,515.31	1,502.48
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tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.74	3.42
tblVehicleEF	HHD	3.50	2.19
tblVehicleEF	HHD	3.42	3.28
tblVehicleEF	HHD	7.9890e-003	7.7400e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	7.3500e-003	7.1210e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.55	0.57
tblVehicleEF	HHD	2.1520e-003	2.0410e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.21	1.06
tblVehicleEF	HHD	5.9290e-003	5.9250e-003

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2600e-003	1.2340e-003
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.63	0.65
tblVehicleEF	HHD	2.1520e-003	2.0410e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.29	1.13
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	4.54	4.72
tblVehicleEF	HHD	1.74	1.56
tblVehicleEF	HHD	50.98	49.22
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tblVehicleEF	HHD	1,515.31	1,502.48
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tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	HHD	3.66	2.29
tblVehicleEF	HHD	3.53	3.39
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08

tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.63	0.66
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.35	1.18
tblVehicleEF	HHD	5.1370e-003	5.1340e-003
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tblVehicleEF	HHD	1.3900e-003	1.3560e-003
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
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tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.44	1.26
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
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tblVehicleEF	LDA	1.34	1.18
tblVehicleEF	LDA	232.89	224.48
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tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003

tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
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tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
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tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05

tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	7.5600e-004	7.5500e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
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tblVehicleEF	LDA	1.33	1.17
tblVehicleEF	LDA	229.18	220.90
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.75	1.50
tblVehicleEF	LDT1	3.45	2.91
tblVehicleEF	LDT1	282.26	274.00
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	4.0260e-003	4.0270e-003
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10

tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	2.06	1.77
tblVehicleEF	LDT1	2.66	2.24
tblVehicleEF	LDT1	304.83	296.02
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.21	0.18
tblVehicleEF	LDT1	4.3550e-003	4.3560e-003
tblVehicleEF	LDT1	8.9500e-004	8.9100e-004
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.22	0.19

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	3.42	2.89
tblVehicleEF	LDT1	278.02	269.87
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.00	0.90
tblVehicleEF	LDT2	1.89	1.62

tblVehicleEF	LDT2	347.75	339.67
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.7210e-003	4.7190e-003
tblVehicleEF	LDT2	1.0380e-003	1.0350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.19	1.07
tblVehicleEF	LDT2	1.45	1.24
tblVehicleEF	LDT2	376.43	367.69
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17

tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.15	0.12
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	5.1140e-003	5.1110e-003
tblVehicleEF	LDT2	1.0310e-003	1.0280e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	0.96	0.86
tblVehicleEF	LDT2	1.88	1.61
tblVehicleEF	LDT2	342.36	334.41
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003

tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.6470e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0340e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.14	0.11
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.41	3.09
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.04	0.90
tblVehicleEF	LHD1	1.17	1.10
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.31	0.27
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8700e-004	4.8300e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.33	0.29
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.80	0.67

tblVehicleEF	LHD1	2.74	2.49
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.97	0.83
tblVehicleEF	LHD1	1.13	1.06
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.28	0.24
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.7600e-004	4.7300e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.29	0.26
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.21	2.91
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.02	0.88
tblVehicleEF	LHD1	1.16	1.09
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003

tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.30	0.26
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8400e-004	4.8000e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.83	1.68
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.52	1.30
tblVehicleEF	LHD2	0.74	0.69
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1200e-004	3.1000e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.48	1.36
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.43	1.22

tblVehicleEF	LHD2	0.71	0.67
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.0600e-004	3.0500e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51

tblVehicleEF	LHD2	1.73	1.58
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.50	1.28
tblVehicleEF	LHD2	0.73	0.68
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.17	0.14
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1000e-004	3.0900e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.18	0.17

tblVehicleEF	LHD2	0.18	0.15
tblVehicleEF	MCY	20.66	20.25
tblVehicleEF	MCY	10.10	10.15
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.17	1.16
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.35	2.34
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.06	2.04
tblVehicleEF	MCY	1.9590e-003	1.9610e-003
tblVehicleEF	MCY	6.4600e-004	6.4000e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.59	2.57
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	20.46	20.06
tblVehicleEF	MCY	8.84	8.85
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48

tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.31	2.29
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.80	1.79
tblVehicleEF	MCY	1.9550e-003	1.9570e-003
tblVehicleEF	MCY	6.1800e-004	6.1200e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.54	2.53
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.93	1.92
tblVehicleEF	MCY	20.17	19.77
tblVehicleEF	MCY	9.80	9.84
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004

tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.34	2.32
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	1.9510e-003	1.9530e-003
tblVehicleEF	MCY	6.3900e-004	6.3400e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.57	2.55
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.15	2.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.57	1.36
tblVehicleEF	MDV	3.36	2.91
tblVehicleEF	MDV	463.01	452.65
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.10	0.09

tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.28	0.24
tblVehicleEF	MDV	6.0300e-003	6.0310e-003
tblVehicleEF	MDV	1.3360e-003	1.3310e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.86	1.63
tblVehicleEF	MDV	2.57	2.23
tblVehicleEF	MDV	500.86	489.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.03

tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	6.5280e-003	6.5290e-003
tblVehicleEF	MDV	1.3230e-003	1.3190e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.25	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.50	1.31
tblVehicleEF	MDV	3.33	2.89
tblVehicleEF	MDV	455.91	445.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.28	0.23
tblVehicleEF	MDV	1.3360e-003	1.3300e-003

tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.56	4.94
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.66	0.61
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0500e-004	3.9400e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.37	1.09

tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	1.18	0.79
tblVehicleEF	MH	4.41	3.95
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.07	0.93
tblVehicleEF	MH	0.63	0.58
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	6.5800e-003	6.5760e-003
tblVehicleEF	MH	3.8600e-004	3.7700e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.25	4.68
tblVehicleEF	MH	598.16	598.43

tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.14	0.99
tblVehicleEF	MH	0.65	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.30	0.26
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0000e-004	3.8900e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.32	0.28
tblVehicleEF	MHD	7.8620e-003	8.1640e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.99	2.08
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	13.05	11.21
tblVehicleEF	MHD	572.41	572.27
tblVehicleEF	MHD	919.98	916.77

tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.80	3.39
tblVehicleEF	MHD	1.20	0.88
tblVehicleEF	MHD	1.47	1.29
tblVehicleEF	MHD	8.1320e-003	7.7330e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	7.4820e-003	7.1140e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.77	0.66
tblVehicleEF	MHD	6.0680e-003	6.0660e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.7600e-004	7.4400e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.19	0.20
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.10	0.09

tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.82	0.71
tblVehicleEF	MHD	7.4100e-003	7.6930e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.45	1.51
tblVehicleEF	MHD	0.54	0.45
tblVehicleEF	MHD	10.40	8.98
tblVehicleEF	MHD	606.42	606.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.92	3.50
tblVehicleEF	MHD	1.13	0.82
tblVehicleEF	MHD	1.41	1.24
tblVehicleEF	MHD	6.8560e-003	6.5190e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	6.3070e-003	5.9970e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.36

tblVehicleEF	MHD	0.68	0.59
tblVehicleEF	MHD	6.4280e-003	6.4270e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.3200e-004	7.0700e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.72	0.63
tblVehicleEF	MHD	8.4880e-003	8.8130e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	2.75	2.86
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	12.35	10.62
tblVehicleEF	MHD	525.45	525.31
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.63	3.24
tblVehicleEF	MHD	1.18	0.86
tblVehicleEF	MHD	1.46	1.28
tblVehicleEF	MHD	9.8950e-003	9.4090e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	9.1040e-003	8.6570e-003
tblVehicleEF	MHD	0.05	0.05

tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.75	0.65
tblVehicleEF	MHD	5.5700e-003	5.5690e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.6400e-004	7.3400e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.21	0.22
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
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tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.54	8.41
tblVehicleEF	OBUS	534.43	533.48
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	32.73	32.73
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.88	3.20

tblVehicleEF	OBUS	1.47	0.99
tblVehicleEF	OBUS	1.34	1.19
tblVehicleEF	OBUS	9.0830e-003	8.7920e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	8.3560e-003	8.0880e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.52	0.56
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	5.6650e-003	5.6550e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
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tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.61	0.54
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	2.21	2.40
tblVehicleEF	OBUS	1.14	0.91
tblVehicleEF	OBUS	7.63	6.74
tblVehicleEF	OBUS	566.19	565.17
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	4.00	3.30
tblVehicleEF	OBUS	1.37	0.92
tblVehicleEF	OBUS	1.28	1.14
tblVehicleEF	OBUS	7.6570e-003	7.4120e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	7.0440e-003	6.8190e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.51	0.45
tblVehicleEF	OBUS	6.0020e-003	5.9910e-003
tblVehicleEF	OBUS	9.8270e-003	9.8080e-003
tblVehicleEF	OBUS	4.9900e-004	4.8300e-004

tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.55	0.60
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	4.19	4.55
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.03	7.97
tblVehicleEF	OBUS	490.59	489.71
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.71	3.06
tblVehicleEF	OBUS	1.45	0.97
tblVehicleEF	OBUS	1.32	1.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03

tblVehicleEF	OBUS	0.56	0.60
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	5.2000e-003	5.1910e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.2200e-004	5.0400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.63	0.69
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	SBUS	4.5470e-003	4.7360e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.09	1.15
tblVehicleEF	SBUS	1.84	1.59
tblVehicleEF	SBUS	21.62	19.07
tblVehicleEF	SBUS	550.57	554.02
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	115.30	115.30
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.45	7.25
tblVehicleEF	SBUS	6.96	6.63
tblVehicleEF	SBUS	1.88	1.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.37	1.22
tblVehicleEF	SBUS	5.8360e-003	5.8730e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6620e-003	1.6170e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.47	1.30
tblVehicleEF	SBUS	4.2850e-003	4.4640e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	0.79	0.84
tblVehicleEF	SBUS	1.88	1.63
tblVehicleEF	SBUS	18.12	16.06
tblVehicleEF	SBUS	583.28	586.94

tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.69	7.49
tblVehicleEF	SBUS	6.54	6.23
tblVehicleEF	SBUS	1.76	1.62
tblVehicleEF	SBUS	0.01	9.9990e-003
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	9.7360e-003	9.1990e-003
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.23	1.09
tblVehicleEF	SBUS	6.1830e-003	6.2220e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6020e-003	1.5660e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.24

tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.31	1.17
tblVehicleEF	SBUS	4.9080e-003	5.1130e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.50	1.59
tblVehicleEF	SBUS	1.83	1.59
tblVehicleEF	SBUS	21.58	19.06
tblVehicleEF	SBUS	505.40	508.57
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.12	6.93
tblVehicleEF	SBUS	6.86	6.54
tblVehicleEF	SBUS	1.90	1.75
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.38	1.23

tblVehicleEF	SBUS	5.3580e-003	5.3910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6610e-003	1.6170e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.47	1.31
tblVehicleEF	UBUS	4.94	4.58
tblVehicleEF	UBUS	17.81	16.92
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.94	7.57
tblVehicleEF	UBUS	2.62	2.55
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.54	1.49
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7100e-004	9.5500e-004
tblVehicleEF	UBUS	0.01	0.01

tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.64	1.59
tblVehicleEF	UBUS	5.03	4.67
tblVehicleEF	UBUS	14.85	14.13
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.40	7.06
tblVehicleEF	UBUS	2.49	2.43
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.66	0.60
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.38	1.34
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.1900e-004	9.0700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.66
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.48	1.43

tblVehicleEF	UBUS	4.94	4.59
tblVehicleEF	UBUS	17.30	16.44
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.79	7.43
tblVehicleEF	UBUS	2.60	2.54
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.51	1.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.6200e-004	9.4700e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.62	1.57
tblWoodstoves	NumberCatalytic	49.70	0.00
tblWoodstoves	NumberNoncatalytic	49.70	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2017	20.1414	226.4405	156.2013	0.1987	38.7460	10.8182	49.5642	17.5908	9.9527	27.5435	0.0000	20,139.0098	20,139.0098	5.9933	0.0000	20,264.8691
2018	22.8958	180.6491	132.0428	0.2011	20.7915	8.6466	29.4381	7.6897	7.9549	15.6446	0.0000	20,001.2631	20,001.2631	6.0229	0.0000	20,127.7443
2019	19.1216	35.4800	61.9800	0.1448	7.4965	1.6397	9.1361	2.0080	1.5452	3.5531	0.0000	12,104.4733	12,104.4733	0.9384	0.0000	12,124.1799
2020	18.6698	31.9237	59.0589	0.1448	7.4963	1.4339	8.9303	2.0079	1.3511	3.3590	0.0000	11,746.4521	11,746.4521	0.9123	0.0000	11,765.6110
2021	18.3035	28.5354	56.9623	0.1454	7.4962	1.2429	8.7391	2.0079	1.1707	3.1785	0.0000	11,693.0502	11,693.0502	0.8947	0.0000	11,711.8396
Total	99.1321	503.0288	466.2452	0.8347	82.0266	23.7812	105.8078	31.3042	21.9745	53.2787	0.0000	75,684.2485	75,684.2485	14.7617	0.0000	75,994.2439

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					
2017	4.8885	92.1501	117.2491	0.1987	15.5269	4.0484	19.5752	6.9707	4.0480	11.0187	0.0000	20,139.0098	20,139.0098	5.9933	0.0000	20,264.8691
2018	20.0403	93.2271	124.3586	0.2011	8.5928	4.2939	12.8867	3.1274	4.2935	7.4209	0.0000	20,001.2631	20,001.2631	6.0229	0.0000	20,127.7443
2019	18.3997	31.1014	62.7501	0.1448	7.4965	1.4201	8.9166	2.0080	1.3758	3.3838	0.0000	12,104.4733	12,104.4733	0.9384	0.0000	12,124.1799
2020	18.0525	28.6815	60.0415	0.1448	7.4963	1.3022	8.7986	2.0079	1.2626	3.2705	0.0000	11,746.4521	11,746.4521	0.9123	0.0000	11,765.6110
2021	17.7792	26.3070	58.1094	0.1454	7.4962	1.1890	8.6852	2.0079	1.1537	3.1616	0.0000	11,693.0502	11,693.0502	0.8947	0.0000	11,711.8396

Total	79.1602	271.4671	422.5087	0.8347	46.6087	12.2536	58.8623	16.1218	12.1335	28.2553	0.0000	75,684.24	75,684.248	14.7617	0.0000	75,994.24
												85	5			38

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	20.15	46.03	9.38	0.00	43.18	48.47	44.37	48.50	44.78	46.97	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Energy	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Mobile	27.5703	67.2335	321.0614	1.1187	72.6459	1.4942	74.1401	19.4024	1.3779	20.7803		84,056.2226	84,056.2226	2.4243		84,107.1329
Total	78.2177	75.6340	406.5228	1.1706	72.6459	3.8828	76.5287	19.4024	3.7525	23.1549	0.0000	114,766.1925	114,766.1925	3.1532	0.5603	115,006.1049

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	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Energy	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Mobile	27.5703	67.2335	321.0614	1.1187	72.6459	1.4942	74.1401	19.4024	1.3779	20.7803		84,056.2226	84,056.2226	2.4243		84,107.1329

Total	78.2177	75.6340	406.5228	1.1706	72.6459	3.8828	76.5287	19.4024	3.7525	23.1549	0.0000	114,766.1925	114,766.1925	3.1532	0.5603	115,006.1049
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	5/1/2017	5	86	
2	Site Preparation	Site Preparation	4/1/2017	6/1/2017	5	44	
3	Grading	Grading	6/1/2017	6/29/2018	5	282	
4	Wet Utilities	Trenching	1/1/2018	10/1/2018	5	196	
5	Paving	Paving	5/1/2018	11/30/2018	5	154	
6	Building Construction	Building Construction	8/1/2018	12/31/2021	5	891	
7	Architectural Coating	Architectural Coating	10/1/2018	12/31/2021	5	1043	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2115

Acres of Paving: 0

Residential Indoor: 3,623,130; Residential Outdoor: 1,207,710; Non-Residential Indoor: 13,721; Non-Residential Outdoor: 4,574

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	3	8.00	162	0.38
Grading	Graders	3	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	6	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Wet Utilities	Excavators	1	8.00	162	0.38
Wet Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	118.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Wet Utilities	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	486.00	156.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.2976	0.0000	0.2976	0.0451	0.0000	0.0451			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	0.2976	2.1252	2.4228	0.0451	1.9797	2.0248		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0228	0.3471	0.2610	1.0100e-003	0.0239	5.3900e-003	0.0293	6.5500e-003	4.9600e-003	0.0115		99.7452	99.7452	7.1000e-004		99.7602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0703	0.9281	2.1100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		168.2965	168.2965	7.9800e-003		168.4640
Total	0.0801	0.4174	1.1891	3.1200e-003	0.1916	6.5900e-003	0.1982	0.0510	6.0600e-003	0.0571		268.0417	268.0417	8.6900e-003		268.2242

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					0.1161	0.0000	0.1161	0.0176	0.0000	0.0176			0.0000			0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.1161	0.9880	1.1041	0.0176	0.9880	1.0056	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0228	0.3471	0.2610	1.0100e-003	0.0239	5.3900e-003	0.0293	6.5500e-003	4.9600e-003	0.0115		99.7452	99.7452	7.1000e-004		99.7602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0703	0.9281	2.1100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		168.2965	168.2965	7.9800e-003		168.4640
Total	0.0801	0.4174	1.1891	3.1200e-003	0.1916	6.5900e-003	0.1982	0.0510	6.0600e-003	0.0571		268.0417	268.0417	8.6900e-003		268.2242

3.3 Site Preparation - 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					

Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568
Total	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568
Total	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	15.0700	174.4011	113.0298	0.1510		8.0591	8.0591		7.4144	7.4144		15,451.5182	15,451.5182	4.7343		15,550.9389
Total	15.0700	174.4011	113.0298	0.1510	19.9979	8.0591	28.0570	7.4793	7.4144	14.8936		15,451.5182	15,451.5182	4.7343		15,550.9389

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306	482.4499	482.4499	0.0229	482.9302		
Total	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306	482.4499	482.4499	0.0229	482.9302		

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302
Total	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302

3.4 Grading - 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						
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000				0.0000
Off-Road	13.1050	149.4928	100.8719	0.1510		6.8033	6.8033		6.2590	6.2590		15,205.6442	15,205.6442	4.7337			15,305.0524
Total	13.1050	149.4928	100.8719	0.1510	19.9979	6.8033	26.8012	7.4793	6.2590	13.7383		15,205.6442	15,205.6442	4.7337			15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211			464.6658
Total	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211			464.6658

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658
Total	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658

3.5 Wet Utilities - 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	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050
Total	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804
Total	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804

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	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050
Total	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003			140.4804
Total	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003			140.4804

3.6 Paving - 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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Total	1.7305	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990			2,259.9481

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003	162.0927	
Total	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003	162.0927	

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	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6681	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927
Total	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927

3.7 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1304	11.3589	13.8598	0.0338	0.9800	0.1893	1.1693	0.2798	0.1741	0.4539		3,288.2267	3,288.2267	0.0235		3,288.7203
Worker	1.6593	2.0563	27.1816	0.0683	5.4323	0.0379	5.4702	1.4407	0.0351	1.4757		5,246.7912	5,246.7912	0.2387		5,251.8041
Total	2.7897	13.4151	41.0414	0.1021	6.4123	0.2271	6.6395	1.7205	0.2091	1.9296		8,535.0179	8,535.0179	0.2622		8,540.5244

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	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1304	11.3589	13.8598	0.0338	0.9800	0.1893	1.1693	0.2798	0.1741	0.4539		3,288.2267	3,288.2267	0.0235		3,288.7203
Worker	1.6593	2.0563	27.1816	0.0683	5.4323	0.0379	5.4702	1.4407	0.0351	1.4757		5,246.7912	5,246.7912	0.2387		5,251.8041
Total	2.7897	13.4151	41.0414	0.1021	6.4123	0.2271	6.6395	1.7205	0.2091	1.9296		8,535.0179	8,535.0179	0.2622		8,540.5244

3.7 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0715	10.4316	13.4438	0.0336	0.9799	0.1815	1.1614	0.2797	0.1670	0.4467		3,213.0343	3,213.0343	0.0227		3,213.5113
Worker	1.5100	1.8740	24.6539	0.0679	5.4323	0.0370	5.4693	1.4407	0.0343	1.4750		5,026.0813	5,026.0813	0.2201		5,030.7031
Total	2.5815	12.3056	38.0977	0.1015	6.4122	0.2185	6.6307	1.7204	0.2013	1.9217		8,239.1156	8,239.1156	0.2428		8,244.2144

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	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.0715	10.4316	13.4438	0.0336	0.9799	0.1815	1.1614	0.2797	0.1670	0.4467		3,213.0343	3,213.0343	0.0227			3,213.5113
Worker	1.5100	1.8740	24.6539	0.0679	5.4323	0.0370	5.4693	1.4407	0.0343	1.4750		5,026.0813	5,026.0813	0.2201			5,030.7031
Total	2.5815	12.3056	38.0977	0.1015	6.4122	0.2185	6.6307	1.7204	0.2013	1.9217		8,239.1156	8,239.1156	0.2428			8,244.2144

3.7 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	1.0124	9.0804	12.9670	0.0335	0.9798	0.1659	1.1457	0.2797	0.1526	0.4323	3,139.4829	3,139.4829	0.0222		3,139.9494	
Worker	1.4032	1.7302	22.8845	0.0679	5.4323	0.0369	5.4692	1.4407	0.0342	1.4749	4,820.8542	4,820.8542	0.2075		4,825.2114	
Total	2.4157	10.8106	35.8515	0.1014	6.4121	0.2028	6.6149	1.7204	0.1868	1.9072	7,960.3372	7,960.3372	0.2297		7,965.1608	

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	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0124	9.0804	12.9670	0.0335	0.9798	0.1659	1.1457	0.2797	0.1526	0.4323	3,139.4829	3,139.4829	0.0222			3,139.9494

Worker	1.4032	1.7302	22.8845	0.0679	5.4323	0.0369	5.4692	1.4407	0.0342	1.4749		4,820.8542	4,820.8542	0.2075		4,825.2114
Total	2.4157	10.8106	35.8515	0.1014	6.4121	0.2028	6.6149	1.7204	0.1868	1.9072		7,960.3372	7,960.3372	0.2297		7,965.1608

3.7 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9779	7.7227	12.5907	0.0336	0.9797	0.1490	1.1287	0.2796	0.1371	0.4167		3,148.8442	3,148.8442	0.0226		3,149.3197
Worker	1.3279	1.6220	21.6878	0.0684	5.4323	0.0374	5.4697	1.4407	0.0347	1.4754		4,768.2820	4,768.2820	0.2002		4,772.4867
Total	2.3058	9.3446	34.2785	0.1020	6.4120	0.1864	6.5984	1.7203	0.1718	1.8921		7,917.1263	7,917.1263	0.2229		7,921.8064

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	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9779	7.7227	12.5907	0.0336	0.9797	0.1490	1.1287	0.2796	0.1371	0.4167		3,148.8442	3,148.8442	0.0226		3,149.3197
Worker	1.3279	1.6220	21.6878	0.0684	5.4323	0.0374	5.4697	1.4407	0.0347	1.4754		4,768.2820	4,768.2820	0.2002		4,772.4867
Total	2.3058	9.3446	34.2785	0.1020	6.4120	0.1864	6.5984	1.7203	0.1718	1.8921		7,917.1263	7,917.1263	0.2229		7,921.8064

3.8 Architectural Coating - 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					

Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	13.9193	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3312	0.4104	5.4251	0.0136	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		1,047.1991	1,047.1991	0.0476		1,048.1996
Total	0.3312	0.4104	5.4251	0.0136	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		1,047.1991	1,047.1991	0.0476		1,048.1996

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	13.9193	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.3312	0.4104	5.4251	0.0136	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		1,047.1991	1,047.1991	0.0476			1,048.1996
Total	0.3312	0.4104	5.4251	0.0136	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		1,047.1991	1,047.1991	0.0476			1,048.1996

3.8 Architectural Coating - 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						
Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473
Total	13.8871	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3014	0.3740	4.9206	0.0136	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		1,003.1479	1,003.1479	0.0439		1,004.0704
Total	0.3014	0.3740	4.9206	0.0136	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		1,003.1479	1,003.1479	0.0439		1,004.0704

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	13.8871	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.3014	0.3740	4.9206	0.0136	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		1,003.1479	1,003.1479	0.0439		1,004.0704
Total	0.3014	0.3740	4.9206	0.0136	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		1,003.1479	1,003.1479	0.0439		1,004.0704

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	13.8628	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2801	0.3453	4.5675	0.0136	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		962.1870	962.1870	0.0414		963.0566
Total	0.2801	0.3453	4.5675	0.0136	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		962.1870	962.1870	0.0414		963.0566

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9057
Total	13.8628	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2801	0.3453	4.5675	0.0136	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		962.1870	962.1870	0.0414			963.0566
Total	0.2801	0.3453	4.5675	0.0136	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		962.1870	962.1870	0.0414			963.0566

3.8 Architectural Coating - 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					

Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	13.8396	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2650	0.3237	4.3286	0.0136	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		951.6942	951.6942	0.0400		952.5334
Total	0.2650	0.3237	4.3286	0.0136	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		951.6942	951.6942	0.0400		952.5334

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	13.8396	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2650	0.3237	4.3286	0.0136	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		951.6942	951.6942	0.0400		952.5334
Total	0.2650	0.3237	4.3286	0.0136	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		951.6942	951.6942	0.0400		952.5334

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.5703	67.2335	321.0614	1.1187	72.6459	1.4942	74.1401	19.4024	1.3779	20.7803		84,056.226	84,056.2226	2.4243		84,107.1329
Unmitigated	27.5703	67.2335	321.0614	1.1187	72.6459	1.4942	74.1401	19.4024	1.3779	20.7803		84,056.226	84,056.2226	2.4243		84,107.1329

4.2 Trip Summary Information

Average Daily Trip Rate	Unmitigated	Mitigated
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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Single Family Housing	9,512.58	10,019.52	8,717.38	32,365,213	32,365,213
Total	9,512.58	10,019.52	8,717.38	32,365,213	32,365,213

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.465544	0.065242	0.173782	0.157607	0.057427	0.009225	0.016327	0.043721	0.001116	0.001363	0.004759	0.000651	0.003237

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
NaturalGas Unmitigated	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	80859.6	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	80.8596	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

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
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Category	lb/day										lb/day					
	Mitigated	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859
Unmitigated	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

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	3.8922						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	41.4636						0.0000	0.0000		0.0000			0.0000			0.0000
Hearth	1.9295	9.0000e-005	0.1053	0.0000			1.3331	1.3331		1.3191	0.0000	21,049.4118	21,049.4118	0.4035	0.3859	21,177.5150
Landscaping	2.4901	0.9487	82.1852	4.3300e-003			0.4530	0.4530		0.4530		147.6625	147.6625	0.1431		150.6676
Total	49.7754	0.9488	82.2904	4.3300e-003			1.7862	1.7862		1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

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	3.8922						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	41.4636						0.0000	0.0000		0.0000			0.0000			0.0000

Hearth	1.9295	9.0000e-005	0.1053	0.0000		1.3331	1.3331		1.3191	1.3191	0.0000	21,049.418	21,049.4118	0.4035	0.3859	21,177.5150
Landscaping	2.4901	0.9487	82.1852	4.3300e-003		0.4530	0.4530		0.4530	0.4530		147.6625	147.6625	0.1431		150.6676
Total	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Armstrong Ranch
San Bernardino-South Coast County, Winter

Residential - Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	7.00	Acre	7.00	304,920.00	0
Single Family Housing	994.00	Dwelling Unit	191.80	1,789,200.00	2843

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project Specific Acreage Used
- Construction Phase - Applicant Provided Construction Schedule Used
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Demolition -

Grading -

Woodstoves - Project will only include gas fireplaces per SCAQMD Regulations

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,043.00
tblConstructionPhase	NumDays	3,100.00	891.00
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	310.00	282.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	12/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	5/2/2022	12/31/2021

tblConstructionPhase	PhaseEndDate	7/2/2018	6/29/2018
tblConstructionPhase	PhaseEndDate	5/3/2019	11/30/2018
tblConstructionPhase	PhaseEndDate	6/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/1/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2022	10/1/2018
tblConstructionPhase	PhaseStartDate	12/1/2018	8/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2017	6/1/2017
tblConstructionPhase	PhaseStartDate	10/2/2018	5/1/2018
tblConstructionPhase	PhaseStartDate	5/2/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	6/30/2018	1/1/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	844.90	994.00
tblFireplaces	NumberNoFireplace	99.40	0.00
tblFireplaces	NumberWood	49.70	0.00
tblLandUse	LotAcreage	322.73	191.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	3.29	3.43
tblVehicleEF	HHD	1.73	1.56
tblVehicleEF	HHD	53.84	51.93
tblVehicleEF	HHD	527.95	527.57
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04

tblVehicleEF	HHD	3.62	3.31
tblVehicleEF	HHD	3.72	2.33
tblVehicleEF	HHD	3.57	3.42
tblVehicleEF	HHD	9.4770e-003	9.1820e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	8.7190e-003	8.4470e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.58	0.61
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.39	1.22
tblVehicleEF	HHD	5.5970e-003	5.5920e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4360e-003	1.4000e-003
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.67	0.69
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.49	1.30

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	2.39	2.49
tblVehicleEF	HHD	1.75	1.57
tblVehicleEF	HHD	43.00	41.62
tblVehicleEF	HHD	559.32	558.91
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.74	3.42
tblVehicleEF	HHD	3.50	2.19
tblVehicleEF	HHD	3.42	3.28
tblVehicleEF	HHD	7.9890e-003	7.7400e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	7.3500e-003	7.1210e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.55	0.57
tblVehicleEF	HHD	2.1520e-003	2.0410e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.21	1.06
tblVehicleEF	HHD	5.9290e-003	5.9250e-003

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2600e-003	1.2340e-003
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.63	0.65
tblVehicleEF	HHD	2.1520e-003	2.0410e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.29	1.13
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	4.54	4.72
tblVehicleEF	HHD	1.74	1.56
tblVehicleEF	HHD	50.98	49.22
tblVehicleEF	HHD	484.63	484.28
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.46	3.16
tblVehicleEF	HHD	3.66	2.29
tblVehicleEF	HHD	3.53	3.39
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08

tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.63	0.66
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.35	1.18
tblVehicleEF	HHD	5.1370e-003	5.1340e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.3900e-003	1.3560e-003
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.72	0.75
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.44	1.26
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.75	0.70
tblVehicleEF	LDA	1.34	1.18
tblVehicleEF	LDA	232.89	224.48
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003

tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.91	0.84
tblVehicleEF	LDA	1.02	0.90
tblVehicleEF	LDA	252.65	243.56
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05

tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	7.5600e-004	7.5500e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.72	0.67
tblVehicleEF	LDA	1.33	1.17
tblVehicleEF	LDA	229.18	220.90
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.75	1.50
tblVehicleEF	LDT1	3.45	2.91
tblVehicleEF	LDT1	282.26	274.00
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	4.0260e-003	4.0270e-003
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10

tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	2.06	1.77
tblVehicleEF	LDT1	2.66	2.24
tblVehicleEF	LDT1	304.83	296.02
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.21	0.18
tblVehicleEF	LDT1	4.3550e-003	4.3560e-003
tblVehicleEF	LDT1	8.9500e-004	8.9100e-004
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.22	0.19

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	3.42	2.89
tblVehicleEF	LDT1	278.02	269.87
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.00	0.90
tblVehicleEF	LDT2	1.89	1.62

tblVehicleEF	LDT2	347.75	339.67
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.7210e-003	4.7190e-003
tblVehicleEF	LDT2	1.0380e-003	1.0350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.19	1.07
tblVehicleEF	LDT2	1.45	1.24
tblVehicleEF	LDT2	376.43	367.69
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17

tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.15	0.12
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	5.1140e-003	5.1110e-003
tblVehicleEF	LDT2	1.0310e-003	1.0280e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	0.96	0.86
tblVehicleEF	LDT2	1.88	1.61
tblVehicleEF	LDT2	342.36	334.41
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003

tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.6470e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0340e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.14	0.11
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.41	3.09
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.04	0.90
tblVehicleEF	LHD1	1.17	1.10
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.31	0.27
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8700e-004	4.8300e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.33	0.29
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.80	0.67

tblVehicleEF	LHD1	2.74	2.49
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.97	0.83
tblVehicleEF	LHD1	1.13	1.06
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.28	0.24
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.7600e-004	4.7300e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.29	0.26
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.21	2.91
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.02	0.88
tblVehicleEF	LHD1	1.16	1.09
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003

tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.30	0.26
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8400e-004	4.8000e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.83	1.68
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.52	1.30
tblVehicleEF	LHD2	0.74	0.69
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1200e-004	3.1000e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.48	1.36
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.43	1.22

tblVehicleEF	LHD2	0.71	0.67
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.0600e-004	3.0500e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51

tblVehicleEF	LHD2	1.73	1.58
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.50	1.28
tblVehicleEF	LHD2	0.73	0.68
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.17	0.14
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1000e-004	3.0900e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.18	0.17

tblVehicleEF	LHD2	0.18	0.15
tblVehicleEF	MCY	20.66	20.25
tblVehicleEF	MCY	10.10	10.15
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.17	1.16
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.35	2.34
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.06	2.04
tblVehicleEF	MCY	1.9590e-003	1.9610e-003
tblVehicleEF	MCY	6.4600e-004	6.4000e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.59	2.57
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	20.46	20.06
tblVehicleEF	MCY	8.84	8.85
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48

tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.31	2.29
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.80	1.79
tblVehicleEF	MCY	1.9550e-003	1.9570e-003
tblVehicleEF	MCY	6.1800e-004	6.1200e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.54	2.53
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.93	1.92
tblVehicleEF	MCY	20.17	19.77
tblVehicleEF	MCY	9.80	9.84
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004

tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.34	2.32
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	1.9510e-003	1.9530e-003
tblVehicleEF	MCY	6.3900e-004	6.3400e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.57	2.55
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.15	2.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.57	1.36
tblVehicleEF	MDV	3.36	2.91
tblVehicleEF	MDV	463.01	452.65
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.10	0.09

tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.28	0.24
tblVehicleEF	MDV	6.0300e-003	6.0310e-003
tblVehicleEF	MDV	1.3360e-003	1.3310e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.86	1.63
tblVehicleEF	MDV	2.57	2.23
tblVehicleEF	MDV	500.86	489.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.03

tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	6.5280e-003	6.5290e-003
tblVehicleEF	MDV	1.3230e-003	1.3190e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.25	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.50	1.31
tblVehicleEF	MDV	3.33	2.89
tblVehicleEF	MDV	455.91	445.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.28	0.23
tblVehicleEF	MDV	1.3360e-003	1.3300e-003

tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.56	4.94
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.66	0.61
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0500e-004	3.9400e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.37	1.09

tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	1.18	0.79
tblVehicleEF	MH	4.41	3.95
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.07	0.93
tblVehicleEF	MH	0.63	0.58
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	6.5800e-003	6.5760e-003
tblVehicleEF	MH	3.8600e-004	3.7700e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.25	4.68
tblVehicleEF	MH	598.16	598.43

tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.14	0.99
tblVehicleEF	MH	0.65	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.30	0.26
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0000e-004	3.8900e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.32	0.28
tblVehicleEF	MHD	7.8620e-003	8.1640e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.99	2.08
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	13.05	11.21
tblVehicleEF	MHD	572.41	572.27
tblVehicleEF	MHD	919.98	916.77

tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.80	3.39
tblVehicleEF	MHD	1.20	0.88
tblVehicleEF	MHD	1.47	1.29
tblVehicleEF	MHD	8.1320e-003	7.7330e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	7.4820e-003	7.1140e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.77	0.66
tblVehicleEF	MHD	6.0680e-003	6.0660e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.7600e-004	7.4400e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.19	0.20
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.10	0.09

tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.82	0.71
tblVehicleEF	MHD	7.4100e-003	7.6930e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.45	1.51
tblVehicleEF	MHD	0.54	0.45
tblVehicleEF	MHD	10.40	8.98
tblVehicleEF	MHD	606.42	606.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.92	3.50
tblVehicleEF	MHD	1.13	0.82
tblVehicleEF	MHD	1.41	1.24
tblVehicleEF	MHD	6.8560e-003	6.5190e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	6.3070e-003	5.9970e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.36

tblVehicleEF	MHD	0.68	0.59
tblVehicleEF	MHD	6.4280e-003	6.4270e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.3200e-004	7.0700e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.72	0.63
tblVehicleEF	MHD	8.4880e-003	8.8130e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	2.75	2.86
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	12.35	10.62
tblVehicleEF	MHD	525.45	525.31
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.63	3.24
tblVehicleEF	MHD	1.18	0.86
tblVehicleEF	MHD	1.46	1.28
tblVehicleEF	MHD	9.8950e-003	9.4090e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	9.1040e-003	8.6570e-003
tblVehicleEF	MHD	0.05	0.05

tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.75	0.65
tblVehicleEF	MHD	5.5700e-003	5.5690e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.6400e-004	7.3400e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.21	0.22
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	3.04	3.30
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.54	8.41
tblVehicleEF	OBUS	534.43	533.48
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	32.73	32.73
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.88	3.20

tblVehicleEF	OBUS	1.47	0.99
tblVehicleEF	OBUS	1.34	1.19
tblVehicleEF	OBUS	9.0830e-003	8.7920e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	8.3560e-003	8.0880e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.52	0.56
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	5.6650e-003	5.6550e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.3100e-004	5.1100e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.61	0.54
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	2.21	2.40
tblVehicleEF	OBUS	1.14	0.91
tblVehicleEF	OBUS	7.63	6.74
tblVehicleEF	OBUS	566.19	565.17
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	4.00	3.30
tblVehicleEF	OBUS	1.37	0.92
tblVehicleEF	OBUS	1.28	1.14
tblVehicleEF	OBUS	7.6570e-003	7.4120e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	7.0440e-003	6.8190e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.51	0.45
tblVehicleEF	OBUS	6.0020e-003	5.9910e-003
tblVehicleEF	OBUS	9.8270e-003	9.8080e-003
tblVehicleEF	OBUS	4.9900e-004	4.8300e-004

tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.55	0.60
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	4.19	4.55
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.03	7.97
tblVehicleEF	OBUS	490.59	489.71
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.71	3.06
tblVehicleEF	OBUS	1.45	0.97
tblVehicleEF	OBUS	1.32	1.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03

tblVehicleEF	OBUS	0.56	0.60
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	5.2000e-003	5.1910e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.2200e-004	5.0400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.63	0.69
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	SBUS	4.5470e-003	4.7360e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.09	1.15
tblVehicleEF	SBUS	1.84	1.59
tblVehicleEF	SBUS	21.62	19.07
tblVehicleEF	SBUS	550.57	554.02
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	115.30	115.30
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.45	7.25
tblVehicleEF	SBUS	6.96	6.63
tblVehicleEF	SBUS	1.88	1.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.37	1.22
tblVehicleEF	SBUS	5.8360e-003	5.8730e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6620e-003	1.6170e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.47	1.30
tblVehicleEF	SBUS	4.2850e-003	4.4640e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	0.79	0.84
tblVehicleEF	SBUS	1.88	1.63
tblVehicleEF	SBUS	18.12	16.06
tblVehicleEF	SBUS	583.28	586.94

tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.69	7.49
tblVehicleEF	SBUS	6.54	6.23
tblVehicleEF	SBUS	1.76	1.62
tblVehicleEF	SBUS	0.01	9.9990e-003
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	9.7360e-003	9.1990e-003
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.23	1.09
tblVehicleEF	SBUS	6.1830e-003	6.2220e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6020e-003	1.5660e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.24

tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.31	1.17
tblVehicleEF	SBUS	4.9080e-003	5.1130e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.50	1.59
tblVehicleEF	SBUS	1.83	1.59
tblVehicleEF	SBUS	21.58	19.06
tblVehicleEF	SBUS	505.40	508.57
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.12	6.93
tblVehicleEF	SBUS	6.86	6.54
tblVehicleEF	SBUS	1.90	1.75
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tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.38	1.23

tblVehicleEF	SBUS	5.3580e-003	5.3910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6610e-003	1.6170e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.47	1.31
tblVehicleEF	UBUS	4.94	4.58
tblVehicleEF	UBUS	17.81	16.92
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.94	7.57
tblVehicleEF	UBUS	2.62	2.55
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.54	1.49
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7100e-004	9.5500e-004
tblVehicleEF	UBUS	0.01	0.01

tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.64	1.59
tblVehicleEF	UBUS	5.03	4.67
tblVehicleEF	UBUS	14.85	14.13
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.40	7.06
tblVehicleEF	UBUS	2.49	2.43
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.66	0.60
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.38	1.34
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.1900e-004	9.0700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.66
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.48	1.43

tblVehicleEF	UBUS	4.94	4.59
tblVehicleEF	UBUS	17.30	16.44
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.79	7.43
tblVehicleEF	UBUS	2.60	2.54
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.51	1.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.6200e-004	9.4700e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.62	1.57
tblWoodstoves	NumberCatalytic	49.70	0.00
tblWoodstoves	NumberNoncatalytic	49.70	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2017	20.1265	226.4598	155.6451	0.1979	38.7460	10.8182	49.5642	17.5908	9.9527	27.5435	0.0000	20,077.9418	20,077.9418	5.9933	0.0000	20,203.8011
2018	22.8250	180.6691	131.4470	0.2002	20.7915	8.6466	29.4381	7.6897	7.9549	15.6446	0.0000	19,932.7936	19,932.7936	6.0229	0.0000	20,059.2748
2019	19.0644	35.8887	59.7841	0.1372	7.4965	1.6413	9.1377	2.0080	1.5466	3.5546	0.0000	11,538.5519	11,538.5519	0.9392	0.0000	11,558.2746
2020	18.6185	32.2767	57.1392	0.1371	7.4963	1.4353	8.9316	2.0079	1.3523	3.3602	0.0000	11,202.4400	11,202.4400	0.9131	0.0000	11,221.6155
2021	18.2553	28.8437	55.2014	0.1377	7.4962	1.2440	8.7402	2.0079	1.1717	3.1796	0.0000	11,153.4917	11,153.4917	0.8956	0.0000	11,172.2984
Total	98.8897	504.1380	459.2167	0.8101	82.0266	23.7853	105.8119	31.3042	21.9782	53.2824	0.0000	73,905.2189	73,905.2189	14.7641	0.0000	74,215.2644

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					
2017	4.8736	92.1694	116.6929	0.1979	15.5269	4.0484	19.5752	6.9707	4.0480	11.0187	0.0000	20,077.9418	20,077.9418	5.9933	0.0000	20,203.8011
2018	19.9695	93.2471	123.7627	0.2002	8.5928	4.2939	12.8867	3.1274	4.2935	7.4209	0.0000	19,932.7936	19,932.7936	6.0229	0.0000	20,059.2748
2019	18.3426	31.5101	60.5543	0.1372	7.4965	1.4217	8.9182	2.0080	1.3773	3.3852	0.0000	11,538.5519	11,538.5519	0.9392	0.0000	11,558.2746
2020	18.0012	29.0345	58.1218	0.1371	7.4963	1.3036	8.7999	2.0079	1.2638	3.2717	0.0000	11,202.4400	11,202.4400	0.9131	0.0000	11,221.6155
2021	17.7310	26.6152	56.3485	0.1377	7.4962	1.1901	8.6863	2.0079	1.1547	3.1626	0.0000	11,153.4917	11,153.4917	0.8956	0.0000	11,172.2984

Total	78.9179	272.5763	415.4802	0.8101	46.6087	12.2577	58.8664	16.1218	12.1373	28.2591	0.0000	73,905.2188	73,905.2188	14.7641	0.0000	74,215.2643
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	20.20	45.93	9.52	0.00	43.18	48.47	44.37	48.50	44.78	46.96	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Energy	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Mobile	26.6644	70.1356	300.4700	1.0422	72.6459	1.4987	74.1446	19.4024	1.3820	20.7845		78,773.0747	78,773.0747	2.4285		78,824.0740
Total	77.3118	78.5361	385.9314	1.0941	72.6459	3.8873	76.5332	19.4024	3.7566	23.1591	0.0000	109,483.0446	109,483.0446	3.1574	0.5603	109,723.0460

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	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Energy	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Mobile	26.6644	70.1356	300.4700	1.0422	72.6459	1.4987	74.1446	19.4024	1.3820	20.7845		78,773.0747	78,773.0747	2.4285		78,824.0740

Total	77.3118	78.5361	385.9314	1.0941	72.6459	3.8873	76.5332	19.4024	3.7566	23.1591	0.0000	109,483.0 446	109,483.04 46	3.1574	0.5603	109,723.0 460
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	5/1/2017	5	86	
2	Site Preparation	Site Preparation	4/1/2017	6/1/2017	5	44	
3	Grading	Grading	6/1/2017	6/29/2018	5	282	
4	Wet Utilities	Trenching	1/1/2018	10/1/2018	5	196	
5	Paving	Paving	5/1/2018	11/30/2018	5	154	
6	Building Construction	Building Construction	8/1/2018	12/31/2021	5	891	
7	Architectural Coating	Architectural Coating	10/1/2018	12/31/2021	5	1043	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2115

Acres of Paving: 0

Residential Indoor: 3,623,130; Residential Outdoor: 1,207,710; Non-Residential Indoor: 13,721; Non-Residential Outdoor: 4,574

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	3	8.00	162	0.38
Grading	Graders	3	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	6	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Wet Utilities	Excavators	1	8.00	162	0.38
Wet Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	118.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Wet Utilities	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	486.00	156.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.2976	0.0000	0.2976	0.0451	0.0000	0.0451			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	0.2976	2.1252	2.4228	0.0451	1.9797	2.0248		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0237	0.3608	0.2902	1.0000e-003	0.0239	5.4000e-003	0.0293	6.5500e-003	4.9700e-003	0.0115		99.5065	99.5065	7.2000e-004		99.5217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0751	0.7914	1.9200e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		153.2798	153.2798	7.9800e-003		153.4473
Total	0.0773	0.4359	1.0815	2.9200e-003	0.1916	6.6000e-003	0.1982	0.0510	6.0700e-003	0.0571		252.7863	252.7863	8.7000e-003		252.9690

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					0.1161	0.0000	0.1161	0.0176	0.0000	0.0176			0.0000			0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.1161	0.9880	1.1041	0.0176	0.9880	1.0056	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0237	0.3608	0.2902	1.0000e-003	0.0239	5.4000e-003	0.0293	6.5500e-003	4.9700e-003	0.0115		99.5065	99.5065	7.2000e-004		99.5217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0751	0.7914	1.9200e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		153.2798	153.2798	7.9800e-003		153.4473
Total	0.0773	0.4359	1.0815	2.9200e-003	0.1916	6.6000e-003	0.1982	0.0510	6.0700e-003	0.0571		252.7863	252.7863	8.7000e-003		252.9690

3.3 Site Preparation - 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					

Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368
Total	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368
Total	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	15.0700	174.4011	113.0298	0.1510		8.0591	8.0591		7.4144	7.4144		15,451.5182	15,451.5182	4.7343		15,550.9389
Total	15.0700	174.4011	113.0298	0.1510	19.9979	8.0591	28.0570	7.4793	7.4144	14.8936		15,451.5182	15,451.5182	4.7343		15,550.9389

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823
Total	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823
Total	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	13.1050	149.4928	100.8719	0.1510		6.8033	6.8033		6.2590	6.2590		15,205.6442	15,205.6442	4.7337		15,305.0524
Total	13.1050	149.4928	100.8719	0.1510	19.9979	6.8033	26.8012	7.4793	6.2590	13.7383		15,205.6442	15,205.6442	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983
Total	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000				0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,205.6441	15,205.6441	4.7337			15,305.0524
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,205.6441	15,205.6441	4.7337			15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211			423.1983
Total	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211			423.1983

3.5 Wet Utilities - 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	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050
Total	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437
Total	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437

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	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050

Total	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050
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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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437
Total	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437

3.6 Paving - 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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7305	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273
Total	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273

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	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6681	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

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
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456	147.4726	147.4726	7.3700e-003	147.6273	
Total	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003	147.6273

3.7 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1999	11.6507	16.1718	0.0336	0.9800	0.1910	1.1710	0.2798	0.1757	0.4555		3,260.5085	3,260.5085	0.0243		3,261.0179

Worker	1.5477	2.1931	23.1032	0.0621	5.4323	0.0379	5.4702	1.4407	0.0351	1.4757		4,778.1124	4,778.1124	0.2387		4,783.1253
Total	2.7476	13.8437	39.2750	0.0957	6.4123	0.2289	6.6412	1.7205	0.2108	1.9312		8,038.6209	8,038.6209	0.2630		8,044.1432

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	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1999	11.6507	16.1718	0.0336	0.9800	0.1910	1.1710	0.2798	0.1757	0.4555		3,260.5085	3,260.5085	0.0243		3,261.0179
Worker	1.5477	2.1931	23.1032	0.0621	5.4323	0.0379	5.4702	1.4407	0.0351	1.4757		4,778.1124	4,778.1124	0.2387		4,783.1253
Total	2.7476	13.8437	39.2750	0.0957	6.4123	0.2289	6.6412	1.7205	0.2108	1.9312		8,038.6209	8,038.6209	0.2630		8,044.1432

3.7 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279			2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279			2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.1377	10.6922	15.7276	0.0333	0.9799	0.1831	1.1630	0.2797	0.1684	0.4482		3,185.7309	3,185.7309	0.0235			3,186.2240
Worker	1.4071	1.9974	20.9196	0.0618	5.4323	0.0370	5.4693	1.4407	0.0343	1.4750		4,577.0789	4,577.0789	0.2201			4,581.7007
Total	2.5449	12.6896	36.6471	0.0951	6.4122	0.2201	6.6323	1.7204	0.2027	1.9231		7,762.8098	7,762.8098	0.2436			7,767.9247

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1377	10.6922	15.7276	0.0333	0.9799	0.1831	1.1630	0.2797	0.1684	0.4482		3,185.7309	3,185.7309	0.0235		3,186.2240
Worker	1.4071	1.9974	20.9196	0.0618	5.4323	0.0370	5.4693	1.4407	0.0343	1.4750		4,577.0789	4,577.0789	0.2201		4,581.7007
Total	2.5449	12.6896	36.6471	0.0951	6.4122	0.2201	6.6323	1.7204	0.2027	1.9231		7,762.8098	7,762.8098	0.2436		7,767.9247

3.7 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.0750	9.2985	15.2528	0.0333	0.9798	0.1673	1.1470	0.2797	0.1539	0.4335		3,112.7199	3,112.7199	0.0230			3,113.2029
Worker	1.3084	1.8427	19.3788	0.0618	5.4323	0.0369	5.4692	1.4407	0.0342	1.4749		4,389.6655	4,389.6655	0.2075			4,394.0226
Total	2.3833	11.1411	34.6316	0.0950	6.4121	0.2041	6.6162	1.7204	0.1881	1.9084		7,502.3853	7,502.3853	0.2305			7,507.2255

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	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194			2,555.4880
Total	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194			2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0750	9.2985	15.2528	0.0333	0.9798	0.1673	1.1470	0.2797	0.1539	0.4335		3,112.7199	3,112.7199	0.0230		3,113.2029
Worker	1.3084	1.8427	19.3788	0.0618	5.4323	0.0369	5.4692	1.4407	0.0342	1.4749		4,389.6655	4,389.6655	0.2075		4,394.0226
Total	2.3833	11.1411	34.6316	0.0950	6.4121	0.2041	6.6162	1.7204	0.1881	1.9084		7,502.3853	7,502.3853	0.2305		7,507.2255

3.7 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0372	7.9061	14.8694	0.0334	0.9797	0.1502	1.1298	0.2796	0.1381	0.4178		3,122.0781	3,122.0781	0.0235		3,122.5709
Worker	1.2383	1.7261	18.3202	0.0622	5.4323	0.0374	5.4697	1.4407	0.0347	1.4754		4,340.8084	4,340.8084	0.2002		4,345.0131
Total	2.2755	9.6321	33.1897	0.0955	6.4120	0.1876	6.5996	1.7203	0.1728	1.8931		7,462.8866	7,462.8866	0.2237		7,467.5841

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	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0372	7.9061	14.8694	0.0334	0.9797	0.1502	1.1298	0.2796	0.1381	0.4178		3,122.0781	3,122.0781	0.0235		3,122.5709
Worker	1.2383	1.7261	18.3202	0.0622	5.4323	0.0374	5.4697	1.4407	0.0347	1.4754		4,340.8084	4,340.8084	0.2002		4,345.0131

Total	2.2755	9.6321	33.1897	0.0955	6.4120	0.1876	6.5996	1.7203	0.1728	1.8931		7,462.8866	7,462.8866	0.2237		7,467.5841
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3.8 Architectural Coating - 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					
Archit. Coating	13.6207						0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	13.9193	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3089	0.4377	4.6111	0.0124	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		953.6562	953.6562	0.0476		954.6567
Total	0.3089	0.4377	4.6111	0.0124	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		953.6562	953.6562	0.0476		954.6567

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	13.9193	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3089	0.4377	4.6111	0.0124	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		953.6562	953.6562	0.0476		954.6567
Total	0.3089	0.4377	4.6111	0.0124	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		953.6562	953.6562	0.0476		954.6567

3.8 Architectural Coating - 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					

Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	13.8871	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2809	0.3987	4.1753	0.0123	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		913.5322	913.5322	0.0439		914.4547
Total	0.2809	0.3987	4.1753	0.0123	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		913.5322	913.5322	0.0439		914.4547

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	13.6207						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	13.8871	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2809	0.3987	4.1753	0.0123	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		913.5322	913.5322	0.0439		914.4547
Total	0.2809	0.3987	4.1753	0.0123	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		913.5322	913.5322	0.0439		914.4547

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	13.8628	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2611	0.3678	3.8678	0.0123	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		876.1267	876.1267	0.0414		876.9963
Total	0.2611	0.3678	3.8678	0.0123	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		876.1267	876.1267	0.0414		876.9963

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	13.8628	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2611	0.3678	3.8678	0.0123	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		876.1267	876.1267	0.0414		876.9963
Total	0.2611	0.3678	3.8678	0.0123	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		876.1267	876.1267	0.0414		876.9963

3.8 Architectural Coating - 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						
Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537
Total	13.8396	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2472	0.3445	3.6565	0.0124	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		866.3754	866.3754	0.0400		867.2146
Total	0.2472	0.3445	3.6565	0.0124	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		866.3754	866.3754	0.0400		867.2146

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	13.8396	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2472	0.3445	3.6565	0.0124	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		866.3754	866.3754	0.0400		867.2146
Total	0.2472	0.3445	3.6565	0.0124	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		866.3754	866.3754	0.0400		867.2146

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.6644	70.1356	300.4700	1.0422	72.6459	1.4987	74.1446	19.4024	1.3820	20.7845		78,773.0747	78,773.0747	2.4285		78,824.0740
Unmitigated	26.6644	70.1356	300.4700	1.0422	72.6459	1.4987	74.1446	19.4024	1.3820	20.7845		78,773.0747	78,773.0747	2.4285		78,824.0740

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Single Family Housing	9,512.58	10,019.52	8,717.38	32,365,213	32,365,213
Total	9,512.58	10,019.52	8,717.38	32,365,213	32,365,213

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.465544	0.065242	0.173782	0.157607	0.057427	0.009225	0.016327	0.043721	0.001116	0.001363	0.004759	0.000651	0.003237

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
NaturalGas Unmitigated	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	80859.6	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Total		0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Single Family Housing	80.8596	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

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	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Unmitigated	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

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	3.8922					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.4636					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.9295	9.0000e-005	0.1053	0.0000		1.3331	1.3331		1.3191	1.3191	0.0000	21,049.4718	21,049.4118	0.4035	0.3859	21,177.5150

Landscaping	2.4901	0.9487	82.1852	4.3300e-003		0.4530	0.4530		0.4530	0.4530		147.6625	147.6625	0.1431		150.6676
Total	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

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	3.8922					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.4636					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.9295	9.0000e-005	0.1053	0.0000		1.3331	1.3331		1.3191	1.3191	0.0000	21,049.4118	21,049.4118	0.4035	0.3859	21,177.5150
Landscaping	2.4901	0.9487	82.1852	4.3300e-003		0.4530	0.4530		0.4530	0.4530			147.6625	147.6625	0.1431	150.6676
Total	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Armstrong Ranch
San Bernardino-South Coast County, Summer

School - Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	1,000.00	Student	10.00	83,603.37	0
Other Asphalt Surfaces	7.00	Acre	7.00	304,920.00	0
Single Family Housing	944.00	Dwelling Unit	181.80	1,699,200.00	2700

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project Specific Acreage Used
- Construction Phase - Applicant Provided Construction Schedule Used
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment - Project Applicant Provided Equipment Counts Used

Demolition -

Grading -

Vehicle Trips - Trip rate from project traffic engineer used

Woodstoves - Project will only include gas fireplaces per SCAQMD Regulations

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	3,100.00	891.00
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	310.00	282.00
tblConstructionPhase	NumDays	220.00	154.00

tblConstructionPhase	NumDays	120.00	44.00
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tblConstructionPhase	PhaseEndDate	5/2/2022	12/31/2021
tblConstructionPhase	PhaseEndDate	7/2/2018	6/29/2018
tblConstructionPhase	PhaseEndDate	5/3/2019	11/30/2018
tblConstructionPhase	PhaseEndDate	6/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/1/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2022	10/1/2018
tblConstructionPhase	PhaseStartDate	12/1/2018	8/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2017	6/1/2017
tblConstructionPhase	PhaseStartDate	10/2/2018	5/1/2018
tblConstructionPhase	PhaseStartDate	5/2/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	6/30/2018	1/1/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	802.40	944.00
tblFireplaces	NumberNoFireplace	94.40	0.00
tblFireplaces	NumberWood	47.20	0.00
tblLandUse	LotAcreage	1.92	10.00
tblLandUse	LotAcreage	306.49	181.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
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tblVehicleEF	HHD	53.84	51.93

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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
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tblVehicleEF	HHD	8.0700e-004	6.8100e-004

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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	LDA	0.20	0.19
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tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
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tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.08	0.07
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tblVehicleEF	LDA	0.08	0.07
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tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
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tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03

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tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.77	0.70
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tblVehicleEF	LDT1	0.02	0.02
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tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.21	0.18
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tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25

tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.22	0.19
tblVehicleEF	LDT1	0.02	0.02
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tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.27	0.22

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.00	0.90
tblVehicleEF	LDT2	1.89	1.62
tblVehicleEF	LDT2	347.75	339.67
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.7210e-003	4.7190e-003
tblVehicleEF	LDT2	1.0380e-003	1.0350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.19	1.07

tblVehicleEF	LDT2	1.45	1.24
tblVehicleEF	LDT2	376.43	367.69
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.15	0.12
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	5.1140e-003	5.1110e-003
tblVehicleEF	LDT2	1.0310e-003	1.0280e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	0.96	0.86
tblVehicleEF	LDT2	1.88	1.61
tblVehicleEF	LDT2	342.36	334.41
tblVehicleEF	LDT2	75.73	73.83

tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.6470e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0340e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.14	0.11
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.41	3.09
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06

tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.04	0.90
tblVehicleEF	LHD1	1.17	1.10
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.31	0.27
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8700e-004	4.8300e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.33	0.29
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003

tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.80	0.67
tblVehicleEF	LHD1	2.74	2.49
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.97	0.83
tblVehicleEF	LHD1	1.13	1.06
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.28	0.24
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003

tblVehicleEF	LHD1	4.7600e-004	4.7300e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.29	0.26
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.21	2.91
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.02	0.88
tblVehicleEF	LHD1	1.16	1.09
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004

tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.30	0.26
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8400e-004	4.8000e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.83	1.68
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.52	1.30
tblVehicleEF	LHD2	0.74	0.69
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1200e-004	3.1000e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.48	1.36
tblVehicleEF	LHD2	498.03	497.83

tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.43	1.22
tblVehicleEF	LHD2	0.71	0.67
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.0600e-004	3.0500e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004

tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.73	1.58
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.50	1.28
tblVehicleEF	LHD2	0.73	0.68
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.17	0.14
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1000e-004	3.0900e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.18	0.15
tblVehicleEF	MCY	20.66	20.25
tblVehicleEF	MCY	10.10	10.15
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.17	1.16
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.35	2.34
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.06	2.04
tblVehicleEF	MCY	1.9590e-003	1.9610e-003
tblVehicleEF	MCY	6.4600e-004	6.4000e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.59	2.57
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.21	2.19

tblVehicleEF	MCY	20.46	20.06
tblVehicleEF	MCY	8.84	8.85
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.31	2.29
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.80	1.79
tblVehicleEF	MCY	1.9550e-003	1.9570e-003
tblVehicleEF	MCY	6.1800e-004	6.1200e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.54	2.53
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.93	1.92
tblVehicleEF	MCY	20.17	19.77
tblVehicleEF	MCY	9.80	9.84
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003

tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.34	2.32
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	1.9510e-003	1.9530e-003
tblVehicleEF	MCY	6.3900e-004	6.3400e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.57	2.55
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.15	2.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.57	1.36
tblVehicleEF	MDV	3.36	2.91
tblVehicleEF	MDV	463.01	452.65
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003

tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.28	0.24
tblVehicleEF	MDV	6.0300e-003	6.0310e-003
tblVehicleEF	MDV	1.3360e-003	1.3310e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.86	1.63
tblVehicleEF	MDV	2.57	2.23
tblVehicleEF	MDV	500.86	489.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003

tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	6.5280e-003	6.5290e-003
tblVehicleEF	MDV	1.3230e-003	1.3190e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.25	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.50	1.31
tblVehicleEF	MDV	3.33	2.89
tblVehicleEF	MDV	455.91	445.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08

tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.28	0.23
tblVehicleEF	MDV	1.3360e-003	1.3300e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.56	4.94
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.66	0.61
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0500e-004	3.9400e-004
tblVehicleEF	MH	0.94	0.77

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	1.18	0.79
tblVehicleEF	MH	4.41	3.95
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.07	0.93
tblVehicleEF	MH	0.63	0.58
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	6.5800e-003	6.5760e-003
tblVehicleEF	MH	3.8600e-004	3.7700e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	1.37	1.08

tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.25	4.68
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.14	0.99
tblVehicleEF	MH	0.65	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.30	0.26
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0000e-004	3.8900e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.32	0.28
tblVehicleEF	MHD	7.8620e-003	8.1640e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.99	2.08

tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	13.05	11.21
tblVehicleEF	MHD	572.41	572.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.80	3.39
tblVehicleEF	MHD	1.20	0.88
tblVehicleEF	MHD	1.47	1.29
tblVehicleEF	MHD	8.1320e-003	7.7330e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	7.4820e-003	7.1140e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.77	0.66
tblVehicleEF	MHD	6.0680e-003	6.0660e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.7600e-004	7.4400e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003

tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.19	0.20
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.82	0.71
tblVehicleEF	MHD	7.4100e-003	7.6930e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.45	1.51
tblVehicleEF	MHD	0.54	0.45
tblVehicleEF	MHD	10.40	8.98
tblVehicleEF	MHD	606.42	606.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.92	3.50
tblVehicleEF	MHD	1.13	0.82
tblVehicleEF	MHD	1.41	1.24
tblVehicleEF	MHD	6.8560e-003	6.5190e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	6.3070e-003	5.9970e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.68	0.59
tblVehicleEF	MHD	6.4280e-003	6.4270e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.3200e-004	7.0700e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.72	0.63
tblVehicleEF	MHD	8.4880e-003	8.8130e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	2.75	2.86
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	12.35	10.62
tblVehicleEF	MHD	525.45	525.31
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.63	3.24
tblVehicleEF	MHD	1.18	0.86
tblVehicleEF	MHD	1.46	1.28
tblVehicleEF	MHD	9.8950e-003	9.4090e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	9.1040e-003	8.6570e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.75	0.65
tblVehicleEF	MHD	5.5700e-003	5.5690e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.6400e-004	7.3400e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.21	0.22
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	3.04	3.30
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.54	8.41
tblVehicleEF	OBUS	534.43	533.48

tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	32.73	32.73
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.88	3.20
tblVehicleEF	OBUS	1.47	0.99
tblVehicleEF	OBUS	1.34	1.19
tblVehicleEF	OBUS	9.0830e-003	8.7920e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	8.3560e-003	8.0880e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.52	0.56
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	5.6650e-003	5.6550e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
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tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004

tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.61	0.54
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	2.21	2.40
tblVehicleEF	OBUS	1.14	0.91
tblVehicleEF	OBUS	7.63	6.74
tblVehicleEF	OBUS	566.19	565.17
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	4.00	3.30
tblVehicleEF	OBUS	1.37	0.92
tblVehicleEF	OBUS	1.28	1.14
tblVehicleEF	OBUS	7.6570e-003	7.4120e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	7.0440e-003	6.8190e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29

tblVehicleEF	OBUS	0.51	0.45
tblVehicleEF	OBUS	6.0020e-003	5.9910e-003
tblVehicleEF	OBUS	9.8270e-003	9.8080e-003
tblVehicleEF	OBUS	4.9900e-004	4.8300e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.55	0.60
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	4.19	4.55
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.03	7.97
tblVehicleEF	OBUS	490.59	489.71
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.71	3.06
tblVehicleEF	OBUS	1.45	0.97
tblVehicleEF	OBUS	1.32	1.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
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tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.56	0.60
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	5.2000e-003	5.1910e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.2200e-004	5.0400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.63	0.69
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	SBUS	4.5470e-003	4.7360e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.09	1.15
tblVehicleEF	SBUS	1.84	1.59
tblVehicleEF	SBUS	21.62	19.07
tblVehicleEF	SBUS	550.57	554.02
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	115.30	115.30
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.45	7.25
tblVehicleEF	SBUS	6.96	6.63

tblVehicleEF	SBUS	1.88	1.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.37	1.22
tblVehicleEF	SBUS	5.8360e-003	5.8730e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6620e-003	1.6170e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.47	1.30
tblVehicleEF	SBUS	4.2850e-003	4.4640e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003

tblVehicleEF	SBUS	0.79	0.84
tblVehicleEF	SBUS	1.88	1.63
tblVehicleEF	SBUS	18.12	16.06
tblVehicleEF	SBUS	583.28	586.94
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.69	7.49
tblVehicleEF	SBUS	6.54	6.23
tblVehicleEF	SBUS	1.76	1.62
tblVehicleEF	SBUS	0.01	9.9990e-003
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	9.7360e-003	9.1990e-003
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.23	1.09
tblVehicleEF	SBUS	6.1830e-003	6.2220e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6020e-003	1.5660e-003
tblVehicleEF	SBUS	0.06	0.05

tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.31	1.17
tblVehicleEF	SBUS	4.9080e-003	5.1130e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.50	1.59
tblVehicleEF	SBUS	1.83	1.59
tblVehicleEF	SBUS	21.58	19.06
tblVehicleEF	SBUS	505.40	508.57
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.12	6.93
tblVehicleEF	SBUS	6.86	6.54
tblVehicleEF	SBUS	1.90	1.75
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.11	0.11

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.38	1.23
tblVehicleEF	SBUS	5.3580e-003	5.3910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6610e-003	1.6170e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.47	1.31
tblVehicleEF	UBUS	4.94	4.58
tblVehicleEF	UBUS	17.81	16.92
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.94	7.57
tblVehicleEF	UBUS	2.62	2.55
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.23	1.26

tblVehicleEF	UBUS	1.54	1.49
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7100e-004	9.5500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.64	1.59
tblVehicleEF	UBUS	5.03	4.67
tblVehicleEF	UBUS	14.85	14.13
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.40	7.06
tblVehicleEF	UBUS	2.49	2.43
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.66	0.60
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.38	1.34
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.1900e-004	9.0700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19

tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.66
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.48	1.43
tblVehicleEF	UBUS	4.94	4.59
tblVehicleEF	UBUS	17.30	16.44
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.79	7.43
tblVehicleEF	UBUS	2.60	2.54
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.51	1.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.6200e-004	9.4700e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.62	1.57
tblVehicleTrips	WD_TR	1.29	0.51

tblWoodstoves	NumberCatalytic	47.20	0.00
tblWoodstoves	NumberNoncatalytic	47.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2017	20.1414	226.4405	156.2013	0.1987	38.7460	10.8182	49.5642	17.5908	9.9527	27.5435	0.0000	20,139.0098	20,139.0098	5.9933	0.0000	20,264.8691
2018	30.7874	180.6491	132.0428	0.2011	20.7915	8.6466	29.4381	7.6897	7.9549	15.6446	0.0000	20,001.2631	20,001.2631	6.0229	0.0000	20,127.7443
2019	27.0033	36.1628	63.8209	0.1497	7.7877	1.6518	9.4395	2.0863	1.5563	3.6426	0.0000	12,507.0170	12,507.0170	0.9492	0.0000	12,526.9508
2020	26.5435	32.5223	60.7958	0.1496	7.7876	1.4451	9.2327	2.0863	1.3613	3.4476	0.0000	12,135.8846	12,135.8846	0.9226	0.0000	12,155.2588
2021	26.1719	29.0511	58.6258	0.1503	7.7875	1.2531	9.0406	2.0862	1.1801	3.2663	0.0000	12,080.7512	12,080.7512	0.9047	0.0000	12,099.7497
Total	130.6475	504.8258	471.4865	0.8493	82.9004	23.8147	106.7150	31.5394	22.0053	53.5447	0.0000	76,863.9257	76,863.9257	14.7927	0.0000	77,174.5726

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					

2017	4.8885	92.1501	117.2491	0.1987	15.5269	4.0484	19.5752	6.9707	4.0480	11.0187	0.0000	20,139.0098	20,139.0098	5.9933	0.0000	20,264.8691
2018	27.9319	93.2271	124.3586	0.2011	8.5928	4.2939	12.8867	3.1274	4.2935	7.4209	0.0000	20,001.2631	20,001.2631	6.0229	0.0000	20,127.7443
2019	26.2815	31.7842	64.5910	0.1497	7.7877	1.4322	9.2199	2.0863	1.3869	3.4733	0.0000	12,507.0170	12,507.0170	0.9492	0.0000	12,526.9508
2020	25.9262	29.2801	61.7784	0.1496	7.7876	1.3134	9.1010	2.0863	1.2728	3.3591	0.0000	12,135.8846	12,135.8846	0.9226	0.0000	12,155.2588
2021	25.6476	26.8226	59.7729	0.1503	7.7875	1.1992	8.9867	2.0862	1.1631	3.2493	0.0000	12,080.7512	12,080.7512	0.9047	0.0000	12,099.7497
Total	110.6756	273.2641	427.7500	0.8493	47.4825	12.2870	59.7695	16.3570	12.1643	28.5213	0.0000	76,863.9257	76,863.9257	14.7927	0.0000	77,174.5726

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.29	45.87	9.28	0.00	42.72	48.41	43.99	48.14	44.72	46.73	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Energy	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
Mobile	27.5907	67.2976	321.3599	1.1198	72.7210	1.4957	74.2167	19.4225	1.3793	20.8018		84,142.2266	84,142.2266	2.4267		84,193.1878
Total	80.0985	75.5289	402.8370	1.1707	72.7210	3.7837	76.5047	19.4225	3.6540	23.0765	0.0000	113,610.5337	113,610.5337	3.1253	0.5377	113,842.8454

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	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Energy	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
Mobile	27.5907	67.2976	321.3599	1.1198	72.7210	1.4957	74.2167	19.4225	1.3793	20.8018		84,142.2266	84,142.2266	2.4267		84,193.1878
Total	80.0985	75.5289	402.8370	1.1707	72.7210	3.7837	76.5047	19.4225	3.6540	23.0765	0.0000	113,610.5337	113,610.5337	3.1253	0.5377	113,842.8454

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	5/1/2017	5	86	
2	Site Preparation	Site Preparation	4/1/2017	6/1/2017	5	44	
3	Grading	Grading	6/1/2017	6/29/2018	5	282	
4	Wet Utilities	Trenching	1/1/2018	10/1/2018	5	196	
5	Paving	Paving	5/1/2018	11/30/2018	5	154	
6	Building Construction	Building Construction	8/1/2018	12/31/2021	5	891	
7	Architectural Coating	Architectural Coating	10/1/2018	12/31/2021	5	1043	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2115

Acres of Paving: 0

Residential Indoor: 3,440,880; Residential Outdoor: 1,146,960; Non-Residential Indoor: 582,785; Non-Residential Outdoor: 194,262

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	3	8.00	162	0.38
Grading	Graders	3	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	6	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Wet Utilities	Excavators	1	8.00	162	0.38
Wet Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	118.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Wet Utilities	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	503.00	165.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	101.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.2976	0.0000	0.2976	0.0451	0.0000	0.0451			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	0.2976	2.1252	2.4228	0.0451	1.9797	2.0248		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0228	0.3471	0.2610	1.0100e-003	0.0239	5.3900e-003	0.0293	6.5500e-003	4.9600e-003	0.0115		99.7452	99.7452	7.1000e-004		99.7602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0703	0.9281	2.1100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		168.2965	168.2965	7.9800e-003		168.4640
Total	0.0801	0.4174	1.1891	3.1200e-003	0.1916	6.5900e-003	0.1982	0.0510	6.0600e-003	0.0571		268.0417	268.0417	8.6900e-003		268.2242

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					0.1161	0.0000	0.1161	0.0176	0.0000	0.0176			0.0000				0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.1161	0.9880	1.1041	0.0176	0.9880	1.0056	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

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	0.0228	0.3471	0.2610	1.0100e-003	0.0239	5.3900e-003	0.0293	6.5500e-003	4.9600e-003	0.0115		99.7452	99.7452	7.1000e-004		99.7602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0703	0.9281	2.1100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		168.2965	168.2965	7.9800e-003		168.4640

Total	0.0801	0.4174	1.1891	3.1200e-003	0.1916	6.5900e-003	0.1982	0.0510	6.0600e-003	0.0571		268.0417	268.0417	8.6900e-003		268.2242
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3.3 Site Preparation - 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						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003			202.1568
Total	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003			202.1568

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568
Total	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568

3.4 Grading - 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					

Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	15.0700	174.4011	113.0298	0.1510		8.0591	8.0591		7.4144	7.4144		15,451.5182	15,451.5182	4.7343		15,550.9389
Total	15.0700	174.4011	113.0298	0.1510	19.9979	8.0591	28.0570	7.4793	7.4144	14.8936		15,451.5182	15,451.5182	4.7343		15,550.9389

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302
Total	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229			482.9302
Total	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229			482.9302

3.4 Grading - 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						
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000				0.0000
Off-Road	13.1050	149.4928	100.8719	0.1510		6.8033	6.8033		6.2590	6.2590		15,205.6442	15,205.6442	4.7337			15,305.0524
Total	13.1050	149.4928	100.8719	0.1510	19.9979	6.8033	26.8012	7.4793	6.2590	13.7383		15,205.6442	15,205.6442	4.7337			15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658
Total	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658
Total	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658

3.5 Wet Utilities - 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	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050
Total	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804
Total	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804

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	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553			1,795.5050
Total	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553			1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003			140.4804
Total	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003			140.4804

3.6 Paving - 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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7305	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927
Total	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927

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	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6681	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927
Total	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927

3.7 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1956	12.0142	14.6594	0.0358	1.0365	0.2002	1.2367	0.2959	0.1841	0.4800		3,477.9321	3,477.9321	0.0249		3,478.4541
Worker	1.7174	2.1282	28.1324	0.0707	5.6224	0.0392	5.6616	1.4911	0.0363	1.5274		5,430.3210	5,430.3210	0.2471		5,435.5092
Total	2.9130	14.1424	42.7918	0.1064	6.6589	0.2394	6.8983	1.7870	0.2204	2.0074		8,908.2531	8,908.2531	0.2719		8,913.9633

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	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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
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Category	lb/day										lb/day			
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1956	12.0142	14.6594	0.0358	1.0365	0.2002	1.2367	0.2959	0.1841	0.4800	3,477.9321	3,477.9321	0.0249	3,478.4541
Worker	1.7174	2.1282	28.1324	0.0707	5.6224	0.0392	5.6616	1.4911	0.0363	1.5274	5,430.3210	5,430.3210	0.2471	5,435.5092
Total	2.9130	14.1424	42.7918	0.1064	6.6589	0.2394	6.8983	1.7870	0.2204	2.0074	8,908.2531	8,908.2531	0.2719	8,913.9633

3.7 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1333	11.0334	14.2194	0.0355	1.0364	0.1920	1.2284	0.2959	0.1766	0.4725		3,398.4017	3,398.4017	0.0240		3,398.9061

Worker	1.5628	1.9395	25.5163	0.0703	5.6224	0.0383	5.6606	1.4911	0.0355	1.5266		5,201.8907	5,201.8907	0.2278		5,206.6742
Total	2.6961	12.9730	39.7357	0.1058	6.6588	0.2303	6.8890	1.7869	0.2121	1.9990		8,600.2924	8,600.2924	0.2518		8,605.5803

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	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1333	11.0334	14.2194	0.0355	1.0364	0.1920	1.2284	0.2959	0.1766	0.4725		3,398.4017	3,398.4017	0.0240		3,398.9061
Worker	1.5628	1.9395	25.5163	0.0703	5.6224	0.0383	5.6606	1.4911	0.0355	1.5266		5,201.8907	5,201.8907	0.2278		5,206.6742
Total	2.6961	12.9730	39.7357	0.1058	6.6588	0.2303	6.8890	1.7869	0.2121	1.9990		8,600.2924	8,600.2924	0.2518		8,605.5803

3.7 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.0708	9.6043	13.7151	0.0355	1.0363	0.1755	1.2118	0.2958	0.1614	0.4572		3,320.6070	3,320.6070	0.0235			3,321.1003
Worker	1.4523	1.7907	23.6850	0.0703	5.6224	0.0382	5.6605	1.4911	0.0354	1.5265		4,989.4849	4,989.4849	0.2147			4,993.9945
Total	2.5232	11.3950	37.4001	0.1057	6.6587	0.2137	6.8723	1.7869	0.1968	1.9837		8,310.0919	8,310.0919	0.2382			8,315.0948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day									lb/day						
Off-Road	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0708	9.6043	13.7151	0.0355	1.0363	0.1755	1.2118	0.2958	0.1614	0.4572		3,320.6070	3,320.6070	0.0235		3,321.1003
Worker	1.4523	1.7907	23.6850	0.0703	5.6224	0.0382	5.6605	1.4911	0.0354	1.5265		4,989.4849	4,989.4849	0.2147		4,993.9945
Total	2.5232	11.3950	37.4001	0.1057	6.6587	0.2137	6.8723	1.7869	0.1968	1.9837		8,310.0919	8,310.0919	0.2382		8,315.0948

3.7 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0343	8.1682	13.3171	0.0356	1.0362	0.1576	1.1938	0.2958	0.1450	0.4408		3,330.5083	3,330.5083	0.0240		3,331.0112
Worker	1.3743	1.6787	22.4464	0.0707	5.6224	0.0387	5.6611	1.4911	0.0359	1.5270		4,935.0738	4,935.0738	0.2072		4,939.4256
Total	2.4087	9.8469	35.7635	0.1063	6.6585	0.1963	6.8549	1.7868	0.1809	1.9678		8,265.5821	8,265.5821	0.2312		8,270.4368

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	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0343	8.1682	13.3171	0.0356	1.0362	0.1576	1.1938	0.2958	0.1450	0.4408		3,330.5083	3,330.5083	0.0240		3,331.0112
Worker	1.3743	1.6787	22.4464	0.0707	5.6224	0.0387	5.6611	1.4911	0.0359	1.5270		4,935.0738	4,935.0738	0.2072		4,939.4256
Total	2.4087	9.8469	35.7635	0.1063	6.6585	0.1963	6.8549	1.7868	0.1809	1.9678		8,265.5821	8,265.5821	0.2312		8,270.4368

3.8 Architectural Coating - 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					
Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	21.6739	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3448	0.4273	5.6489	0.0142	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		1,090.3825	1,090.3825	0.0496		1,091.4243
Total	0.3448	0.4273	5.6489	0.0142	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		1,090.3825	1,090.3825	0.0496		1,091.4243

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	21.6739	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3448	0.4273	5.6489	0.0142	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		1,090.3825	1,090.3825	0.0496		1,091.4243

Total	0.3448	0.4273	5.6489	0.0142	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		1,090.3825	1,090.3825	0.0496		1,091.4243
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3.8 Architectural Coating - 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					
Archit. Coating	21.3753						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	21.6417	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3138	0.3895	5.1236	0.0141	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		1,044.5148	1,044.5148	0.0457		1,045.4753
Total	0.3138	0.3895	5.1236	0.0141	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		1,044.5148	1,044.5148	0.0457		1,045.4753

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	21.6417	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3138	0.3895	5.1236	0.0141	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		1,044.5148	1,044.5148	0.0457		1,045.4753
Total	0.3138	0.3895	5.1236	0.0141	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		1,044.5148	1,044.5148	0.0457		1,045.4753

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	21.6175	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2916	0.3596	4.7558	0.0141	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		1,001.8648	1,001.8648	0.0431		1,002.7703
Total	0.2916	0.3596	4.7558	0.0141	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		1,001.8648	1,001.8648	0.0431		1,002.7703

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	21.6175	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2916	0.3596	4.7558	0.0141	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		1,001.8648	1,001.8648	0.0431			1,002.7703
Total	0.2916	0.3596	4.7558	0.0141	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		1,001.8648	1,001.8648	0.0431			1,002.7703

3.8 Architectural Coating - 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						
Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537
Total	21.5942	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2760	0.3371	4.5071	0.0142	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		990.9393	990.9393	0.0416		991.8131
Total	0.2760	0.3371	4.5071	0.0142	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		990.9393	990.9393	0.0416		991.8131

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	21.5942	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2760	0.3371	4.5071	0.0142	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		990.9393	990.9393	0.0416		991.8131
Total	0.2760	0.3371	4.5071	0.0142	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		990.9393	990.9393	0.0416		991.8131

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	27.5907	67.2976	321.3599	1.1198	72.7210	1.4957	74.2167	19.4225	1.3793	20.8018		84,142.2266	84,142.2266	2.4267			84,193.1878
Unmitigated	27.5907	67.2976	321.3599	1.1198	72.7210	1.4957	74.2167	19.4225	1.3793	20.8018		84,142.2266	84,142.2266	2.4267			84,193.1878

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	510.00	0.00	0.00	1,255,468	1,255,468
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	9,034.08	9,515.52	8,278.88	30,737,184	30,737,184
Total	9,544.08	9,515.52	8,278.88	31,992,652	31,992,652

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
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LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.465544	0.065242	0.173782	0.157607	0.057427	0.009225	0.016327	0.043721	0.001116	0.001363	0.004759	0.000651	0.003237

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
NaturalGas Unmitigated	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Single Family Housing	76792.2	0.8282	7.0769	3.0115	0.0452		0.5722	0.5722		0.5722	0.5722		9,034.3797	9,034.3797	0.1732	0.1656	9,089.3614
Elementary School	2574.53	0.0278	0.2524	0.2120	1.5100e-003		0.0192	0.0192		0.0192	0.0192		302.8854	302.8854	5.8100e-003	5.5500e-003	304.7287
Total		0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	76.7922	0.8282	7.0769	3.0115	0.0452		0.5722	0.5722		0.5722	0.5722		9,034.3797	9,034.3797	0.1732	0.1656	9,089.3614
Elementary School	2.57453	0.0278	0.2524	0.2120	1.5100e-003		0.0192	0.0192		0.0192	0.0192		302.8854	302.8854	5.8100e-003	5.5500e-003	304.7287
Total		0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

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	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Unmitigated	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

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	6.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.3369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.8325	8.0000e-005	0.1000	0.0000		1.2661	1.2661		1.2527	1.2527	0.0000	19,990.5882	19,990.5882	0.3832	0.3665	20,112.2476
Landscaping	2.3745	0.9019	78.1536	4.1200e-003		0.4306	0.4306		0.4306	0.4306		140.4538	140.4538	0.1365		143.3199
Total	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6833	1.6833	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

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	6.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.3369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.8325	8.0000e-005	0.1000	0.0000		1.2661	1.2661		1.2527	1.2527	0.0000	19,990.5882	19,990.5882	0.3832	0.3665	20,112.2476
Landscaping	2.3745	0.9019	78.1536	4.1200e-003		0.4306	0.4306		0.4306	0.4306		140.4538	140.4538	0.1365		143.3199
Total	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6833	1.6833	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Armstrong Ranch
San Bernardino-South Coast County, Winter

School - Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	1,000.00	Student	10.00	83,603.37	0
Other Asphalt Surfaces	7.00	Acre	7.00	304,920.00	0
Single Family Housing	944.00	Dwelling Unit	181.80	1,699,200.00	2700

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project Specific Acreage Used
- Construction Phase - Applicant Provided Construction Schedule Used
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment - Project Applicant Provided Equipment Counts Used

Demolition -

Grading -

Vehicle Trips - Trip rate from project traffic engineer used

Woodstoves - Project will only include gas fireplaces per SCAQMD Regulations

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,043.00
tblConstructionPhase	NumDays	3,100.00	891.00
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	310.00	282.00
tblConstructionPhase	NumDays	220.00	154.00

tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	12/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	5/2/2022	12/31/2021
tblConstructionPhase	PhaseEndDate	7/2/2018	6/29/2018
tblConstructionPhase	PhaseEndDate	5/3/2019	11/30/2018
tblConstructionPhase	PhaseEndDate	6/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/1/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2022	10/1/2018
tblConstructionPhase	PhaseStartDate	12/1/2018	8/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2017	6/1/2017
tblConstructionPhase	PhaseStartDate	10/2/2018	5/1/2018
tblConstructionPhase	PhaseStartDate	5/2/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	6/30/2018	1/1/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	802.40	944.00
tblFireplaces	NumberNoFireplace	94.40	0.00
tblFireplaces	NumberWood	47.20	0.00
tblLandUse	LotAcreage	1.92	10.00
tblLandUse	LotAcreage	306.49	181.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	3.29	3.43
tblVehicleEF	HHD	1.73	1.56
tblVehicleEF	HHD	53.84	51.93

tblVehicleEF	HHD	527.95	527.57
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.62	3.31
tblVehicleEF	HHD	3.72	2.33
tblVehicleEF	HHD	3.57	3.42
tblVehicleEF	HHD	9.4770e-003	9.1820e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	8.7190e-003	8.4470e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.58	0.61
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.39	1.22
tblVehicleEF	HHD	5.5970e-003	5.5920e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4360e-003	1.4000e-003
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.67	0.69

tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.49	1.30
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	2.39	2.49
tblVehicleEF	HHD	1.75	1.57
tblVehicleEF	HHD	43.00	41.62
tblVehicleEF	HHD	559.32	558.91
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.74	3.42
tblVehicleEF	HHD	3.50	2.19
tblVehicleEF	HHD	3.42	3.28
tblVehicleEF	HHD	7.9890e-003	7.7400e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	7.3500e-003	7.1210e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.55	0.57
tblVehicleEF	HHD	2.1520e-003	2.0410e-003

tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.21	1.06
tblVehicleEF	HHD	5.9290e-003	5.9250e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2600e-003	1.2340e-003
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.63	0.65
tblVehicleEF	HHD	2.1520e-003	2.0410e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.29	1.13
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	4.54	4.72
tblVehicleEF	HHD	1.74	1.56
tblVehicleEF	HHD	50.98	49.22
tblVehicleEF	HHD	484.63	484.28
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.46	3.16
tblVehicleEF	HHD	3.66	2.29
tblVehicleEF	HHD	3.53	3.39
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.63	0.66
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.35	1.18
tblVehicleEF	HHD	5.1370e-003	5.1340e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.3900e-003	1.3560e-003
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.72	0.75
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.44	1.26
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.75	0.70
tblVehicleEF	LDA	1.34	1.18
tblVehicleEF	LDA	232.89	224.48
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06

tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.91	0.84
tblVehicleEF	LDA	1.02	0.90
tblVehicleEF	LDA	252.65	243.56
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003

tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	7.5600e-004	7.5500e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.72	0.67
tblVehicleEF	LDA	1.33	1.17
tblVehicleEF	LDA	229.18	220.90
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.75	1.50
tblVehicleEF	LDT1	3.45	2.91
tblVehicleEF	LDT1	282.26	274.00
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	4.0260e-003	4.0270e-003

tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	2.06	1.77
tblVehicleEF	LDT1	2.66	2.24
tblVehicleEF	LDT1	304.83	296.02
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.21	0.18
tblVehicleEF	LDT1	4.3550e-003	4.3560e-003
tblVehicleEF	LDT1	8.9500e-004	8.9100e-004
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25

tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.22	0.19
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	3.42	2.89
tblVehicleEF	LDT1	278.02	269.87
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.27	0.22

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.00	0.90
tblVehicleEF	LDT2	1.89	1.62
tblVehicleEF	LDT2	347.75	339.67
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.7210e-003	4.7190e-003
tblVehicleEF	LDT2	1.0380e-003	1.0350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.19	1.07

tblVehicleEF	LDT2	1.45	1.24
tblVehicleEF	LDT2	376.43	367.69
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.15	0.12
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	5.1140e-003	5.1110e-003
tblVehicleEF	LDT2	1.0310e-003	1.0280e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	0.96	0.86
tblVehicleEF	LDT2	1.88	1.61
tblVehicleEF	LDT2	342.36	334.41
tblVehicleEF	LDT2	75.73	73.83

tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.6470e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0340e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.14	0.11
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.41	3.09
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06

tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.04	0.90
tblVehicleEF	LHD1	1.17	1.10
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.31	0.27
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8700e-004	4.8300e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.33	0.29
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003

tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.80	0.67
tblVehicleEF	LHD1	2.74	2.49
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.97	0.83
tblVehicleEF	LHD1	1.13	1.06
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.28	0.24
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003

tblVehicleEF	LHD1	4.7600e-004	4.7300e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.29	0.26
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.21	2.91
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.02	0.88
tblVehicleEF	LHD1	1.16	1.09
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004

tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.30	0.26
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8400e-004	4.8000e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.83	1.68
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.52	1.30
tblVehicleEF	LHD2	0.74	0.69
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1200e-004	3.1000e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.48	1.36
tblVehicleEF	LHD2	498.03	497.83

tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.43	1.22
tblVehicleEF	LHD2	0.71	0.67
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.0600e-004	3.0500e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004

tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.73	1.58
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.50	1.28
tblVehicleEF	LHD2	0.73	0.68
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.17	0.14
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1000e-004	3.0900e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.18	0.15
tblVehicleEF	MCY	20.66	20.25
tblVehicleEF	MCY	10.10	10.15
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.17	1.16
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.35	2.34
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.06	2.04
tblVehicleEF	MCY	1.9590e-003	1.9610e-003
tblVehicleEF	MCY	6.4600e-004	6.4000e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.59	2.57
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.21	2.19

tblVehicleEF	MCY	20.46	20.06
tblVehicleEF	MCY	8.84	8.85
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.31	2.29
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.80	1.79
tblVehicleEF	MCY	1.9550e-003	1.9570e-003
tblVehicleEF	MCY	6.1800e-004	6.1200e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.54	2.53
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.93	1.92
tblVehicleEF	MCY	20.17	19.77
tblVehicleEF	MCY	9.80	9.84
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003

tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.34	2.32
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	1.9510e-003	1.9530e-003
tblVehicleEF	MCY	6.3900e-004	6.3400e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.57	2.55
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.15	2.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.57	1.36
tblVehicleEF	MDV	3.36	2.91
tblVehicleEF	MDV	463.01	452.65
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003

tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.28	0.24
tblVehicleEF	MDV	6.0300e-003	6.0310e-003
tblVehicleEF	MDV	1.3360e-003	1.3310e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.86	1.63
tblVehicleEF	MDV	2.57	2.23
tblVehicleEF	MDV	500.86	489.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003

tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	6.5280e-003	6.5290e-003
tblVehicleEF	MDV	1.3230e-003	1.3190e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.25	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.50	1.31
tblVehicleEF	MDV	3.33	2.89
tblVehicleEF	MDV	455.91	445.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08

tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.28	0.23
tblVehicleEF	MDV	1.3360e-003	1.3300e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.56	4.94
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.66	0.61
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0500e-004	3.9400e-004
tblVehicleEF	MH	0.94	0.77

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	1.18	0.79
tblVehicleEF	MH	4.41	3.95
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.07	0.93
tblVehicleEF	MH	0.63	0.58
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	6.5800e-003	6.5760e-003
tblVehicleEF	MH	3.8600e-004	3.7700e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	1.37	1.08

tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.25	4.68
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.14	0.99
tblVehicleEF	MH	0.65	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.30	0.26
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0000e-004	3.8900e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.32	0.28
tblVehicleEF	MHD	7.8620e-003	8.1640e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.99	2.08

tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	13.05	11.21
tblVehicleEF	MHD	572.41	572.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.80	3.39
tblVehicleEF	MHD	1.20	0.88
tblVehicleEF	MHD	1.47	1.29
tblVehicleEF	MHD	8.1320e-003	7.7330e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	7.4820e-003	7.1140e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.77	0.66
tblVehicleEF	MHD	6.0680e-003	6.0660e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.7600e-004	7.4400e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003

tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.19	0.20
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.82	0.71
tblVehicleEF	MHD	7.4100e-003	7.6930e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.45	1.51
tblVehicleEF	MHD	0.54	0.45
tblVehicleEF	MHD	10.40	8.98
tblVehicleEF	MHD	606.42	606.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.92	3.50
tblVehicleEF	MHD	1.13	0.82
tblVehicleEF	MHD	1.41	1.24
tblVehicleEF	MHD	6.8560e-003	6.5190e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	6.3070e-003	5.9970e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.68	0.59
tblVehicleEF	MHD	6.4280e-003	6.4270e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.3200e-004	7.0700e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.72	0.63
tblVehicleEF	MHD	8.4880e-003	8.8130e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	2.75	2.86
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	12.35	10.62
tblVehicleEF	MHD	525.45	525.31
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.63	3.24
tblVehicleEF	MHD	1.18	0.86
tblVehicleEF	MHD	1.46	1.28
tblVehicleEF	MHD	9.8950e-003	9.4090e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	9.1040e-003	8.6570e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.75	0.65
tblVehicleEF	MHD	5.5700e-003	5.5690e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.6400e-004	7.3400e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.21	0.22
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	3.04	3.30
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.54	8.41
tblVehicleEF	OBUS	534.43	533.48

tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	32.73	32.73
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.88	3.20
tblVehicleEF	OBUS	1.47	0.99
tblVehicleEF	OBUS	1.34	1.19
tblVehicleEF	OBUS	9.0830e-003	8.7920e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	8.3560e-003	8.0880e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.52	0.56
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	5.6650e-003	5.6550e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.3100e-004	5.1100e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004

tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.61	0.54
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	2.21	2.40
tblVehicleEF	OBUS	1.14	0.91
tblVehicleEF	OBUS	7.63	6.74
tblVehicleEF	OBUS	566.19	565.17
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	4.00	3.30
tblVehicleEF	OBUS	1.37	0.92
tblVehicleEF	OBUS	1.28	1.14
tblVehicleEF	OBUS	7.6570e-003	7.4120e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	7.0440e-003	6.8190e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29

tblVehicleEF	OBUS	0.51	0.45
tblVehicleEF	OBUS	6.0020e-003	5.9910e-003
tblVehicleEF	OBUS	9.8270e-003	9.8080e-003
tblVehicleEF	OBUS	4.9900e-004	4.8300e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.55	0.60
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	4.19	4.55
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.03	7.97
tblVehicleEF	OBUS	490.59	489.71
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.71	3.06
tblVehicleEF	OBUS	1.45	0.97
tblVehicleEF	OBUS	1.32	1.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.56	0.60
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	5.2000e-003	5.1910e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.2200e-004	5.0400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.63	0.69
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	SBUS	4.5470e-003	4.7360e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.09	1.15
tblVehicleEF	SBUS	1.84	1.59
tblVehicleEF	SBUS	21.62	19.07
tblVehicleEF	SBUS	550.57	554.02
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	115.30	115.30
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.45	7.25
tblVehicleEF	SBUS	6.96	6.63

tblVehicleEF	SBUS	1.88	1.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.37	1.22
tblVehicleEF	SBUS	5.8360e-003	5.8730e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6620e-003	1.6170e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.47	1.30
tblVehicleEF	SBUS	4.2850e-003	4.4640e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003

tblVehicleEF	SBUS	0.79	0.84
tblVehicleEF	SBUS	1.88	1.63
tblVehicleEF	SBUS	18.12	16.06
tblVehicleEF	SBUS	583.28	586.94
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.69	7.49
tblVehicleEF	SBUS	6.54	6.23
tblVehicleEF	SBUS	1.76	1.62
tblVehicleEF	SBUS	0.01	9.9990e-003
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	9.7360e-003	9.1990e-003
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.23	1.09
tblVehicleEF	SBUS	6.1830e-003	6.2220e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6020e-003	1.5660e-003
tblVehicleEF	SBUS	0.06	0.05

tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.31	1.17
tblVehicleEF	SBUS	4.9080e-003	5.1130e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.50	1.59
tblVehicleEF	SBUS	1.83	1.59
tblVehicleEF	SBUS	21.58	19.06
tblVehicleEF	SBUS	505.40	508.57
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.12	6.93
tblVehicleEF	SBUS	6.86	6.54
tblVehicleEF	SBUS	1.90	1.75
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.11	0.11

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.38	1.23
tblVehicleEF	SBUS	5.3580e-003	5.3910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6610e-003	1.6170e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.47	1.31
tblVehicleEF	UBUS	4.94	4.58
tblVehicleEF	UBUS	17.81	16.92
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.94	7.57
tblVehicleEF	UBUS	2.62	2.55
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.23	1.26

tblVehicleEF	UBUS	1.54	1.49
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7100e-004	9.5500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.64	1.59
tblVehicleEF	UBUS	5.03	4.67
tblVehicleEF	UBUS	14.85	14.13
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.40	7.06
tblVehicleEF	UBUS	2.49	2.43
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.66	0.60
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.38	1.34
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.1900e-004	9.0700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19

tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.66
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.48	1.43
tblVehicleEF	UBUS	4.94	4.59
tblVehicleEF	UBUS	17.30	16.44
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.79	7.43
tblVehicleEF	UBUS	2.60	2.54
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.51	1.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.6200e-004	9.4700e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.62	1.57
tblVehicleTrips	WD_TR	1.29	0.51

tblWoodstoves	NumberCatalytic	47.20	0.00
tblWoodstoves	NumberNoncatalytic	47.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2017	20.1265	226.4598	155.6451	0.1979	38.7460	10.8182	49.5642	17.5908	9.9527	27.5435	0.0000	20,077.9418	20,077.9418	5.9933	0.0000	20,203.8011
2018	30.7157	180.6691	131.4470	0.2002	20.7915	8.6466	29.4381	7.6897	7.9549	15.6446	0.0000	19,932.7936	19,932.7936	6.0229	0.0000	20,059.2748
2019	26.9455	36.5919	61.5954	0.1418	7.7877	1.6535	9.4412	2.0863	1.5578	3.6442	0.0000	11,920.1190	11,920.1190	0.9500	0.0000	11,940.0699
2020	26.4917	32.8927	58.8565	0.1417	7.7876	1.4465	9.2341	2.0863	1.3626	3.4489	0.0000	11,571.6969	11,571.6969	0.9234	0.0000	11,591.0885
2021	26.1233	29.3744	56.8508	0.1423	7.7875	1.2543	9.0418	2.0862	1.1812	3.2674	0.0000	11,521.1774	11,521.1774	0.9056	0.0000	11,540.1942
Total	130.4027	505.9880	464.3948	0.8239	82.9004	23.8190	106.7193	31.5394	22.0092	53.5486	0.0000	75,023.7287	75,023.7287	14.7952	0.0000	75,334.4285

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					

2017	4.8736	92.1694	116.6929	0.1979	15.5269	4.0484	19.5752	6.9707	4.0480	11.0187	0.0000	20,077.94 18	20,077.941 8	5.9933	0.0000	20,203.80 11
2018	27.8602	93.2471	123.7627	0.2002	8.5928	4.2939	12.8867	3.1274	4.2935	7.4209	0.0000	19,932.79 36	19,932.793 6	6.0229	0.0000	20,059.27 48
2019	26.2237	32.2133	62.3656	0.1418	7.7877	1.4339	9.2216	2.0863	1.3885	3.4748	0.0000	11,920.11 90	11,920.119 0	0.9500	0.0000	11,940.06 99
2020	25.8744	29.6506	59.8391	0.1417	7.7876	1.3148	9.1024	2.0863	1.2741	3.3604	0.0000	11,571.69 69	11,571.696 9	0.9234	0.0000	11,591.08 85
2021	25.5990	27.1459	57.9979	0.1423	7.7875	1.2004	8.9879	2.0862	1.1642	3.2505	0.0000	11,521.17 74	11,521.177 4	0.9056	0.0000	11,540.19 42
Total	110.4309	274.4263	420.6582	0.8239	47.4825	12.2913	59.7738	16.3570	12.1683	28.5252	0.0000	75,023.72 86	75,023.728 6	14.7952	0.0000	75,334.42 85

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.32	45.76	9.42	0.00	42.72	48.40	43.99	48.14	44.71	46.73	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.6519	0.9020	78.2536	4.1200e- 003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.04 20	20,131.042 0	0.5196	0.3665	20,255.56 75
Energy	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.265 1	9,337.2651	0.1790	0.1712	9,394.090 1
Mobile	26.6841	70.2027	300.7389	1.0433	72.7210	1.5002	74.2212	19.4225	1.3834	20.8059		78,853.65 99	78,853.659 9	2.4310		78,904.71 02
Total	79.1919	78.4340	382.2160	1.0941	72.7210	3.7882	76.5093	19.4225	3.6581	23.0806	0.0000	108,321.9 670	108,321.96 70	3.1296	0.5377	108,554.3 679

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	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Energy	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
Mobile	26.6841	70.2027	300.7389	1.0433	72.7210	1.5002	74.2212	19.4225	1.3834	20.8059		78,853.6599	78,853.6599	2.4310		78,904.7102
Total	79.1919	78.4340	382.2160	1.0941	72.7210	3.7882	76.5093	19.4225	3.6581	23.0806	0.0000	108,321.9670	108,321.9670	3.1296	0.5377	108,554.3679

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	5/1/2017	5	86	
2	Site Preparation	Site Preparation	4/1/2017	6/1/2017	5	44	
3	Grading	Grading	6/1/2017	6/29/2018	5	282	
4	Wet Utilities	Trenching	1/1/2018	10/1/2018	5	196	
5	Paving	Paving	5/1/2018	11/30/2018	5	154	
6	Building Construction	Building Construction	8/1/2018	12/31/2021	5	891	
7	Architectural Coating	Architectural Coating	10/1/2018	12/31/2021	5	1043	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2115

Acres of Paving: 0

Residential Indoor: 3,440,880; Residential Outdoor: 1,146,960; Non-Residential Indoor: 582,785; Non-Residential Outdoor: 194,262

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	3	8.00	162	0.38
Grading	Graders	3	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	6	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Wet Utilities	Excavators	1	8.00	162	0.38
Wet Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	118.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Wet Utilities	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	503.00	165.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	101.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.2976	0.0000	0.2976	0.0451	0.0000	0.0451			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	0.2976	2.1252	2.4228	0.0451	1.9797	2.0248		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0237	0.3608	0.2902	1.0000e-003	0.0239	5.4000e-003	0.0293	6.5500e-003	4.9700e-003	0.0115		99.5065	99.5065	7.2000e-004		99.5217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0751	0.7914	1.9200e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		153.2798	153.2798	7.9800e-003		153.4473
Total	0.0773	0.4359	1.0815	2.9200e-003	0.1916	6.6000e-003	0.1982	0.0510	6.0700e-003	0.0571		252.7863	252.7863	8.7000e-003		252.9690

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					0.1161	0.0000	0.1161	0.0176	0.0000	0.0176			0.0000			0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.1161	0.9880	1.1041	0.0176	0.9880	1.0056	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0237	0.3608	0.2902	1.0000e-003	0.0239	5.4000e-003	0.0293	6.5500e-003	4.9700e-003	0.0115		99.5065	99.5065	7.2000e-004		99.5217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0751	0.7914	1.9200e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		153.2798	153.2798	7.9800e-003		153.4473

Total	0.0773	0.4359	1.0815	2.9200e-003	0.1916	6.6000e-003	0.1982	0.0510	6.0700e-003	0.0571		252.7863	252.7863	8.7000e-003		252.9690
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3.3 Site Preparation - 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						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003			184.1368
Total	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003			184.1368

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000				0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265			4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003			184.1368
Total	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003			184.1368

3.4 Grading - 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					

Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	15.0700	174.4011	113.0298	0.1510		8.0591	8.0591		7.4144	7.4144		15,451.5182	15,451.5182	4.7343		15,550.9389
Total	15.0700	174.4011	113.0298	0.1510	19.9979	8.0591	28.0570	7.4793	7.4144	14.8936		15,451.5182	15,451.5182	4.7343		15,550.9389

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823
Total	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823
Total	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	13.1050	149.4928	100.8719	0.1510		6.8033	6.8033		6.2590	6.2590		15,205.6442	15,205.6442	4.7337		15,305.0524
Total	13.1050	149.4928	100.8719	0.1510	19.9979	6.8033	26.8012	7.4793	6.2590	13.7383		15,205.6442	15,205.6442	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983
Total	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983
Total	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983

3.5 Wet Utilities - 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	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050
Total	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437
Total	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437

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	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050
Total	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437
Total	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437

3.6 Paving - 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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7305	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273
Total	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273

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	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6681	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273
Total	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273

3.7 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2691	12.3228	17.1048	0.0355	1.0365	0.2020	1.2386	0.2959	0.1858	0.4818		3,448.6147	3,448.6147	0.0257		3,449.1535
Worker	1.6018	2.2698	23.9113	0.0643	5.6224	0.0392	5.6616	1.4911	0.0363	1.5274		4,945.2481	4,945.2481	0.2471		4,950.4363
Total	2.8709	14.5926	41.0161	0.0998	6.6589	0.2412	6.9001	1.7870	0.2221	2.0091		8,393.8628	8,393.8628	0.2727		8,399.5898

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	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2691	12.3228	17.1048	0.0355	1.0365	0.2020	1.2386	0.2959	0.1858	0.4818	3,448.6147	3,448.6147	0.0257	3,449.135	
Worker	1.6018	2.2698	23.9113	0.0643	5.6224	0.0392	5.6616	1.4911	0.0363	1.5274	4,945.2481	4,945.2481	0.2471	4,950.4363	
Total	2.8709	14.5926	41.0161	0.0998	6.6589	0.2412	6.9001	1.7870	0.2221	2.0091	8,393.8628	8,393.8628	0.2727	8,399.5898	

3.7 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	2,580.7618	2,580.7618	0.6279			2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	2,580.7618	2,580.7618	0.6279			2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2034	11.3090	16.6349	0.0352	1.0364	0.1937	1.2301	0.2959	0.1782	0.4740	3,369.5231	3,369.5231	0.0248			3,370.0446

Worker	1.4563	2.0673	21.6513	0.0639	5.6224	0.0383	5.6606	1.4911	0.0355	1.5266		4,737.1825	4,737.1825	0.2278		4,741.9660
Total	2.6597	13.3764	38.2863	0.0992	6.6588	0.2320	6.8907	1.7869	0.2136	2.0006		8,106.7056	8,106.7056	0.2526		8,112.0106

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	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2034	11.3090	16.6349	0.0352	1.0364	0.1937	1.2301	0.2959	0.1782	0.4740		3,369.5231	3,369.5231	0.0248		3,370.0446
Worker	1.4563	2.0673	21.6513	0.0639	5.6224	0.0383	5.6606	1.4911	0.0355	1.5266		4,737.1825	4,737.1825	0.2278		4,741.9660
Total	2.6597	13.3764	38.2863	0.0992	6.6588	0.2320	6.8907	1.7869	0.2136	2.0006		8,106.7056	8,106.7056	0.2526		8,112.0106

3.7 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.1370	9.8349	16.1328	0.0352	1.0363	0.1769	1.2132	0.2958	0.1627	0.4586		3,292.2999	3,292.2999	0.0243			3,292.8108
Worker	1.3541	1.9071	20.0566	0.0639	5.6224	0.0382	5.6605	1.4911	0.0354	1.5265		4,543.2134	4,543.2134	0.2147			4,547.7230
Total	2.4911	11.7420	36.1894	0.0991	6.6587	0.2151	6.8737	1.7869	0.1981	1.9850		7,835.5133	7,835.5133	0.2391			7,840.5338

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day									lb/day						
Off-Road	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1370	9.8349	16.1328	0.0352	1.0363	0.1769	1.2132	0.2958	0.1627	0.4586		3,292.2999	3,292.2999	0.0243		3,292.8108
Worker	1.3541	1.9071	20.0566	0.0639	5.6224	0.0382	5.6605	1.4911	0.0354	1.5265		4,543.2134	4,543.2134	0.2147		4,547.7230
Total	2.4911	11.7420	36.1894	0.0991	6.6587	0.2151	6.8737	1.7869	0.1981	1.9850		7,835.5133	7,835.5133	0.2391		7,840.5338

3.7 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0970	8.3622	15.7273	0.0353	1.0362	0.1588	1.1950	0.2958	0.1461	0.4419		3,302.1980	3,302.1980	0.0248		3,302.7193
Worker	1.2817	1.7864	18.9611	0.0643	5.6224	0.0387	5.6611	1.4911	0.0359	1.5270		4,492.6474	4,492.6474	0.2072		4,496.9992
Total	2.3787	10.1486	34.6883	0.0996	6.6585	0.1975	6.8561	1.7868	0.1820	1.9689		7,794.8455	7,794.8455	0.2321		7,799.7184

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	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0970	8.3622	15.7273	0.0353	1.0362	0.1588	1.1950	0.2958	0.1461	0.4419		3,302.1980	3,302.1980	0.0248		3,302.7193
Worker	1.2817	1.7864	18.9611	0.0643	5.6224	0.0387	5.6611	1.4911	0.0359	1.5270		4,492.6474	4,492.6474	0.2072		4,496.9992
Total	2.3787	10.1486	34.6883	0.0996	6.6585	0.1975	6.8561	1.7868	0.1820	1.9689		7,794.8455	7,794.8455	0.2321		7,799.7184

3.8 Architectural Coating - 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					
Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	21.6739	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3216	0.4558	4.8013	0.0129	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		992.9822	992.9822	0.0496		994.0240
Total	0.3216	0.4558	4.8013	0.0129	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		992.9822	992.9822	0.0496		994.0240

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	21.6739	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3216	0.4558	4.8013	0.0129	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		992.9822	992.9822	0.0496		994.0240

Total	0.3216	0.4558	4.8013	0.0129	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		992.9822	992.9822	0.0496		994.0240
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3.8 Architectural Coating - 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					
Archit. Coating	21.3753						0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	21.6417	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2924	0.4151	4.3475	0.0128	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		951.2037	951.2037	0.0457		952.1641
Total	0.2924	0.4151	4.3475	0.0128	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		951.2037	951.2037	0.0457		952.1641

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	21.6417	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2924	0.4151	4.3475	0.0128	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		951.2037	951.2037	0.0457		952.1641
Total	0.2924	0.4151	4.3475	0.0128	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		951.2037	951.2037	0.0457		952.1641

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	21.6175	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2719	0.3829	4.0273	0.0128	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		912.2556	912.2556	0.0431		913.1611
Total	0.2719	0.3829	4.0273	0.0128	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		912.2556	912.2556	0.0431		913.1611

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	21.6175	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2719	0.3829	4.0273	0.0128	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		912.2556	912.2556	0.0431			913.1611
Total	0.2719	0.3829	4.0273	0.0128	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		912.2556	912.2556	0.0431			913.1611

3.8 Architectural Coating - 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						
Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537
Total	21.5942	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2574	0.3587	3.8073	0.0129	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		902.1022	902.1022	0.0416		902.9760
Total	0.2574	0.3587	3.8073	0.0129	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		902.1022	902.1022	0.0416		902.9760

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	21.5942	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2574	0.3587	3.8073	0.0129	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		902.1022	902.1022	0.0416		902.9760
Total	0.2574	0.3587	3.8073	0.0129	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		902.1022	902.1022	0.0416		902.9760

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.6841	70.2027	300.7389	1.0433	72.7210	1.5002	74.2212	19.4225	1.3834	20.8059		78,853.6599	78,853.6599	2.4310		78,904.7102
Unmitigated	26.6841	70.2027	300.7389	1.0433	72.7210	1.5002	74.2212	19.4225	1.3834	20.8059		78,853.6599	78,853.6599	2.4310		78,904.7102

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	510.00	0.00	0.00	1,255,468	1,255,468
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	9,034.08	9,515.52	8,278.88	30,737,184	30,737,184
Total	9,544.08	9,515.52	8,278.88	31,992,652	31,992,652

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
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LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.465544	0.065242	0.173782	0.157607	0.057427	0.009225	0.016327	0.043721	0.001116	0.001363	0.004759	0.000651	0.003237

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
NaturalGas Unmitigated	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	2574.53	0.0278	0.2524	0.2120	1.5100e-003		0.0192	0.0192		0.0192	0.0192		302.8854	302.8854	5.8100e-003	5.5500e-003	304.7287

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	76792.2	0.8282	7.0769	3.0115	0.0452		0.5722	0.5722		0.5722	0.5722		9,034.3797	9,034.3797	0.1732	0.1656	9,089.3614
Total		0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	76.7922	0.8282	7.0769	3.0115	0.0452		0.5722	0.5722		0.5722	0.5722		9,034.3797	9,034.3797	0.1732	0.1656	9,089.3614
Elementary School	2.57453	0.0278	0.2524	0.2120	1.5100e-003		0.0192	0.0192		0.0192	0.0192		302.8854	302.8854	5.8100e-003	5.5500e-003	304.7287
Total		0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

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	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Unmitigated	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

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	6.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.3369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.8325	8.0000e-005	0.1000	0.0000		1.2661	1.2661		1.2527	1.2527	0.0000	19,990.5882	19,990.5882	0.3832	0.3665	20,112.2476
Landscaping	2.3745	0.9019	78.1536	4.1200e-003		0.4306	0.4306		0.4306	0.4306		140.4538	140.4538	0.1365		143.3199
Total	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6833	1.6833	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

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	6.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.3369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.8325	8.0000e-005	0.1000	0.0000		1.2661	1.2661		1.2527	1.2527	0.0000	19,990.5882	19,990.5882	0.3832	0.3665	20,112.2476
Landscaping	2.3745	0.9019	78.1536	4.1200e-003		0.4306	0.4306		0.4306	0.4306		140.4538	140.4538	0.1365		143.3199
Total	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6833	1.6833	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Armstrong Ranch
San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	7.00	Acre	7.00	304,920.00	0
Single Family Housing	994.00	Dwelling Unit	191.80	1,789,200.00	2843

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	630.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project Specific Acreage Used
- Construction Phase - Applicant Provided Construction Schedule Used
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Demolition -

Grading -

Woodstoves - Project will only include gas fireplaces per SCAQMD Regulations

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
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tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	3,100.00	891.00
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	310.00	282.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	12/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	5/2/2022	12/31/2021

tblConstructionPhase	PhaseEndDate	7/2/2018	6/29/2018
tblConstructionPhase	PhaseEndDate	5/3/2019	11/30/2018
tblConstructionPhase	PhaseEndDate	6/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/1/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2022	10/1/2018
tblConstructionPhase	PhaseStartDate	12/1/2018	8/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2017	6/1/2017
tblConstructionPhase	PhaseStartDate	10/2/2018	5/1/2018
tblConstructionPhase	PhaseStartDate	5/2/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	6/30/2018	1/1/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	844.90	994.00
tblFireplaces	NumberNoFireplace	99.40	0.00
tblFireplaces	NumberWood	49.70	0.00
tblLandUse	LotAcreage	322.73	191.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2021
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tblVehicleEF	HHD	3.29	3.43
tblVehicleEF	HHD	1.73	1.56
tblVehicleEF	HHD	53.84	51.93
tblVehicleEF	HHD	527.95	527.57
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04

tblVehicleEF	HHD	3.62	3.31
tblVehicleEF	HHD	3.72	2.33
tblVehicleEF	HHD	3.57	3.42
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	8.7190e-003	8.4470e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
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tblVehicleEF	HHD	0.58	0.61
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tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.39	1.22
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tblVehicleEF	HHD	1.6270e-003	1.5570e-003
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tblVehicleEF	HHD	1.49	1.30

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tblVehicleEF	HHD	1,515.31	1,502.48
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tblVehicleEF	HHD	0.09	0.09
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tblVehicleEF	HHD	7.3500e-003	7.1210e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
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tblVehicleEF	HHD	0.03	0.03
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tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
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tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
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tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
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tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05

tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.07	0.06
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tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.20	0.19
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tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
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tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDT1	0.01	0.01
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tblVehicleEF	LDT1	3.45	2.91
tblVehicleEF	LDT1	282.26	274.00
tblVehicleEF	LDT1	61.73	59.88
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tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.20	0.17
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tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	4.0260e-003	4.0270e-003
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10

tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
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tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.21	0.18
tblVehicleEF	LDT1	4.3550e-003	4.3560e-003
tblVehicleEF	LDT1	8.9500e-004	8.9100e-004
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.22	0.19

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	3.42	2.89
tblVehicleEF	LDT1	278.02	269.87
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.00	0.90
tblVehicleEF	LDT2	1.89	1.62

tblVehicleEF	LDT2	347.75	339.67
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.7210e-003	4.7190e-003
tblVehicleEF	LDT2	1.0380e-003	1.0350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.19	1.07
tblVehicleEF	LDT2	1.45	1.24
tblVehicleEF	LDT2	376.43	367.69
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17

tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.15	0.12
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	5.1140e-003	5.1110e-003
tblVehicleEF	LDT2	1.0310e-003	1.0280e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	0.96	0.86
tblVehicleEF	LDT2	1.88	1.61
tblVehicleEF	LDT2	342.36	334.41
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003

tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.6470e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0340e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.14	0.11
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.41	3.09
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.04	0.90
tblVehicleEF	LHD1	1.17	1.10
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.31	0.27
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8700e-004	4.8300e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.33	0.29
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.80	0.67

tblVehicleEF	LHD1	2.74	2.49
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.97	0.83
tblVehicleEF	LHD1	1.13	1.06
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.28	0.24
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.7600e-004	4.7300e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.29	0.26
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.21	2.91
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.02	0.88
tblVehicleEF	LHD1	1.16	1.09
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003

tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.30	0.26
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8400e-004	4.8000e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.83	1.68
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.52	1.30
tblVehicleEF	LHD2	0.74	0.69
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1200e-004	3.1000e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.48	1.36
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.43	1.22

tblVehicleEF	LHD2	0.71	0.67
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.0600e-004	3.0500e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51

tblVehicleEF	LHD2	1.73	1.58
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.50	1.28
tblVehicleEF	LHD2	0.73	0.68
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.17	0.14
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1000e-004	3.0900e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.18	0.17

tblVehicleEF	LHD2	0.18	0.15
tblVehicleEF	MCY	20.66	20.25
tblVehicleEF	MCY	10.10	10.15
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.17	1.16
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.35	2.34
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.06	2.04
tblVehicleEF	MCY	1.9590e-003	1.9610e-003
tblVehicleEF	MCY	6.4600e-004	6.4000e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.59	2.57
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	20.46	20.06
tblVehicleEF	MCY	8.84	8.85
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48

tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.31	2.29
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.80	1.79
tblVehicleEF	MCY	1.9550e-003	1.9570e-003
tblVehicleEF	MCY	6.1800e-004	6.1200e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.54	2.53
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.93	1.92
tblVehicleEF	MCY	20.17	19.77
tblVehicleEF	MCY	9.80	9.84
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004

tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.34	2.32
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	1.9510e-003	1.9530e-003
tblVehicleEF	MCY	6.3900e-004	6.3400e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.57	2.55
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.15	2.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.57	1.36
tblVehicleEF	MDV	3.36	2.91
tblVehicleEF	MDV	463.01	452.65
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.10	0.09

tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.28	0.24
tblVehicleEF	MDV	6.0300e-003	6.0310e-003
tblVehicleEF	MDV	1.3360e-003	1.3310e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.86	1.63
tblVehicleEF	MDV	2.57	2.23
tblVehicleEF	MDV	500.86	489.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.03

tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	6.5280e-003	6.5290e-003
tblVehicleEF	MDV	1.3230e-003	1.3190e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.25	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.50	1.31
tblVehicleEF	MDV	3.33	2.89
tblVehicleEF	MDV	455.91	445.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
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tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.28	0.23
tblVehicleEF	MDV	1.3360e-003	1.3300e-003

tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.56	4.94
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.66	0.61
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0500e-004	3.9400e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.37	1.09

tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	1.18	0.79
tblVehicleEF	MH	4.41	3.95
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.07	0.93
tblVehicleEF	MH	0.63	0.58
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	6.5800e-003	6.5760e-003
tblVehicleEF	MH	3.8600e-004	3.7700e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.25	4.68
tblVehicleEF	MH	598.16	598.43

tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.14	0.99
tblVehicleEF	MH	0.65	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.30	0.26
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0000e-004	3.8900e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.32	0.28
tblVehicleEF	MHD	7.8620e-003	8.1640e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.99	2.08
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	13.05	11.21
tblVehicleEF	MHD	572.41	572.27
tblVehicleEF	MHD	919.98	916.77

tblVehicleEF	MHD	49.32	49.32
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tblVehicleEF	MHD	3.80	3.39
tblVehicleEF	MHD	1.20	0.88
tblVehicleEF	MHD	1.47	1.29
tblVehicleEF	MHD	8.1320e-003	7.7330e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	7.4820e-003	7.1140e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.77	0.66
tblVehicleEF	MHD	6.0680e-003	6.0660e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.7600e-004	7.4400e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.19	0.20
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.10	0.09

tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.82	0.71
tblVehicleEF	MHD	7.4100e-003	7.6930e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.45	1.51
tblVehicleEF	MHD	0.54	0.45
tblVehicleEF	MHD	10.40	8.98
tblVehicleEF	MHD	606.42	606.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.92	3.50
tblVehicleEF	MHD	1.13	0.82
tblVehicleEF	MHD	1.41	1.24
tblVehicleEF	MHD	6.8560e-003	6.5190e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	6.3070e-003	5.9970e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
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tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.36

tblVehicleEF	MHD	0.68	0.59
tblVehicleEF	MHD	6.4280e-003	6.4270e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.3200e-004	7.0700e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.72	0.63
tblVehicleEF	MHD	8.4880e-003	8.8130e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
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tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	12.35	10.62
tblVehicleEF	MHD	525.45	525.31
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.63	3.24
tblVehicleEF	MHD	1.18	0.86
tblVehicleEF	MHD	1.46	1.28
tblVehicleEF	MHD	9.8950e-003	9.4090e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	9.1040e-003	8.6570e-003
tblVehicleEF	MHD	0.05	0.05

tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.75	0.65
tblVehicleEF	MHD	5.5700e-003	5.5690e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.6400e-004	7.3400e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.21	0.22
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
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tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.54	8.41
tblVehicleEF	OBUS	534.43	533.48
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	32.73	32.73
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.88	3.20

tblVehicleEF	OBUS	1.47	0.99
tblVehicleEF	OBUS	1.34	1.19
tblVehicleEF	OBUS	9.0830e-003	8.7920e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	8.3560e-003	8.0880e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.52	0.56
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	5.6650e-003	5.6550e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.3100e-004	5.1100e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.61	0.54
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	2.21	2.40
tblVehicleEF	OBUS	1.14	0.91
tblVehicleEF	OBUS	7.63	6.74
tblVehicleEF	OBUS	566.19	565.17
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	4.00	3.30
tblVehicleEF	OBUS	1.37	0.92
tblVehicleEF	OBUS	1.28	1.14
tblVehicleEF	OBUS	7.6570e-003	7.4120e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	7.0440e-003	6.8190e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.51	0.45
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tblVehicleEF	OBUS	9.8270e-003	9.8080e-003
tblVehicleEF	OBUS	4.9900e-004	4.8300e-004

tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.55	0.60
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	4.19	4.55
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.03	7.97
tblVehicleEF	OBUS	490.59	489.71
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.71	3.06
tblVehicleEF	OBUS	1.45	0.97
tblVehicleEF	OBUS	1.32	1.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03

tblVehicleEF	OBUS	0.56	0.60
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	5.2000e-003	5.1910e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.2200e-004	5.0400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.63	0.69
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	SBUS	4.5470e-003	4.7360e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.09	1.15
tblVehicleEF	SBUS	1.84	1.59
tblVehicleEF	SBUS	21.62	19.07
tblVehicleEF	SBUS	550.57	554.02
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	115.30	115.30
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.45	7.25
tblVehicleEF	SBUS	6.96	6.63
tblVehicleEF	SBUS	1.88	1.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.37	1.22
tblVehicleEF	SBUS	5.8360e-003	5.8730e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6620e-003	1.6170e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.47	1.30
tblVehicleEF	SBUS	4.2850e-003	4.4640e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	0.79	0.84
tblVehicleEF	SBUS	1.88	1.63
tblVehicleEF	SBUS	18.12	16.06
tblVehicleEF	SBUS	583.28	586.94

tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.69	7.49
tblVehicleEF	SBUS	6.54	6.23
tblVehicleEF	SBUS	1.76	1.62
tblVehicleEF	SBUS	0.01	9.9990e-003
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	9.7360e-003	9.1990e-003
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.23	1.09
tblVehicleEF	SBUS	6.1830e-003	6.2220e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6020e-003	1.5660e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.24

tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.31	1.17
tblVehicleEF	SBUS	4.9080e-003	5.1130e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.50	1.59
tblVehicleEF	SBUS	1.83	1.59
tblVehicleEF	SBUS	21.58	19.06
tblVehicleEF	SBUS	505.40	508.57
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.12	6.93
tblVehicleEF	SBUS	6.86	6.54
tblVehicleEF	SBUS	1.90	1.75
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.38	1.23

tblVehicleEF	SBUS	5.3580e-003	5.3910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6610e-003	1.6170e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.47	1.31
tblVehicleEF	UBUS	4.94	4.58
tblVehicleEF	UBUS	17.81	16.92
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.94	7.57
tblVehicleEF	UBUS	2.62	2.55
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.54	1.49
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7100e-004	9.5500e-004
tblVehicleEF	UBUS	0.01	0.01

tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.64	1.59
tblVehicleEF	UBUS	5.03	4.67
tblVehicleEF	UBUS	14.85	14.13
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.40	7.06
tblVehicleEF	UBUS	2.49	2.43
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.66	0.60
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.38	1.34
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.1900e-004	9.0700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.66
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.48	1.43

tblVehicleEF	UBUS	4.94	4.59
tblVehicleEF	UBUS	17.30	16.44
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.79	7.43
tblVehicleEF	UBUS	2.60	2.54
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.51	1.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.6200e-004	9.4700e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.62	1.57
tblWoodstoves	NumberCatalytic	49.70	0.00
tblWoodstoves	NumberNoncatalytic	49.70	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2017	20.1414	226.4405	156.2013	0.1987	38.7460	10.8182	49.5642	17.5908	9.9527	27.5435	0.0000	20,139.0098	20,139.0098	5.9933	0.0000	20,264.8691
2018	22.8958	180.6491	132.0428	0.2011	20.7915	8.6466	29.4381	7.6897	7.9549	15.6446	0.0000	20,001.2631	20,001.2631	6.0229	0.0000	20,127.7443
2019	19.1216	35.4800	61.9800	0.1448	7.4965	1.6397	9.1361	2.0080	1.5452	3.5531	0.0000	12,104.4733	12,104.4733	0.9384	0.0000	12,124.1799
2020	18.6698	31.9237	59.0589	0.1448	7.4963	1.4339	8.9303	2.0079	1.3511	3.3590	0.0000	11,746.4521	11,746.4521	0.9123	0.0000	11,765.6110
2021	18.3035	28.5354	56.9623	0.1454	7.4962	1.2429	8.7391	2.0079	1.1707	3.1785	0.0000	11,693.0502	11,693.0502	0.8947	0.0000	11,711.8396
Total	99.1321	503.0288	466.2452	0.8347	82.0266	23.7812	105.8078	31.3042	21.9745	53.2787	0.0000	75,684.2485	75,684.2485	14.7617	0.0000	75,994.2439

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					
2017	4.8885	92.1501	117.2491	0.1987	15.5269	4.0484	19.5752	6.9707	4.0480	11.0187	0.0000	20,139.0098	20,139.0098	5.9933	0.0000	20,264.8691
2018	20.0403	93.2271	124.3586	0.2011	8.5928	4.2939	12.8867	3.1274	4.2935	7.4209	0.0000	20,001.2631	20,001.2631	6.0229	0.0000	20,127.7443
2019	18.3997	31.1014	62.7501	0.1448	7.4965	1.4201	8.9166	2.0080	1.3758	3.3838	0.0000	12,104.4733	12,104.4733	0.9384	0.0000	12,124.1799
2020	18.0525	28.6815	60.0415	0.1448	7.4963	1.3022	8.7986	2.0079	1.2626	3.2705	0.0000	11,746.4521	11,746.4521	0.9123	0.0000	11,765.6110
2021	17.7792	26.3070	58.1094	0.1454	7.4962	1.1890	8.6852	2.0079	1.1537	3.1616	0.0000	11,693.0502	11,693.0502	0.8947	0.0000	11,711.8396

Total	79.1602	271.4671	422.5087	0.8347	46.6087	12.2536	58.8623	16.1218	12.1335	28.2553	0.0000	75,684.24 85	75,684.248 5	14.7617	0.0000	75,994.24 38
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	20.15	46.03	9.38	0.00	43.18	48.47	44.37	48.50	44.78	46.97	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Energy	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Mobile	27.5703	67.2335	321.0614	1.1187	72.6459	1.4942	74.1401	19.4024	1.3779	20.7803		84,056.2226	84,056.2226	2.4243		84,107.1329
Total	78.2177	75.6340	406.5228	1.1706	72.6459	3.8828	76.5287	19.4024	3.7525	23.1549	0.0000	114,766.1925	114,766.1925	3.1532	0.5603	115,006.1049

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	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Energy	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Mobile	27.5703	67.2335	321.0614	1.1187	72.6459	1.4942	74.1401	19.4024	1.3779	20.7803		84,056.2226	84,056.2226	2.4243		84,107.1329

Total	78.2177	75.6340	406.5228	1.1706	72.6459	3.8828	76.5287	19.4024	3.7525	23.1549	0.0000	114,766.1925	114,766.1925	3.1532	0.5603	115,006.1049
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	5/1/2017	5	86	
2	Site Preparation	Site Preparation	4/1/2017	6/1/2017	5	44	
3	Grading	Grading	6/1/2017	6/29/2018	5	282	
4	Wet Utilities	Trenching	1/1/2018	10/1/2018	5	196	
5	Paving	Paving	5/1/2018	11/30/2018	5	154	
6	Building Construction	Building Construction	8/1/2018	12/31/2021	5	891	
7	Architectural Coating	Architectural Coating	10/1/2018	12/31/2021	5	1043	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2115

Acres of Paving: 0

Residential Indoor: 3,623,130; Residential Outdoor: 1,207,710; Non-Residential Indoor: 13,721; Non-Residential Outdoor: 4,574

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	3	8.00	162	0.38
Grading	Graders	3	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	6	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Wet Utilities	Excavators	1	8.00	162	0.38
Wet Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	118.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Wet Utilities	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	486.00	156.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.2976	0.0000	0.2976	0.0451	0.0000	0.0451			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	0.2976	2.1252	2.4228	0.0451	1.9797	2.0248		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0228	0.3471	0.2610	1.0100e-003	0.0239	5.3900e-003	0.0293	6.5500e-003	4.9600e-003	0.0115		99.7452	99.7452	7.1000e-004		99.7602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0703	0.9281	2.1100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		168.2965	168.2965	7.9800e-003		168.4640
Total	0.0801	0.4174	1.1891	3.1200e-003	0.1916	6.5900e-003	0.1982	0.0510	6.0600e-003	0.0571		268.0417	268.0417	8.6900e-003		268.2242

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					0.1161	0.0000	0.1161	0.0176	0.0000	0.0176			0.0000			0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.1161	0.9880	1.1041	0.0176	0.9880	1.0056	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0228	0.3471	0.2610	1.0100e-003	0.0239	5.3900e-003	0.0293	6.5500e-003	4.9600e-003	0.0115		99.7452	99.7452	7.1000e-004		99.7602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0703	0.9281	2.1100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		168.2965	168.2965	7.9800e-003		168.4640
Total	0.0801	0.4174	1.1891	3.1200e-003	0.1916	6.5900e-003	0.1982	0.0510	6.0600e-003	0.0571		268.0417	268.0417	8.6900e-003		268.2242

3.3 Site Preparation - 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					

Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568
Total	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568
Total	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	15.0700	174.4011	113.0298	0.1510		8.0591	8.0591		7.4144	7.4144		15,451.5182	15,451.5182	4.7343		15,550.9389
Total	15.0700	174.4011	113.0298	0.1510	19.9979	8.0591	28.0570	7.4793	7.4144	14.8936		15,451.5182	15,451.5182	4.7343		15,550.9389

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306	482.4499	482.4499	0.0229	482.9302		
Total	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306	482.4499	482.4499	0.0229	482.9302		

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302
Total	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	13.1050	149.4928	100.8719	0.1510		6.8033	6.8033		6.2590	6.2590		15,205.6442	15,205.6442	4.7337		15,305.0524
Total	13.1050	149.4928	100.8719	0.1510	19.9979	6.8033	26.8012	7.4793	6.2590	13.7383		15,205.6442	15,205.6442	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658
Total	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658
Total	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658

3.5 Wet Utilities - 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	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050
Total	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804
Total	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804

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	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050
Total	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804
Total	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804

3.6 Paving - 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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7305	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003	162.0927	
Total	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003	162.0927	

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	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6681	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927
Total	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927

3.7 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387			2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1304	11.3589	13.8598	0.0338	0.9800	0.1893	1.1693	0.2798	0.1741	0.4539		3,288.2267	3,288.2267	0.0235		3,288.7203
Worker	1.6593	2.0563	27.1816	0.0683	5.4323	0.0379	5.4702	1.4407	0.0351	1.4757		5,246.7912	5,246.7912	0.2387		5,251.8041
Total	2.7897	13.4151	41.0414	0.1021	6.4123	0.2271	6.6395	1.7205	0.2091	1.9296		8,535.0179	8,535.0179	0.2622		8,540.5244

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	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1304	11.3589	13.8598	0.0338	0.9800	0.1893	1.1693	0.2798	0.1741	0.4539		3,288.2267	3,288.2267	0.0235		3,288.7203
Worker	1.6593	2.0563	27.1816	0.0683	5.4323	0.0379	5.4702	1.4407	0.0351	1.4757		5,246.7912	5,246.7912	0.2387		5,251.8041
Total	2.7897	13.4151	41.0414	0.1021	6.4123	0.2271	6.6395	1.7205	0.2091	1.9296		8,535.0179	8,535.0179	0.2622		8,540.5244

3.7 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0715	10.4316	13.4438	0.0336	0.9799	0.1815	1.1614	0.2797	0.1670	0.4467		3,213.0343	3,213.0343	0.0227		3,213.5113
Worker	1.5100	1.8740	24.6539	0.0679	5.4323	0.0370	5.4693	1.4407	0.0343	1.4750		5,026.0813	5,026.0813	0.2201		5,030.7031
Total	2.5815	12.3056	38.0977	0.1015	6.4122	0.2185	6.6307	1.7204	0.2013	1.9217		8,239.1156	8,239.1156	0.2428		8,244.2144

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	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0715	10.4316	13.4438	0.0336	0.9799	0.1815	1.1614	0.2797	0.1670	0.4467		3,213.0343	3,213.0343	0.0227		3,213.5113
Worker	1.5100	1.8740	24.6539	0.0679	5.4323	0.0370	5.4693	1.4407	0.0343	1.4750		5,026.0813	5,026.0813	0.2201		5,030.7031
Total	2.5815	12.3056	38.0977	0.1015	6.4122	0.2185	6.6307	1.7204	0.2013	1.9217		8,239.1156	8,239.1156	0.2428		8,244.2144

3.7 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Vendor	1.0124	9.0804	12.9670	0.0335	0.9798	0.1659	1.1457	0.2797	0.1526	0.4323	3,139.4829	3,139.4829	0.0222		3,139.9494	
Worker	1.4032	1.7302	22.8845	0.0679	5.4323	0.0369	5.4692	1.4407	0.0342	1.4749	4,820.8542	4,820.8542	0.2075		4,825.2114	
Total	2.4157	10.8106	35.8515	0.1014	6.4121	0.2028	6.6149	1.7204	0.1868	1.9072	7,960.3372	7,960.3372	0.2297		7,965.1608	

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	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0124	9.0804	12.9670	0.0335	0.9798	0.1659	1.1457	0.2797	0.1526	0.4323	3,139.4829	3,139.4829	0.0222		3,139.9494	

Worker	1.4032	1.7302	22.8845	0.0679	5.4323	0.0369	5.4692	1.4407	0.0342	1.4749		4,820.8542	4,820.8542	0.2075		4,825.2114
Total	2.4157	10.8106	35.8515	0.1014	6.4121	0.2028	6.6149	1.7204	0.1868	1.9072		7,960.3372	7,960.3372	0.2297		7,965.1608

3.7 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9779	7.7227	12.5907	0.0336	0.9797	0.1490	1.1287	0.2796	0.1371	0.4167		3,148.8442	3,148.8442	0.0226		3,149.3197
Worker	1.3279	1.6220	21.6878	0.0684	5.4323	0.0374	5.4697	1.4407	0.0347	1.4754		4,768.2820	4,768.2820	0.2002		4,772.4867
Total	2.3058	9.3446	34.2785	0.1020	6.4120	0.1864	6.5984	1.7203	0.1718	1.8921		7,917.1263	7,917.1263	0.2229		7,921.8064

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	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.9779	7.7227	12.5907	0.0336	0.9797	0.1490	1.1287	0.2796	0.1371	0.4167		3,148.8442	3,148.8442	0.0226		3,149.3197
Worker	1.3279	1.6220	21.6878	0.0684	5.4323	0.0374	5.4697	1.4407	0.0347	1.4754		4,768.2820	4,768.2820	0.2002		4,772.4867
Total	2.3058	9.3446	34.2785	0.1020	6.4120	0.1864	6.5984	1.7203	0.1718	1.8921		7,917.1263	7,917.1263	0.2229		7,921.8064

3.8 Architectural Coating - 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					

Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	13.9193	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3312	0.4104	5.4251	0.0136	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		1,047.1991	1,047.1991	0.0476		1,048.1996
Total	0.3312	0.4104	5.4251	0.0136	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		1,047.1991	1,047.1991	0.0476		1,048.1996

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	13.9193	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.3312	0.4104	5.4251	0.0136	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		1,047.1991	1,047.1991	0.0476			1,048.1996
Total	0.3312	0.4104	5.4251	0.0136	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		1,047.1991	1,047.1991	0.0476			1,048.1996

3.8 Architectural Coating - 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						
Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473
Total	13.8871	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238			281.9473

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
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Category	lb/day										lb/day					
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3014	0.3740	4.9206	0.0136	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		1,003.1479	1,003.1479	0.0439		1,004.0704
Total	0.3014	0.3740	4.9206	0.0136	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		1,003.1479	1,003.1479	0.0439		1,004.0704

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	13.8871	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Worker	0.3014	0.3740	4.9206	0.0136	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		1,003.1479	1,003.1479	0.0439		1,004.0704
Total	0.3014	0.3740	4.9206	0.0136	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		1,003.1479	1,003.1479	0.0439		1,004.0704

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	13.8628	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2801	0.3453	4.5675	0.0136	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		962.1870	962.1870	0.0414		963.0566
Total	0.2801	0.3453	4.5675	0.0136	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		962.1870	962.1870	0.0414		963.0566

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9057
Total	13.8628	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218			281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2801	0.3453	4.5675	0.0136	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		962.1870	962.1870	0.0414			963.0566
Total	0.2801	0.3453	4.5675	0.0136	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		962.1870	962.1870	0.0414			963.0566

3.8 Architectural Coating - 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					

Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	13.8396	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2650	0.3237	4.3286	0.0136	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		951.6942	951.6942	0.0400		952.5334
Total	0.2650	0.3237	4.3286	0.0136	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		951.6942	951.6942	0.0400		952.5334

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	13.8396	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2650	0.3237	4.3286	0.0136	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		951.6942	951.6942	0.0400		952.5334
Total	0.2650	0.3237	4.3286	0.0136	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		951.6942	951.6942	0.0400		952.5334

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.5703	67.2335	321.0614	1.1187	72.6459	1.4942	74.1401	19.4024	1.3779	20.7803		84,056.2226	84,056.2226	2.4243		84,107.1329
Unmitigated	27.5703	67.2335	321.0614	1.1187	72.6459	1.4942	74.1401	19.4024	1.3779	20.7803		84,056.2226	84,056.2226	2.4243		84,107.1329

4.2 Trip Summary Information

Average Daily Trip Rate	Unmitigated	Mitigated
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Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Single Family Housing	9,512.58	10,019.52	8,717.38	32,365,213	32,365,213
Total	9,512.58	10,019.52	8,717.38	32,365,213	32,365,213

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.465544	0.065242	0.173782	0.157607	0.057427	0.009225	0.016327	0.043721	0.001116	0.001363	0.004759	0.000651	0.003237

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
NaturalGas Mitigated	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
NaturalGas Unmitigated	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

5.2 Energy by Land Use - NaturalGas

Unmitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	80859.6	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	80.8596	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

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
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Category	lb/day										lb/day					
	Mitigated	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859
Unmitigated	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

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	3.8922						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	41.4636						0.0000	0.0000		0.0000			0.0000			0.0000
Hearth	1.9295	9.0000e-005	0.1053	0.0000			1.3331	1.3331		1.3191	0.0000	21,049.4118	21,049.4118	0.4035	0.3859	21,177.5150
Landscaping	2.4901	0.9487	82.1852	4.3300e-003			0.4530	0.4530		0.4530		147.6625	147.6625	0.1431		150.6676
Total	49.7754	0.9488	82.2904	4.3300e-003			1.7862	1.7862		1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

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	3.8922						0.0000	0.0000		0.0000			0.0000			0.0000
Consumer Products	41.4636						0.0000	0.0000		0.0000			0.0000			0.0000

Hearth	1.9295	9.0000e-005	0.1053	0.0000		1.3331	1.3331		1.3191	1.3191	0.0000	21,049.418	21,049.4118	0.4035	0.3859	21,177.5150
Landscaping	2.4901	0.9487	82.1852	4.3300e-003		0.4530	0.4530		0.4530	0.4530		147.6625	147.6625	0.1431		150.6676
Total	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Armstrong Ranch
San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	7.00	Acre	7.00	304,920.00	0
Single Family Housing	994.00	Dwelling Unit	191.80	1,789,200.00	2843

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7	Operational Year	2021		
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project Specific Acreage Used
- Construction Phase - Applicant Provided Construction Schedule Used
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Demolition -

Grading -

Woodstoves - Project will only include gas fireplaces per SCAQMD Regulations

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,043.00
tblConstructionPhase	NumDays	3,100.00	891.00
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	310.00	282.00
tblConstructionPhase	NumDays	220.00	154.00
tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	12/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	5/2/2022	12/31/2021

tblConstructionPhase	PhaseEndDate	7/2/2018	6/29/2018
tblConstructionPhase	PhaseEndDate	5/3/2019	11/30/2018
tblConstructionPhase	PhaseEndDate	6/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/1/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2022	10/1/2018
tblConstructionPhase	PhaseStartDate	12/1/2018	8/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2017	6/1/2017
tblConstructionPhase	PhaseStartDate	10/2/2018	5/1/2018
tblConstructionPhase	PhaseStartDate	5/2/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	6/30/2018	1/1/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	844.90	994.00
tblFireplaces	NumberNoFireplace	99.40	0.00
tblFireplaces	NumberWood	49.70	0.00
tblLandUse	LotAcreage	322.73	191.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	3.29	3.43
tblVehicleEF	HHD	1.73	1.56
tblVehicleEF	HHD	53.84	51.93
tblVehicleEF	HHD	527.95	527.57
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04

tblVehicleEF	HHD	3.62	3.31
tblVehicleEF	HHD	3.72	2.33
tblVehicleEF	HHD	3.57	3.42
tblVehicleEF	HHD	9.4770e-003	9.1820e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	8.7190e-003	8.4470e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.58	0.61
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.39	1.22
tblVehicleEF	HHD	5.5970e-003	5.5920e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4360e-003	1.4000e-003
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.67	0.69
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.49	1.30

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	2.39	2.49
tblVehicleEF	HHD	1.75	1.57
tblVehicleEF	HHD	43.00	41.62
tblVehicleEF	HHD	559.32	558.91
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.74	3.42
tblVehicleEF	HHD	3.50	2.19
tblVehicleEF	HHD	3.42	3.28
tblVehicleEF	HHD	7.9890e-003	7.7400e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	7.3500e-003	7.1210e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.55	0.57
tblVehicleEF	HHD	2.1520e-003	2.0410e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.21	1.06
tblVehicleEF	HHD	5.9290e-003	5.9250e-003

tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2600e-003	1.2340e-003
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.63	0.65
tblVehicleEF	HHD	2.1520e-003	2.0410e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.29	1.13
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	4.54	4.72
tblVehicleEF	HHD	1.74	1.56
tblVehicleEF	HHD	50.98	49.22
tblVehicleEF	HHD	484.63	484.28
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.46	3.16
tblVehicleEF	HHD	3.66	2.29
tblVehicleEF	HHD	3.53	3.39
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08

tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.63	0.66
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.35	1.18
tblVehicleEF	HHD	5.1370e-003	5.1340e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.3900e-003	1.3560e-003
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.72	0.75
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.44	1.26
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.75	0.70
tblVehicleEF	LDA	1.34	1.18
tblVehicleEF	LDA	232.89	224.48
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003

tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.91	0.84
tblVehicleEF	LDA	1.02	0.90
tblVehicleEF	LDA	252.65	243.56
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05

tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	7.5600e-004	7.5500e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.72	0.67
tblVehicleEF	LDA	1.33	1.17
tblVehicleEF	LDA	229.18	220.90
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004

tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.75	1.50
tblVehicleEF	LDT1	3.45	2.91
tblVehicleEF	LDT1	282.26	274.00
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	4.0260e-003	4.0270e-003
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10

tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	2.06	1.77
tblVehicleEF	LDT1	2.66	2.24
tblVehicleEF	LDT1	304.83	296.02
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.21	0.18
tblVehicleEF	LDT1	4.3550e-003	4.3560e-003
tblVehicleEF	LDT1	8.9500e-004	8.9100e-004
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.22	0.19

tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	3.42	2.89
tblVehicleEF	LDT1	278.02	269.87
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.00	0.90
tblVehicleEF	LDT2	1.89	1.62

tblVehicleEF	LDT2	347.75	339.67
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.7210e-003	4.7190e-003
tblVehicleEF	LDT2	1.0380e-003	1.0350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.19	1.07
tblVehicleEF	LDT2	1.45	1.24
tblVehicleEF	LDT2	376.43	367.69
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17

tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.15	0.12
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	5.1140e-003	5.1110e-003
tblVehicleEF	LDT2	1.0310e-003	1.0280e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	0.96	0.86
tblVehicleEF	LDT2	1.88	1.61
tblVehicleEF	LDT2	342.36	334.41
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003

tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.6470e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0340e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.14	0.11
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.41	3.09
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.04	0.90
tblVehicleEF	LHD1	1.17	1.10
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004

tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.31	0.27
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8700e-004	4.8300e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.33	0.29
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.80	0.67

tblVehicleEF	LHD1	2.74	2.49
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.97	0.83
tblVehicleEF	LHD1	1.13	1.06
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.28	0.24
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.7600e-004	4.7300e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03

tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.29	0.26
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.21	2.91
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.02	0.88
tblVehicleEF	LHD1	1.16	1.09
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003

tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.30	0.26
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8400e-004	4.8000e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.83	1.68
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.52	1.30
tblVehicleEF	LHD2	0.74	0.69
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003

tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1200e-004	3.1000e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.48	1.36
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.43	1.22

tblVehicleEF	LHD2	0.71	0.67
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.0600e-004	3.0500e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51

tblVehicleEF	LHD2	1.73	1.58
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.50	1.28
tblVehicleEF	LHD2	0.73	0.68
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.17	0.14
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1000e-004	3.0900e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.18	0.17

tblVehicleEF	LHD2	0.18	0.15
tblVehicleEF	MCY	20.66	20.25
tblVehicleEF	MCY	10.10	10.15
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.17	1.16
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.35	2.34
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.06	2.04
tblVehicleEF	MCY	1.9590e-003	1.9610e-003
tblVehicleEF	MCY	6.4600e-004	6.4000e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.59	2.57
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.21	2.19
tblVehicleEF	MCY	20.46	20.06
tblVehicleEF	MCY	8.84	8.85
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48

tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.31	2.29
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.80	1.79
tblVehicleEF	MCY	1.9550e-003	1.9570e-003
tblVehicleEF	MCY	6.1800e-004	6.1200e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.54	2.53
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.93	1.92
tblVehicleEF	MCY	20.17	19.77
tblVehicleEF	MCY	9.80	9.84
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004

tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.34	2.32
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	1.9510e-003	1.9530e-003
tblVehicleEF	MCY	6.3900e-004	6.3400e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.57	2.55
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.15	2.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.57	1.36
tblVehicleEF	MDV	3.36	2.91
tblVehicleEF	MDV	463.01	452.65
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.10	0.09

tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.28	0.24
tblVehicleEF	MDV	6.0300e-003	6.0310e-003
tblVehicleEF	MDV	1.3360e-003	1.3310e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.86	1.63
tblVehicleEF	MDV	2.57	2.23
tblVehicleEF	MDV	500.86	489.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.03

tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	6.5280e-003	6.5290e-003
tblVehicleEF	MDV	1.3230e-003	1.3190e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.25	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.50	1.31
tblVehicleEF	MDV	3.33	2.89
tblVehicleEF	MDV	455.91	445.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.28	0.23
tblVehicleEF	MDV	1.3360e-003	1.3300e-003

tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.56	4.94
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.66	0.61
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0500e-004	3.9400e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.37	1.09

tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	1.18	0.79
tblVehicleEF	MH	4.41	3.95
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.07	0.93
tblVehicleEF	MH	0.63	0.58
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	6.5800e-003	6.5760e-003
tblVehicleEF	MH	3.8600e-004	3.7700e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.25	4.68
tblVehicleEF	MH	598.16	598.43

tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.14	0.99
tblVehicleEF	MH	0.65	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.30	0.26
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0000e-004	3.8900e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.32	0.28
tblVehicleEF	MHD	7.8620e-003	8.1640e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.99	2.08
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	13.05	11.21
tblVehicleEF	MHD	572.41	572.27
tblVehicleEF	MHD	919.98	916.77

tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.80	3.39
tblVehicleEF	MHD	1.20	0.88
tblVehicleEF	MHD	1.47	1.29
tblVehicleEF	MHD	8.1320e-003	7.7330e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	7.4820e-003	7.1140e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.77	0.66
tblVehicleEF	MHD	6.0680e-003	6.0660e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.7600e-004	7.4400e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.19	0.20
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.10	0.09

tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.82	0.71
tblVehicleEF	MHD	7.4100e-003	7.6930e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.45	1.51
tblVehicleEF	MHD	0.54	0.45
tblVehicleEF	MHD	10.40	8.98
tblVehicleEF	MHD	606.42	606.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.92	3.50
tblVehicleEF	MHD	1.13	0.82
tblVehicleEF	MHD	1.41	1.24
tblVehicleEF	MHD	6.8560e-003	6.5190e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	6.3070e-003	5.9970e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.36

tblVehicleEF	MHD	0.68	0.59
tblVehicleEF	MHD	6.4280e-003	6.4270e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.3200e-004	7.0700e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.72	0.63
tblVehicleEF	MHD	8.4880e-003	8.8130e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	2.75	2.86
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	12.35	10.62
tblVehicleEF	MHD	525.45	525.31
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.63	3.24
tblVehicleEF	MHD	1.18	0.86
tblVehicleEF	MHD	1.46	1.28
tblVehicleEF	MHD	9.8950e-003	9.4090e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	9.1040e-003	8.6570e-003
tblVehicleEF	MHD	0.05	0.05

tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.75	0.65
tblVehicleEF	MHD	5.5700e-003	5.5690e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.6400e-004	7.3400e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.21	0.22
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	3.04	3.30
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.54	8.41
tblVehicleEF	OBUS	534.43	533.48
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	32.73	32.73
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.88	3.20

tblVehicleEF	OBUS	1.47	0.99
tblVehicleEF	OBUS	1.34	1.19
tblVehicleEF	OBUS	9.0830e-003	8.7920e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	8.3560e-003	8.0880e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.52	0.56
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	5.6650e-003	5.6550e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.3100e-004	5.1100e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.61	0.54
tblVehicleEF	OBUS	0.02	0.02

tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	2.21	2.40
tblVehicleEF	OBUS	1.14	0.91
tblVehicleEF	OBUS	7.63	6.74
tblVehicleEF	OBUS	566.19	565.17
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	4.00	3.30
tblVehicleEF	OBUS	1.37	0.92
tblVehicleEF	OBUS	1.28	1.14
tblVehicleEF	OBUS	7.6570e-003	7.4120e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	7.0440e-003	6.8190e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.51	0.45
tblVehicleEF	OBUS	6.0020e-003	5.9910e-003
tblVehicleEF	OBUS	9.8270e-003	9.8080e-003
tblVehicleEF	OBUS	4.9900e-004	4.8300e-004

tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.55	0.60
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	4.19	4.55
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.03	7.97
tblVehicleEF	OBUS	490.59	489.71
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.71	3.06
tblVehicleEF	OBUS	1.45	0.97
tblVehicleEF	OBUS	1.32	1.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03

tblVehicleEF	OBUS	0.56	0.60
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	5.2000e-003	5.1910e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.2200e-004	5.0400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.63	0.69
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	SBUS	4.5470e-003	4.7360e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.09	1.15
tblVehicleEF	SBUS	1.84	1.59
tblVehicleEF	SBUS	21.62	19.07
tblVehicleEF	SBUS	550.57	554.02
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	115.30	115.30
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.45	7.25
tblVehicleEF	SBUS	6.96	6.63
tblVehicleEF	SBUS	1.88	1.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01

tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.37	1.22
tblVehicleEF	SBUS	5.8360e-003	5.8730e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6620e-003	1.6170e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.47	1.30
tblVehicleEF	SBUS	4.2850e-003	4.4640e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	0.79	0.84
tblVehicleEF	SBUS	1.88	1.63
tblVehicleEF	SBUS	18.12	16.06
tblVehicleEF	SBUS	583.28	586.94

tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.69	7.49
tblVehicleEF	SBUS	6.54	6.23
tblVehicleEF	SBUS	1.76	1.62
tblVehicleEF	SBUS	0.01	9.9990e-003
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	9.7360e-003	9.1990e-003
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.23	1.09
tblVehicleEF	SBUS	6.1830e-003	6.2220e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6020e-003	1.5660e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.24

tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.31	1.17
tblVehicleEF	SBUS	4.9080e-003	5.1130e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.50	1.59
tblVehicleEF	SBUS	1.83	1.59
tblVehicleEF	SBUS	21.58	19.06
tblVehicleEF	SBUS	505.40	508.57
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.12	6.93
tblVehicleEF	SBUS	6.86	6.54
tblVehicleEF	SBUS	1.90	1.75
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.38	1.23

tblVehicleEF	SBUS	5.3580e-003	5.3910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6610e-003	1.6170e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.47	1.31
tblVehicleEF	UBUS	4.94	4.58
tblVehicleEF	UBUS	17.81	16.92
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.94	7.57
tblVehicleEF	UBUS	2.62	2.55
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.54	1.49
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7100e-004	9.5500e-004
tblVehicleEF	UBUS	0.01	0.01

tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.64	1.59
tblVehicleEF	UBUS	5.03	4.67
tblVehicleEF	UBUS	14.85	14.13
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.40	7.06
tblVehicleEF	UBUS	2.49	2.43
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.66	0.60
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.38	1.34
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.1900e-004	9.0700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.66
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.48	1.43

tblVehicleEF	UBUS	4.94	4.59
tblVehicleEF	UBUS	17.30	16.44
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.79	7.43
tblVehicleEF	UBUS	2.60	2.54
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.51	1.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.6200e-004	9.4700e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.62	1.57
tblWoodstoves	NumberCatalytic	49.70	0.00
tblWoodstoves	NumberNoncatalytic	49.70	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2017	20.1265	226.4598	155.6451	0.1979	38.7460	10.8182	49.5642	17.5908	9.9527	27.5435	0.0000	20,077.9418	20,077.9418	5.9933	0.0000	20,203.8011
2018	22.8250	180.6691	131.4470	0.2002	20.7915	8.6466	29.4381	7.6897	7.9549	15.6446	0.0000	19,932.7936	19,932.7936	6.0229	0.0000	20,059.2748
2019	19.0644	35.8887	59.7841	0.1372	7.4965	1.6413	9.1377	2.0080	1.5466	3.5546	0.0000	11,538.5519	11,538.5519	0.9392	0.0000	11,558.2746
2020	18.6185	32.2767	57.1392	0.1371	7.4963	1.4353	8.9316	2.0079	1.3523	3.3602	0.0000	11,202.4400	11,202.4400	0.9131	0.0000	11,221.6155
2021	18.2553	28.8437	55.2014	0.1377	7.4962	1.2440	8.7402	2.0079	1.1717	3.1796	0.0000	11,153.4917	11,153.4917	0.8956	0.0000	11,172.2984
Total	98.8897	504.1380	459.2167	0.8101	82.0266	23.7853	105.8119	31.3042	21.9782	53.2824	0.0000	73,905.2189	73,905.2189	14.7641	0.0000	74,215.2644

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					
2017	4.8736	92.1694	116.6929	0.1979	15.5269	4.0484	19.5752	6.9707	4.0480	11.0187	0.0000	20,077.9418	20,077.9418	5.9933	0.0000	20,203.8011
2018	19.9695	93.2471	123.7627	0.2002	8.5928	4.2939	12.8867	3.1274	4.2935	7.4209	0.0000	19,932.7936	19,932.7936	6.0229	0.0000	20,059.2748
2019	18.3426	31.5101	60.5543	0.1372	7.4965	1.4217	8.9182	2.0080	1.3773	3.3852	0.0000	11,538.5519	11,538.5519	0.9392	0.0000	11,558.2746
2020	18.0012	29.0345	58.1218	0.1371	7.4963	1.3036	8.7999	2.0079	1.2638	3.2717	0.0000	11,202.4400	11,202.4400	0.9131	0.0000	11,221.6155
2021	17.7310	26.6152	56.3485	0.1377	7.4962	1.1901	8.6863	2.0079	1.1547	3.1626	0.0000	11,153.4917	11,153.4917	0.8956	0.0000	11,172.2984

Total	78.9179	272.5763	415.4802	0.8101	46.6087	12.2577	58.8664	16.1218	12.1373	28.2591	0.0000	73,905.2188	73,905.2188	14.7641	0.0000	74,215.2643
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	20.20	45.93	9.52	0.00	43.18	48.47	44.37	48.50	44.78	46.96	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational
Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Energy	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Mobile	26.6644	70.1356	300.4700	1.0422	72.6459	1.4987	74.1446	19.4024	1.3820	20.7845		78,773.0747	78,773.0747	2.4285		78,824.0740
Total	77.3118	78.5361	385.9314	1.0941	72.6459	3.8873	76.5332	19.4024	3.7566	23.1591	0.0000	109,483.0446	109,483.0446	3.1574	0.5603	109,723.0460

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	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Energy	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Mobile	26.6644	70.1356	300.4700	1.0422	72.6459	1.4987	74.1446	19.4024	1.3820	20.7845		78,773.0747	78,773.0747	2.4285		78,824.0740

Total	77.3118	78.5361	385.9314	1.0941	72.6459	3.8873	76.5332	19.4024	3.7566	23.1591	0.0000	109,483.0 446	109,483.04 46	3.1574	0.5603	109,723.0 460
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	5/1/2017	5	86	
2	Site Preparation	Site Preparation	4/1/2017	6/1/2017	5	44	
3	Grading	Grading	6/1/2017	6/29/2018	5	282	
4	Wet Utilities	Trenching	1/1/2018	10/1/2018	5	196	
5	Paving	Paving	5/1/2018	11/30/2018	5	154	
6	Building Construction	Building Construction	8/1/2018	12/31/2021	5	891	
7	Architectural Coating	Architectural Coating	10/1/2018	12/31/2021	5	1043	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2115

Acres of Paving: 0

Residential Indoor: 3,623,130; Residential Outdoor: 1,207,710; Non-Residential Indoor: 13,721; Non-Residential Outdoor: 4,574

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	3	8.00	162	0.38
Grading	Graders	3	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	6	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Wet Utilities	Excavators	1	8.00	162	0.38
Wet Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	118.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Wet Utilities	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	486.00	156.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	97.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.2976	0.0000	0.2976	0.0451	0.0000	0.0451			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	0.2976	2.1252	2.4228	0.0451	1.9797	2.0248		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0237	0.3608	0.2902	1.0000e-003	0.0239	5.4000e-003	0.0293	6.5500e-003	4.9700e-003	0.0115		99.5065	99.5065	7.2000e-004		99.5217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0751	0.7914	1.9200e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		153.2798	153.2798	7.9800e-003		153.4473
Total	0.0773	0.4359	1.0815	2.9200e-003	0.1916	6.6000e-003	0.1982	0.0510	6.0700e-003	0.0571		252.7863	252.7863	8.7000e-003		252.9690

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					0.1161	0.0000	0.1161	0.0176	0.0000	0.0176			0.0000			0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.1161	0.9880	1.1041	0.0176	0.9880	1.0056	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0237	0.3608	0.2902	1.0000e-003	0.0239	5.4000e-003	0.0293	6.5500e-003	4.9700e-003	0.0115		99.5065	99.5065	7.2000e-004		99.5217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0751	0.7914	1.9200e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		153.2798	153.2798	7.9800e-003		153.4473
Total	0.0773	0.4359	1.0815	2.9200e-003	0.1916	6.6000e-003	0.1982	0.0510	6.0700e-003	0.0571		252.7863	252.7863	8.7000e-003		252.9690

3.3 Site Preparation - 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					

Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265		4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368
Total	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368
Total	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	15.0700	174.4011	113.0298	0.1510		8.0591	8.0591		7.4144	7.4144		15,451.5182	15,451.5182	4.7343		15,550.9389
Total	15.0700	174.4011	113.0298	0.1510	19.9979	8.0591	28.0570	7.4793	7.4144	14.8936		15,451.5182	15,451.5182	4.7343		15,550.9389

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823
Total	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823
Total	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823

3.4 Grading - 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						
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000				0.0000
Off-Road	13.1050	149.4928	100.8719	0.1510		6.8033	6.8033		6.2590	6.2590		15,205.6442	15,205.6442	4.7337			15,305.0524
Total	13.1050	149.4928	100.8719	0.1510	19.9979	6.8033	26.8012	7.4793	6.2590	13.7383		15,205.6442	15,205.6442	4.7337			15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211			423.1983
Total	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211			423.1983

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000				0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,205.6441	15,205.6441	4.7337			15,305.0524
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,205.6441	15,205.6441	4.7337			15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211			423.1983
Total	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211			423.1983

3.5 Wet Utilities - 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	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050
Total	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437
Total	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437

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	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050

Total	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050
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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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437
Total	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437

3.6 Paving - 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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7305	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273
Total	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273

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	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6681	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

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
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003	147.6273
Total	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003	147.6273

3.7 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1999	11.6507	16.1718	0.0336	0.9800	0.1910	1.1710	0.2798	0.1757	0.4555		3,260.5085	3,260.5085	0.0243		3,261.0179

Worker	1.5477	2.1931	23.1032	0.0621	5.4323	0.0379	5.4702	1.4407	0.0351	1.4757		4,778.1124	4,778.1124	0.2387		4,783.1253
Total	2.7476	13.8437	39.2750	0.0957	6.4123	0.2289	6.6412	1.7205	0.2108	1.9312		8,038.6209	8,038.6209	0.2630		8,044.1432

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	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517
Total	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1999	11.6507	16.1718	0.0336	0.9800	0.1910	1.1710	0.2798	0.1757	0.4555		3,260.5085	3,260.5085	0.0243		3,261.0179
Worker	1.5477	2.1931	23.1032	0.0621	5.4323	0.0379	5.4702	1.4407	0.0351	1.4757		4,778.1124	4,778.1124	0.2387		4,783.1253
Total	2.7476	13.8437	39.2750	0.0957	6.4123	0.2289	6.6412	1.7205	0.2108	1.9312		8,038.6209	8,038.6209	0.2630		8,044.1432

3.7 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279			2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279			2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.1377	10.6922	15.7276	0.0333	0.9799	0.1831	1.1630	0.2797	0.1684	0.4482		3,185.7309	3,185.7309	0.0235			3,186.2240
Worker	1.4071	1.9974	20.9196	0.0618	5.4323	0.0370	5.4693	1.4407	0.0343	1.4750		4,577.0789	4,577.0789	0.2201			4,581.7007
Total	2.5449	12.6896	36.6471	0.0951	6.4122	0.2201	6.6323	1.7204	0.2027	1.9231		7,762.8098	7,762.8098	0.2436			7,767.9247

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1377	10.6922	15.7276	0.0333	0.9799	0.1831	1.1630	0.2797	0.1684	0.4482		3,185.7309	3,185.7309	0.0235		3,186.2240
Worker	1.4071	1.9974	20.9196	0.0618	5.4323	0.0370	5.4693	1.4407	0.0343	1.4750		4,577.0789	4,577.0789	0.2201		4,581.7007
Total	2.5449	12.6896	36.6471	0.0951	6.4122	0.2201	6.6323	1.7204	0.2027	1.9231		7,762.8098	7,762.8098	0.2436		7,767.9247

3.7 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.0750	9.2985	15.2528	0.0333	0.9798	0.1673	1.1470	0.2797	0.1539	0.4335		3,112.7199	3,112.7199	0.0230			3,113.2029
Worker	1.3084	1.8427	19.3788	0.0618	5.4323	0.0369	5.4692	1.4407	0.0342	1.4749		4,389.6655	4,389.6655	0.2075			4,394.0226
Total	2.3833	11.1411	34.6316	0.0950	6.4121	0.2041	6.6162	1.7204	0.1881	1.9084		7,502.3853	7,502.3853	0.2305			7,507.2255

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	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194			2,555.4880
Total	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194			2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0750	9.2985	15.2528	0.0333	0.9798	0.1673	1.1470	0.2797	0.1539	0.4335		3,112.7199	3,112.7199	0.0230		3,113.2029
Worker	1.3084	1.8427	19.3788	0.0618	5.4323	0.0369	5.4692	1.4407	0.0342	1.4749		4,389.6655	4,389.6655	0.2075		4,394.0226
Total	2.3833	11.1411	34.6316	0.0950	6.4121	0.2041	6.6162	1.7204	0.1881	1.9084		7,502.3853	7,502.3853	0.2305		7,507.2255

3.7 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0372	7.9061	14.8694	0.0334	0.9797	0.1502	1.1298	0.2796	0.1381	0.4178		3,122.0781	3,122.0781	0.0235		3,122.5709
Worker	1.2383	1.7261	18.3202	0.0622	5.4323	0.0374	5.4697	1.4407	0.0347	1.4754		4,340.8084	4,340.8084	0.2002		4,345.0131
Total	2.2755	9.6321	33.1897	0.0955	6.4120	0.1876	6.5996	1.7203	0.1728	1.8931		7,462.8866	7,462.8866	0.2237		7,467.5841

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	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0372	7.9061	14.8694	0.0334	0.9797	0.1502	1.1298	0.2796	0.1381	0.4178		3,122.0781	3,122.0781	0.0235		3,122.5709
Worker	1.2383	1.7261	18.3202	0.0622	5.4323	0.0374	5.4697	1.4407	0.0347	1.4754		4,340.8084	4,340.8084	0.2002		4,345.0131

Total	2.2755	9.6321	33.1897	0.0955	6.4120	0.1876	6.5996	1.7203	0.1728	1.8931		7,462.8866	7,462.8866	0.2237		7,467.5841
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3.8 Architectural Coating - 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					
Archit. Coating	13.6207						0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	13.9193	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3089	0.4377	4.6111	0.0124	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		953.6562	953.6562	0.0476		954.6567
Total	0.3089	0.4377	4.6111	0.0124	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		953.6562	953.6562	0.0476		954.6567

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	13.9193	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3089	0.4377	4.6111	0.0124	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		953.6562	953.6562	0.0476		954.6567
Total	0.3089	0.4377	4.6111	0.0124	1.0842	7.5600e-003	1.0918	0.2875	7.0000e-003	0.2945		953.6562	953.6562	0.0476		954.6567

3.8 Architectural Coating - 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					

Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	13.8871	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2809	0.3987	4.1753	0.0123	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		913.5322	913.5322	0.0439		914.4547
Total	0.2809	0.3987	4.1753	0.0123	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		913.5322	913.5322	0.0439		914.4547

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	13.6207						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	13.8871	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2809	0.3987	4.1753	0.0123	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		913.5322	913.5322	0.0439			914.4547
Total	0.2809	0.3987	4.1753	0.0123	1.0842	7.3800e-003	1.0916	0.2875	6.8400e-003	0.2944		913.5322	913.5322	0.0439			914.4547

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218			281.9057
Total	13.8628	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218			281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2611	0.3678	3.8678	0.0123	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		876.1267	876.1267	0.0414		876.9963
Total	0.2611	0.3678	3.8678	0.0123	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		876.1267	876.1267	0.0414		876.9963

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	13.8628	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2611	0.3678	3.8678	0.0123	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		876.1267	876.1267	0.0414		876.9963
Total	0.2611	0.3678	3.8678	0.0123	1.0842	7.3600e-003	1.0916	0.2875	6.8300e-003	0.2944		876.1267	876.1267	0.0414		876.9963

3.8 Architectural Coating - 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					
Archit. Coating	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537
Total	13.8396	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2472	0.3445	3.6565	0.0124	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		866.3754	866.3754	0.0400		867.2146
Total	0.2472	0.3445	3.6565	0.0124	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		866.3754	866.3754	0.0400		867.2146

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	13.6207					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	13.8396	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2472	0.3445	3.6565	0.0124	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		866.3754	866.3754	0.0400		867.2146
Total	0.2472	0.3445	3.6565	0.0124	1.0842	7.4700e-003	1.0917	0.2875	6.9200e-003	0.2945		866.3754	866.3754	0.0400		867.2146

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.6644	70.1356	300.4700	1.0422	72.6459	1.4987	74.1446	19.4024	1.3820	20.7845		78,773.0747	78,773.0747	2.4285		78,824.0740
Unmitigated	26.6644	70.1356	300.4700	1.0422	72.6459	1.4987	74.1446	19.4024	1.3820	20.7845		78,773.0747	78,773.0747	2.4285		78,824.0740

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Parking Lot	0.00	0.00	0.00		
Single Family Housing	9,512.58	10,019.52	8,717.38	32,365,213	32,365,213
Total	9,512.58	10,019.52	8,717.38	32,365,213	32,365,213

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.465544	0.065242	0.173782	0.157607	0.057427	0.009225	0.016327	0.043721	0.001116	0.001363	0.004759	0.000651	0.003237

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
NaturalGas Unmitigated	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	80859.6	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Total		0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					

Single Family Housing	80.8596	0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.8720	7.4518	3.1710	0.0476		0.6025	0.6025		0.6025	0.6025		9,512.8956	9,512.8956	0.1823	0.1744	9,570.7895

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	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826
Unmitigated	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

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	3.8922					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.4636					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.9295	9.0000e-005	0.1053	0.0000		1.3331	1.3331		1.3191	1.3191	0.0000	21,049.4718	21,049.4118	0.4035	0.3859	21,177.5150

Landscaping	2.4901	0.9487	82.1852	4.3300e-003		0.4530	0.4530		0.4530	0.4530		147.6625	147.6625	0.1431		150.6676
Total	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

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	3.8922					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.4636					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.9295	9.0000e-005	0.1053	0.0000		1.3331	1.3331		1.3191	1.3191	0.0000	21,049.4118	21,049.4118	0.4035	0.3859	21,177.5150
Landscaping	2.4901	0.9487	82.1852	4.3300e-003		0.4530	0.4530		0.4530	0.4530			147.6625	147.6625	0.1431	150.6676
Total	49.7754	0.9488	82.2904	4.3300e-003		1.7862	1.7862		1.7721	1.7721	0.0000	21,197.0743	21,197.0743	0.5466	0.3859	21,328.1826

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Armstrong Ranch
San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	1,000.00	Student	10.00	83,603.37	0
Other Asphalt Surfaces	7.00	Acre	7.00	304,920.00	0
Single Family Housing	944.00	Dwelling Unit	181.80	1,699,200.00	2700

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project Specific Acreage Used
- Construction Phase - Applicant Provided Construction Schedule Used
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment - Project Applicant Provided Equipment Counts Used

Demolition -

Grading -

Vehicle Trips - Trip rate from project traffic engineer used

Woodstoves - Project will only include gas fireplaces per SCAQMD Regulations

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
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tblConstructionPhase	NumDays	3,100.00	891.00
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	310.00	282.00
tblConstructionPhase	NumDays	220.00	154.00

tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	12/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	5/2/2022	12/31/2021
tblConstructionPhase	PhaseEndDate	7/2/2018	6/29/2018
tblConstructionPhase	PhaseEndDate	5/3/2019	11/30/2018
tblConstructionPhase	PhaseEndDate	6/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/1/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2022	10/1/2018
tblConstructionPhase	PhaseStartDate	12/1/2018	8/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2017	6/1/2017
tblConstructionPhase	PhaseStartDate	10/2/2018	5/1/2018
tblConstructionPhase	PhaseStartDate	5/2/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	6/30/2018	1/1/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	802.40	944.00
tblFireplaces	NumberNoFireplace	94.40	0.00
tblFireplaces	NumberWood	47.20	0.00
tblLandUse	LotAcreage	1.92	10.00
tblLandUse	LotAcreage	306.49	181.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2021
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tblVehicleEF	HHD	0.01	9.2450e-003
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tblVehicleEF	HHD	1.73	1.56
tblVehicleEF	HHD	53.84	51.93

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tblVehicleEF	HHD	1,515.31	1,502.48
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tblVehicleEF	HHD	3.62	3.31
tblVehicleEF	HHD	3.72	2.33
tblVehicleEF	HHD	3.57	3.42
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
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tblVehicleEF	HHD	8.7190e-003	8.4470e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
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tblVehicleEF	HHD	0.58	0.61
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
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tblVehicleEF	HHD	0.28	0.26
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tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.67	0.69

tblVehicleEF	HHD	1.0630e-003	1.0300e-003
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
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tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
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tblVehicleEF	HHD	3.74	3.42
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tblVehicleEF	HHD	3.42	3.28
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
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tblVehicleEF	HHD	8.6990e-003	8.7000e-003
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tblVehicleEF	HHD	7.4900e-004	6.3200e-004
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tblVehicleEF	HHD	0.55	0.57
tblVehicleEF	HHD	2.1520e-003	2.0410e-003

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tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
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tblVehicleEF	HHD	1.0910e-003	1.0470e-003
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tblVehicleEF	LDA	0.07	0.06

tblVehicleEF	LDA	0.08	0.07
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tblVehicleEF	LDA	1.6450e-003	1.7130e-003
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tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
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tblVehicleEF	LDA	0.08	0.07
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tblVehicleEF	LDA	1.6450e-003	1.7130e-003

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tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.20	0.19
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tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
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tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03

tblVehicleEF	LDA	0.01	0.01
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tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
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tblVehicleEF	LDT1	0.01	0.01
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tblVehicleEF	LDT1	3.45	2.91
tblVehicleEF	LDT1	282.26	274.00
tblVehicleEF	LDT1	61.73	59.88
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tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.20	0.17
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tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
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tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.25	0.21
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tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
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tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.77	0.70
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tblVehicleEF	LDT1	0.01	0.01
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tblVehicleEF	LDT1	61.73	59.88
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tblVehicleEF	LDT1	0.16	0.13
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tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.21	0.18
tblVehicleEF	LDT1	4.3550e-003	4.3560e-003
tblVehicleEF	LDT1	8.9500e-004	8.9100e-004
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25

tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.22	0.19
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	3.42	2.89
tblVehicleEF	LDT1	278.02	269.87
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
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tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.27	0.22

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.00	0.90
tblVehicleEF	LDT2	1.89	1.62
tblVehicleEF	LDT2	347.75	339.67
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.7210e-003	4.7190e-003
tblVehicleEF	LDT2	1.0380e-003	1.0350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.19	1.07

tblVehicleEF	LDT2	1.45	1.24
tblVehicleEF	LDT2	376.43	367.69
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.15	0.12
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	5.1140e-003	5.1110e-003
tblVehicleEF	LDT2	1.0310e-003	1.0280e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	0.96	0.86
tblVehicleEF	LDT2	1.88	1.61
tblVehicleEF	LDT2	342.36	334.41
tblVehicleEF	LDT2	75.73	73.83

tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.6470e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0340e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.14	0.11
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.41	3.09
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06

tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.04	0.90
tblVehicleEF	LHD1	1.17	1.10
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.31	0.27
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8700e-004	4.8300e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.33	0.29
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003

tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.80	0.67
tblVehicleEF	LHD1	2.74	2.49
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.97	0.83
tblVehicleEF	LHD1	1.13	1.06
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.28	0.24
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003

tblVehicleEF	LHD1	4.7600e-004	4.7300e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.29	0.26
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.21	2.91
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.02	0.88
tblVehicleEF	LHD1	1.16	1.09
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004

tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.30	0.26
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8400e-004	4.8000e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.83	1.68
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.52	1.30
tblVehicleEF	LHD2	0.74	0.69
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1200e-004	3.1000e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.48	1.36
tblVehicleEF	LHD2	498.03	497.83

tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.43	1.22
tblVehicleEF	LHD2	0.71	0.67
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.0600e-004	3.0500e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004

tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.73	1.58
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.50	1.28
tblVehicleEF	LHD2	0.73	0.68
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.17	0.14
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1000e-004	3.0900e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.18	0.15
tblVehicleEF	MCY	20.66	20.25
tblVehicleEF	MCY	10.10	10.15
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.17	1.16
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.35	2.34
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.06	2.04
tblVehicleEF	MCY	1.9590e-003	1.9610e-003
tblVehicleEF	MCY	6.4600e-004	6.4000e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.59	2.57
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.21	2.19

tblVehicleEF	MCY	20.46	20.06
tblVehicleEF	MCY	8.84	8.85
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.31	2.29
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.80	1.79
tblVehicleEF	MCY	1.9550e-003	1.9570e-003
tblVehicleEF	MCY	6.1800e-004	6.1200e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.54	2.53
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.93	1.92
tblVehicleEF	MCY	20.17	19.77
tblVehicleEF	MCY	9.80	9.84
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003

tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.34	2.32
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	1.9510e-003	1.9530e-003
tblVehicleEF	MCY	6.3900e-004	6.3400e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.57	2.55
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.15	2.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.57	1.36
tblVehicleEF	MDV	3.36	2.91
tblVehicleEF	MDV	463.01	452.65
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003

tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.28	0.24
tblVehicleEF	MDV	6.0300e-003	6.0310e-003
tblVehicleEF	MDV	1.3360e-003	1.3310e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.86	1.63
tblVehicleEF	MDV	2.57	2.23
tblVehicleEF	MDV	500.86	489.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003

tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	6.5280e-003	6.5290e-003
tblVehicleEF	MDV	1.3230e-003	1.3190e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.25	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.50	1.31
tblVehicleEF	MDV	3.33	2.89
tblVehicleEF	MDV	455.91	445.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08

tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.28	0.23
tblVehicleEF	MDV	1.3360e-003	1.3300e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.56	4.94
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.66	0.61
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0500e-004	3.9400e-004
tblVehicleEF	MH	0.94	0.77

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	1.18	0.79
tblVehicleEF	MH	4.41	3.95
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.07	0.93
tblVehicleEF	MH	0.63	0.58
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	6.5800e-003	6.5760e-003
tblVehicleEF	MH	3.8600e-004	3.7700e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	1.37	1.08

tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.25	4.68
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.14	0.99
tblVehicleEF	MH	0.65	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.30	0.26
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0000e-004	3.8900e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.32	0.28
tblVehicleEF	MHD	7.8620e-003	8.1640e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.99	2.08

tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	13.05	11.21
tblVehicleEF	MHD	572.41	572.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.80	3.39
tblVehicleEF	MHD	1.20	0.88
tblVehicleEF	MHD	1.47	1.29
tblVehicleEF	MHD	8.1320e-003	7.7330e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	7.4820e-003	7.1140e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.77	0.66
tblVehicleEF	MHD	6.0680e-003	6.0660e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.7600e-004	7.4400e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003

tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.19	0.20
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.82	0.71
tblVehicleEF	MHD	7.4100e-003	7.6930e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.45	1.51
tblVehicleEF	MHD	0.54	0.45
tblVehicleEF	MHD	10.40	8.98
tblVehicleEF	MHD	606.42	606.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.92	3.50
tblVehicleEF	MHD	1.13	0.82
tblVehicleEF	MHD	1.41	1.24
tblVehicleEF	MHD	6.8560e-003	6.5190e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	6.3070e-003	5.9970e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.68	0.59
tblVehicleEF	MHD	6.4280e-003	6.4270e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.3200e-004	7.0700e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.72	0.63
tblVehicleEF	MHD	8.4880e-003	8.8130e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
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tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	12.35	10.62
tblVehicleEF	MHD	525.45	525.31
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.63	3.24
tblVehicleEF	MHD	1.18	0.86
tblVehicleEF	MHD	1.46	1.28
tblVehicleEF	MHD	9.8950e-003	9.4090e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	9.1040e-003	8.6570e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.75	0.65
tblVehicleEF	MHD	5.5700e-003	5.5690e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.6400e-004	7.3400e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.21	0.22
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	3.04	3.30
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.54	8.41
tblVehicleEF	OBUS	534.43	533.48

tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	32.73	32.73
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.88	3.20
tblVehicleEF	OBUS	1.47	0.99
tblVehicleEF	OBUS	1.34	1.19
tblVehicleEF	OBUS	9.0830e-003	8.7920e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	8.3560e-003	8.0880e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.52	0.56
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	5.6650e-003	5.6550e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
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tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004

tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.61	0.54
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	2.21	2.40
tblVehicleEF	OBUS	1.14	0.91
tblVehicleEF	OBUS	7.63	6.74
tblVehicleEF	OBUS	566.19	565.17
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	4.00	3.30
tblVehicleEF	OBUS	1.37	0.92
tblVehicleEF	OBUS	1.28	1.14
tblVehicleEF	OBUS	7.6570e-003	7.4120e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	7.0440e-003	6.8190e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
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tblVehicleEF	OBUS	0.30	0.29

tblVehicleEF	OBUS	0.51	0.45
tblVehicleEF	OBUS	6.0020e-003	5.9910e-003
tblVehicleEF	OBUS	9.8270e-003	9.8080e-003
tblVehicleEF	OBUS	4.9900e-004	4.8300e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.55	0.60
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	4.19	4.55
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.03	7.97
tblVehicleEF	OBUS	490.59	489.71
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.71	3.06
tblVehicleEF	OBUS	1.45	0.97
tblVehicleEF	OBUS	1.32	1.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.56	0.60
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	5.2000e-003	5.1910e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.2200e-004	5.0400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.63	0.69
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	SBUS	4.5470e-003	4.7360e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.09	1.15
tblVehicleEF	SBUS	1.84	1.59
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tblVehicleEF	SBUS	550.57	554.02
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	115.30	115.30
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.45	7.25
tblVehicleEF	SBUS	6.96	6.63

tblVehicleEF	SBUS	1.88	1.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.37	1.22
tblVehicleEF	SBUS	5.8360e-003	5.8730e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6620e-003	1.6170e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.47	1.30
tblVehicleEF	SBUS	4.2850e-003	4.4640e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003

tblVehicleEF	SBUS	0.79	0.84
tblVehicleEF	SBUS	1.88	1.63
tblVehicleEF	SBUS	18.12	16.06
tblVehicleEF	SBUS	583.28	586.94
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.69	7.49
tblVehicleEF	SBUS	6.54	6.23
tblVehicleEF	SBUS	1.76	1.62
tblVehicleEF	SBUS	0.01	9.9990e-003
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	9.7360e-003	9.1990e-003
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.23	1.09
tblVehicleEF	SBUS	6.1830e-003	6.2220e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6020e-003	1.5660e-003
tblVehicleEF	SBUS	0.06	0.05

tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.31	1.17
tblVehicleEF	SBUS	4.9080e-003	5.1130e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.50	1.59
tblVehicleEF	SBUS	1.83	1.59
tblVehicleEF	SBUS	21.58	19.06
tblVehicleEF	SBUS	505.40	508.57
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.12	6.93
tblVehicleEF	SBUS	6.86	6.54
tblVehicleEF	SBUS	1.90	1.75
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.11	0.11

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.38	1.23
tblVehicleEF	SBUS	5.3580e-003	5.3910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6610e-003	1.6170e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.47	1.31
tblVehicleEF	UBUS	4.94	4.58
tblVehicleEF	UBUS	17.81	16.92
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.94	7.57
tblVehicleEF	UBUS	2.62	2.55
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.23	1.26

tblVehicleEF	UBUS	1.54	1.49
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7100e-004	9.5500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.64	1.59
tblVehicleEF	UBUS	5.03	4.67
tblVehicleEF	UBUS	14.85	14.13
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.40	7.06
tblVehicleEF	UBUS	2.49	2.43
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.66	0.60
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.38	1.34
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.1900e-004	9.0700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19

tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.66
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.48	1.43
tblVehicleEF	UBUS	4.94	4.59
tblVehicleEF	UBUS	17.30	16.44
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.79	7.43
tblVehicleEF	UBUS	2.60	2.54
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.51	1.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.6200e-004	9.4700e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.62	1.57
tblVehicleTrips	WD_TR	1.29	0.51

tblWoodstoves	NumberCatalytic	47.20	0.00
tblWoodstoves	NumberNoncatalytic	47.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2017	20.1414	226.4405	156.2013	0.1987	38.7460	10.8182	49.5642	17.5908	9.9527	27.5435	0.0000	20,139.0098	20,139.0098	5.9933	0.0000	20,264.8691
2018	30.7874	180.6491	132.0428	0.2011	20.7915	8.6466	29.4381	7.6897	7.9549	15.6446	0.0000	20,001.2631	20,001.2631	6.0229	0.0000	20,127.7443
2019	27.0033	36.1628	63.8209	0.1497	7.7877	1.6518	9.4395	2.0863	1.5563	3.6426	0.0000	12,507.0170	12,507.0170	0.9492	0.0000	12,526.9508
2020	26.5435	32.5223	60.7958	0.1496	7.7876	1.4451	9.2327	2.0863	1.3613	3.4476	0.0000	12,135.8846	12,135.8846	0.9226	0.0000	12,155.2588
2021	26.1719	29.0511	58.6258	0.1503	7.7875	1.2531	9.0406	2.0862	1.1801	3.2663	0.0000	12,080.7512	12,080.7512	0.9047	0.0000	12,099.7497
Total	130.6475	504.8258	471.4865	0.8493	82.9004	23.8147	106.7150	31.5394	22.0053	53.5447	0.0000	76,863.9257	76,863.9257	14.7927	0.0000	77,174.5726

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					

2017	4.8885	92.1501	117.2491	0.1987	15.5269	4.0484	19.5752	6.9707	4.0480	11.0187	0.0000	20,139.0098	20,139.0098	5.9933	0.0000	20,264.8691
2018	27.9319	93.2271	124.3586	0.2011	8.5928	4.2939	12.8867	3.1274	4.2935	7.4209	0.0000	20,001.2631	20,001.2631	6.0229	0.0000	20,127.7443
2019	26.2815	31.7842	64.5910	0.1497	7.7877	1.4322	9.2199	2.0863	1.3869	3.4733	0.0000	12,507.0170	12,507.0170	0.9492	0.0000	12,526.9508
2020	25.9262	29.2801	61.7784	0.1496	7.7876	1.3134	9.1010	2.0863	1.2728	3.3591	0.0000	12,135.8846	12,135.8846	0.9226	0.0000	12,155.2588
2021	25.6476	26.8226	59.7729	0.1503	7.7875	1.1992	8.9867	2.0862	1.1631	3.2493	0.0000	12,080.7512	12,080.7512	0.9047	0.0000	12,099.7497
Total	110.6756	273.2641	427.7500	0.8493	47.4825	12.2870	59.7695	16.3570	12.1643	28.5213	0.0000	76,863.9257	76,863.9257	14.7927	0.0000	77,174.5726

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.29	45.87	9.28	0.00	42.72	48.41	43.99	48.14	44.72	46.73	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Energy	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
Mobile	27.5907	67.2976	321.3599	1.1198	72.7210	1.4957	74.2167	19.4225	1.3793	20.8018		84,142.2266	84,142.2266	2.4267		84,193.1878
Total	80.0985	75.5289	402.8370	1.1707	72.7210	3.7837	76.5047	19.4225	3.6540	23.0765	0.0000	113,610.5337	113,610.5337	3.1253	0.5377	113,842.8454

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	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Energy	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
Mobile	27.5907	67.2976	321.3599	1.1198	72.7210	1.4957	74.2167	19.4225	1.3793	20.8018		84,142.2266	84,142.2266	2.4267		84,193.1878
Total	80.0985	75.5289	402.8370	1.1707	72.7210	3.7837	76.5047	19.4225	3.6540	23.0765	0.0000	113,610.5337	113,610.5337	3.1253	0.5377	113,842.8454

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	5/1/2017	5	86	
2	Site Preparation	Site Preparation	4/1/2017	6/1/2017	5	44	
3	Grading	Grading	6/1/2017	6/29/2018	5	282	
4	Wet Utilities	Trenching	1/1/2018	10/1/2018	5	196	
5	Paving	Paving	5/1/2018	11/30/2018	5	154	
6	Building Construction	Building Construction	8/1/2018	12/31/2021	5	891	
7	Architectural Coating	Architectural Coating	10/1/2018	12/31/2021	5	1043	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2115

Acres of Paving: 0

Residential Indoor: 3,440,880; Residential Outdoor: 1,146,960; Non-Residential Indoor: 582,785; Non-Residential Outdoor: 194,262

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	3	8.00	162	0.38
Grading	Graders	3	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	6	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Wet Utilities	Excavators	1	8.00	162	0.38
Wet Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	118.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Wet Utilities	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	503.00	165.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	101.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.2976	0.0000	0.2976	0.0451	0.0000	0.0451			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	0.2976	2.1252	2.4228	0.0451	1.9797	2.0248		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0228	0.3471	0.2610	1.0100e-003	0.0239	5.3900e-003	0.0293	6.5500e-003	4.9600e-003	0.0115		99.7452	99.7452	7.1000e-004		99.7602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0703	0.9281	2.1100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		168.2965	168.2965	7.9800e-003		168.4640
Total	0.0801	0.4174	1.1891	3.1200e-003	0.1916	6.5900e-003	0.1982	0.0510	6.0600e-003	0.0571		268.0417	268.0417	8.6900e-003		268.2242

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					0.1161	0.0000	0.1161	0.0176	0.0000	0.0176			0.0000				0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.1161	0.9880	1.1041	0.0176	0.9880	1.0056	0.0000	4,036.4674	4,036.4674	1.1073			4,059.7211

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	0.0228	0.3471	0.2610	1.0100e-003	0.0239	5.3900e-003	0.0293	6.5500e-003	4.9600e-003	0.0115		99.7452	99.7452	7.1000e-004		99.7602
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0573	0.0703	0.9281	2.1100e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		168.2965	168.2965	7.9800e-003		168.4640

Total	0.0801	0.4174	1.1891	3.1200e-003	0.1916	6.5900e-003	0.1982	0.0510	6.0600e-003	0.0571		268.0417	268.0417	8.6900e-003		268.2242
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3.3 Site Preparation - 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						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003			202.1568
Total	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003			202.1568

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568
Total	0.0688	0.0844	1.1138	2.5300e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		201.9558	201.9558	9.5700e-003		202.1568

3.4 Grading - 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					

Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	15.0700	174.4011	113.0298	0.1510		8.0591	8.0591		7.4144	7.4144		15,451.5182	15,451.5182	4.7343		15,550.9389
Total	15.0700	174.4011	113.0298	0.1510	19.9979	8.0591	28.0570	7.4793	7.4144	14.8936		15,451.5182	15,451.5182	4.7343		15,550.9389

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302
Total	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302
Total	0.1644	0.2016	2.6606	6.0400e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		482.4499	482.4499	0.0229		482.9302

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	13.1050	149.4928	100.8719	0.1510		6.8033	6.8033		6.2590	6.2590		15,205.6442	15,205.6442	4.7337		15,305.0524
Total	13.1050	149.4928	100.8719	0.1510	19.9979	6.8033	26.8012	7.4793	6.2590	13.7383		15,205.6442	15,205.6442	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658
Total	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658
Total	0.1468	0.1819	2.4050	6.0400e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		464.2223	464.2223	0.0211		464.6658

3.5 Wet Utilities - 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	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050
Total	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804
Total	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003		140.4804

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	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553			1,795.5050
Total	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553			1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003			140.4804
Total	0.0444	0.0550	0.7271	1.8300e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		140.3463	140.3463	6.3900e-003			140.4804

3.6 Paving - 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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7305	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927
Total	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927

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	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6681	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927
Total	0.0512	0.0635	0.8389	2.1100e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		161.9380	161.9380	7.3700e-003		162.0927

3.7 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.1956	12.0142	14.6594	0.0358	1.0365	0.2002	1.2367	0.2959	0.1841	0.4800		3,477.9321	3,477.9321	0.0249			3,478.4541
Worker	1.7174	2.1282	28.1324	0.0707	5.6224	0.0392	5.6616	1.4911	0.0363	1.5274		5,430.3210	5,430.3210	0.2471			5,435.5092
Total	2.9130	14.1424	42.7918	0.1064	6.6589	0.2394	6.8983	1.7870	0.2204	2.0074		8,908.2531	8,908.2531	0.2719			8,913.9633

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	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

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
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.1956	12.0142	14.6594	0.0358	1.0365	0.2002	1.2367	0.2959	0.1841	0.4800	3,477.9321	3,477.9321	0.0249		3,478.4541
Worker	1.7174	2.1282	28.1324	0.0707	5.6224	0.0392	5.6616	1.4911	0.0363	1.5274	5,430.3210	5,430.3210	0.2471		5,435.5092
Total	2.9130	14.1424	42.7918	0.1064	6.6589	0.2394	6.8983	1.7870	0.2204	2.0074	8,908.2531	8,908.2531	0.2719		8,913.9633

3.7 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	2,580.7618	2,580.7618	0.6279			2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083	2,580.7618	2,580.7618	0.6279			2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1333	11.0334	14.2194	0.0355	1.0364	0.1920	1.2284	0.2959	0.1766	0.4725	3,398.4017	3,398.4017	0.0240			3,398.9061

Worker	1.5628	1.9395	25.5163	0.0703	5.6224	0.0383	5.6606	1.4911	0.0355	1.5266		5,201.8907	5,201.8907	0.2278		5,206.6742
Total	2.6961	12.9730	39.7357	0.1058	6.6588	0.2303	6.8890	1.7869	0.2121	1.9990		8,600.2924	8,600.2924	0.2518		8,605.5803

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	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1333	11.0334	14.2194	0.0355	1.0364	0.1920	1.2284	0.2959	0.1766	0.4725		3,398.4017	3,398.4017	0.0240		3,398.9061
Worker	1.5628	1.9395	25.5163	0.0703	5.6224	0.0383	5.6606	1.4911	0.0355	1.5266		5,201.8907	5,201.8907	0.2278		5,206.6742
Total	2.6961	12.9730	39.7357	0.1058	6.6588	0.2303	6.8890	1.7869	0.2121	1.9990		8,600.2924	8,600.2924	0.2518		8,605.5803

3.7 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.0708	9.6043	13.7151	0.0355	1.0363	0.1755	1.2118	0.2958	0.1614	0.4572		3,320.6070	3,320.6070	0.0235			3,321.1003
Worker	1.4523	1.7907	23.6850	0.0703	5.6224	0.0382	5.6605	1.4911	0.0354	1.5265		4,989.4849	4,989.4849	0.2147			4,993.9945
Total	2.5232	11.3950	37.4001	0.1057	6.6587	0.2137	6.8723	1.7869	0.1968	1.9837		8,310.0919	8,310.0919	0.2382			8,315.0948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day									lb/day						
Off-Road	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0708	9.6043	13.7151	0.0355	1.0363	0.1755	1.2118	0.2958	0.1614	0.4572		3,320.6070	3,320.6070	0.0235		3,321.1003
Worker	1.4523	1.7907	23.6850	0.0703	5.6224	0.0382	5.6605	1.4911	0.0354	1.5265		4,989.4849	4,989.4849	0.2147		4,993.9945
Total	2.5232	11.3950	37.4001	0.1057	6.6587	0.2137	6.8723	1.7869	0.1968	1.9837		8,310.0919	8,310.0919	0.2382		8,315.0948

3.7 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.0343	8.1682	13.3171	0.0356	1.0362	0.1576	1.1938	0.2958	0.1450	0.4408		3,330.5083	3,330.5083	0.0240			3,331.0112
Worker	1.3743	1.6787	22.4464	0.0707	5.6224	0.0387	5.6611	1.4911	0.0359	1.5270		4,935.0738	4,935.0738	0.2072			4,939.4256
Total	2.4087	9.8469	35.7635	0.1063	6.6585	0.1963	6.8549	1.7868	0.1809	1.9678		8,265.5821	8,265.5821	0.2312			8,270.4368

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	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126			2,555.6462
Total	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126			2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0343	8.1682	13.3171	0.0356	1.0362	0.1576	1.1938	0.2958	0.1450	0.4408		3,330.5083	3,330.5083	0.0240		3,331.0112
Worker	1.3743	1.6787	22.4464	0.0707	5.6224	0.0387	5.6611	1.4911	0.0359	1.5270		4,935.0738	4,935.0738	0.2072		4,939.4256
Total	2.4087	9.8469	35.7635	0.1063	6.6585	0.1963	6.8549	1.7868	0.1809	1.9678		8,265.5821	8,265.5821	0.2312		8,270.4368

3.8 Architectural Coating - 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					
Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	21.6739	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3448	0.4273	5.6489	0.0142	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		1,090.3825	1,090.3825	0.0496		1,091.4243
Total	0.3448	0.4273	5.6489	0.0142	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		1,090.3825	1,090.3825	0.0496		1,091.4243

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	21.6739	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3448	0.4273	5.6489	0.0142	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		1,090.3825	1,090.3825	0.0496		1,091.4243

Total	0.3448	0.4273	5.6489	0.0142	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		1,090.3825	1,090.3825	0.0496		1,091.4243
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3.8 Architectural Coating - 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					
Archit. Coating	21.3753						0.0000	0.0000		0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	21.6417	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3138	0.3895	5.1236	0.0141	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		1,044.5148	1,044.5148	0.0457		1,045.4753
Total	0.3138	0.3895	5.1236	0.0141	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		1,044.5148	1,044.5148	0.0457		1,045.4753

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	21.6417	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3138	0.3895	5.1236	0.0141	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		1,044.5148	1,044.5148	0.0457		1,045.4753
Total	0.3138	0.3895	5.1236	0.0141	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		1,044.5148	1,044.5148	0.0457		1,045.4753

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	21.6175	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2916	0.3596	4.7558	0.0141	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		1,001.8648	1,001.8648	0.0431		1,002.7703
Total	0.2916	0.3596	4.7558	0.0141	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		1,001.8648	1,001.8648	0.0431		1,002.7703

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	21.6175	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2916	0.3596	4.7558	0.0141	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		1,001.8648	1,001.8648	0.0431			1,002.7703
Total	0.2916	0.3596	4.7558	0.0141	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		1,001.8648	1,001.8648	0.0431			1,002.7703

3.8 Architectural Coating - 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						
Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537
Total	21.5942	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2760	0.3371	4.5071	0.0142	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		990.9393	990.9393	0.0416		991.8131
Total	0.2760	0.3371	4.5071	0.0142	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		990.9393	990.9393	0.0416		991.8131

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	21.5942	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2760	0.3371	4.5071	0.0142	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		990.9393	990.9393	0.0416		991.8131
Total	0.2760	0.3371	4.5071	0.0142	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		990.9393	990.9393	0.0416		991.8131

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	27.5907	67.2976	321.3599	1.1198	72.7210	1.4957	74.2167	19.4225	1.3793	20.8018		84,142.2266	84,142.2266	2.4267		84,193.1878
Unmitigated	27.5907	67.2976	321.3599	1.1198	72.7210	1.4957	74.2167	19.4225	1.3793	20.8018		84,142.2266	84,142.2266	2.4267		84,193.1878

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	510.00	0.00	0.00	1,255,468	1,255,468
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	9,034.08	9,515.52	8,278.88	30,737,184	30,737,184
Total	9,544.08	9,515.52	8,278.88	31,992,652	31,992,652

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
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LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.465544	0.065242	0.173782	0.157607	0.057427	0.009225	0.016327	0.043721	0.001116	0.001363	0.004759	0.000651	0.003237

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
NaturalGas Unmitigated	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Single Family Housing	76792.2	0.8282	7.0769	3.0115	0.0452		0.5722	0.5722		0.5722	0.5722		9,034.3797	9,034.3797	0.1732	0.1656	9,089.3614
Elementary School	2574.53	0.0278	0.2524	0.2120	1.5100e-003		0.0192	0.0192		0.0192	0.0192		302.8854	302.8854	5.8100e-003	5.5500e-003	304.7287
Total		0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	76.7922	0.8282	7.0769	3.0115	0.0452		0.5722	0.5722		0.5722	0.5722		9,034.3797	9,034.3797	0.1732	0.1656	9,089.3614
Elementary School	2.57453	0.0278	0.2524	0.2120	1.5100e-003		0.0192	0.0192		0.0192	0.0192		302.8854	302.8854	5.8100e-003	5.5500e-003	304.7287
Total		0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

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	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Unmitigated	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

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	6.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.3369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.8325	8.0000e-005	0.1000	0.0000		1.2661	1.2661		1.2527	1.2527	0.0000	19,990.5882	19,990.5882	0.3832	0.3665	20,112.2476
Landscaping	2.3745	0.9019	78.1536	4.1200e-003		0.4306	0.4306		0.4306	0.4306		140.4538	140.4538	0.1365		143.3199
Total	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6833	1.6833	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

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	6.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.3369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.8325	8.0000e-005	0.1000	0.0000		1.2661	1.2661		1.2527	1.2527	0.0000	19,990.5882	19,990.5882	0.3832	0.3665	20,112.2476
Landscaping	2.3745	0.9019	78.1536	4.1200e-003		0.4306	0.4306		0.4306	0.4306		140.4538	140.4538	0.1365		143.3199
Total	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6833	1.6833	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Armstrong Ranch
San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	1,000.00	Student	10.00	83,603.37	0
Other Asphalt Surfaces	7.00	Acre	7.00	304,920.00	0
Single Family Housing	944.00	Dwelling Unit	181.80	1,699,200.00	2700

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	7			Operational Year	2021
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	630.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Project Specific Acreage Used
- Construction Phase - Applicant Provided Construction Schedule Used
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment -
- Off-road Equipment - Project Applicant Provided Equipment Counts Used
- Off-road Equipment -
- Off-road Equipment -

Off-road Equipment - Project Applicant Provided Equipment Counts Used

Demolition -

Grading -

Vehicle Trips - Trip rate from project traffic engineer used

Woodstoves - Project will only include gas fireplaces per SCAQMD Regulations

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	7.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	14.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	220.00	1,043.00
tblConstructionPhase	NumDays	3,100.00	891.00
tblConstructionPhase	NumDays	200.00	86.00
tblConstructionPhase	NumDays	310.00	282.00
tblConstructionPhase	NumDays	220.00	154.00

tblConstructionPhase	NumDays	120.00	44.00
tblConstructionPhase	PhaseEndDate	12/31/2025	12/31/2021
tblConstructionPhase	PhaseEndDate	5/2/2022	12/31/2021
tblConstructionPhase	PhaseEndDate	7/2/2018	6/29/2018
tblConstructionPhase	PhaseEndDate	5/3/2019	11/30/2018
tblConstructionPhase	PhaseEndDate	6/30/2017	6/1/2017
tblConstructionPhase	PhaseEndDate	4/1/2019	10/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2022	10/1/2018
tblConstructionPhase	PhaseStartDate	12/1/2018	8/1/2018
tblConstructionPhase	PhaseStartDate	6/2/2017	6/1/2017
tblConstructionPhase	PhaseStartDate	10/2/2018	5/1/2018
tblConstructionPhase	PhaseStartDate	5/2/2017	4/1/2017
tblConstructionPhase	PhaseStartDate	6/30/2018	1/1/2018
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	802.40	944.00
tblFireplaces	NumberNoFireplace	94.40	0.00
tblFireplaces	NumberWood	47.20	0.00
tblLandUse	LotAcreage	1.92	10.00
tblLandUse	LotAcreage	306.49	181.80
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	6.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblProjectCharacteristics	OperationalYear	2014	2021
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	3.29	3.43
tblVehicleEF	HHD	1.73	1.56
tblVehicleEF	HHD	53.84	51.93

tblVehicleEF	HHD	527.95	527.57
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.62	3.31
tblVehicleEF	HHD	3.72	2.33
tblVehicleEF	HHD	3.57	3.42
tblVehicleEF	HHD	9.4770e-003	9.1820e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	8.7190e-003	8.4470e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.58	0.61
tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.39	1.22
tblVehicleEF	HHD	5.5970e-003	5.5920e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.4360e-003	1.4000e-003
tblVehicleEF	HHD	1.6270e-003	1.5570e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.67	0.69

tblVehicleEF	HHD	1.0630e-003	1.0300e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.26
tblVehicleEF	HHD	1.49	1.30
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	2.39	2.49
tblVehicleEF	HHD	1.75	1.57
tblVehicleEF	HHD	43.00	41.62
tblVehicleEF	HHD	559.32	558.91
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.74	3.42
tblVehicleEF	HHD	3.50	2.19
tblVehicleEF	HHD	3.42	3.28
tblVehicleEF	HHD	7.9890e-003	7.7400e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004
tblVehicleEF	HHD	7.3500e-003	7.1210e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.55	0.57
tblVehicleEF	HHD	2.1520e-003	2.0410e-003

tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.21	1.06
tblVehicleEF	HHD	5.9290e-003	5.9250e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.2600e-003	1.2340e-003
tblVehicleEF	HHD	3.0290e-003	2.8760e-003
tblVehicleEF	HHD	0.07	0.06
tblVehicleEF	HHD	0.63	0.65
tblVehicleEF	HHD	2.1520e-003	2.0410e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.28	0.27
tblVehicleEF	HHD	1.29	1.13
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.01	9.2450e-003
tblVehicleEF	HHD	4.54	4.72
tblVehicleEF	HHD	1.74	1.56
tblVehicleEF	HHD	50.98	49.22
tblVehicleEF	HHD	484.63	484.28
tblVehicleEF	HHD	1,515.31	1,502.48
tblVehicleEF	HHD	49.32	49.32
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	3.46	3.16
tblVehicleEF	HHD	3.66	2.29
tblVehicleEF	HHD	3.53	3.39
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	0.09	0.09
tblVehicleEF	HHD	8.0700e-004	6.8100e-004

tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.6990e-003	8.7000e-003
tblVehicleEF	HHD	0.08	0.08
tblVehicleEF	HHD	7.4900e-004	6.3200e-004
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.63	0.66
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.24	0.21
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.35	1.18
tblVehicleEF	HHD	5.1370e-003	5.1340e-003
tblVehicleEF	HHD	0.02	0.02
tblVehicleEF	HHD	1.3900e-003	1.3560e-003
tblVehicleEF	HHD	1.6200e-003	1.5190e-003
tblVehicleEF	HHD	0.06	0.06
tblVehicleEF	HHD	0.72	0.75
tblVehicleEF	HHD	1.0910e-003	1.0470e-003
tblVehicleEF	HHD	0.27	0.24
tblVehicleEF	HHD	0.30	0.28
tblVehicleEF	HHD	1.44	1.26
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.75	0.70
tblVehicleEF	LDA	1.34	1.18
tblVehicleEF	LDA	232.89	224.48
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06

tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.91	0.84
tblVehicleEF	LDA	1.02	0.90
tblVehicleEF	LDA	252.65	243.56
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003

tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	7.5600e-004	7.5500e-004
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.03	0.02
tblVehicleEF	LDA	0.20	0.19
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	9.2420e-003	8.7790e-003
tblVehicleEF	LDA	4.9870e-003	4.3010e-003
tblVehicleEF	LDA	0.72	0.67
tblVehicleEF	LDA	1.33	1.17
tblVehicleEF	LDA	229.18	220.90
tblVehicleEF	LDA	51.30	49.22
tblVehicleEF	LDA	0.47	0.47
tblVehicleEF	LDA	0.07	0.06
tblVehicleEF	LDA	0.08	0.07
tblVehicleEF	LDA	1.7740e-003	1.8470e-003
tblVehicleEF	LDA	3.6290e-003	4.0240e-003
tblVehicleEF	LDA	1.6450e-003	1.7130e-003
tblVehicleEF	LDA	3.3660e-003	3.7330e-003
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03

tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	7.6100e-004	7.5900e-004
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.03
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.23	0.21
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.75	1.50
tblVehicleEF	LDT1	3.45	2.91
tblVehicleEF	LDT1	282.26	274.00
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.15
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	4.0260e-003	4.0270e-003

tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.24	0.22
tblVehicleEF	LDT1	0.11	0.10
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.77	0.70
tblVehicleEF	LDT1	0.27	0.22
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	2.06	1.77
tblVehicleEF	LDT1	2.66	2.24
tblVehicleEF	LDT1	304.83	296.02
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.16	0.13
tblVehicleEF	LDT1	0.19	0.16
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.04	0.04
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.21	0.18
tblVehicleEF	LDT1	4.3550e-003	4.3560e-003
tblVehicleEF	LDT1	8.9500e-004	8.9100e-004
tblVehicleEF	LDT1	0.28	0.25
tblVehicleEF	LDT1	0.28	0.25

tblVehicleEF	LDT1	0.20	0.19
tblVehicleEF	LDT1	0.06	0.05
tblVehicleEF	LDT1	0.76	0.69
tblVehicleEF	LDT1	0.22	0.19
tblVehicleEF	LDT1	0.02	0.02
tblVehicleEF	LDT1	0.01	0.01
tblVehicleEF	LDT1	1.68	1.45
tblVehicleEF	LDT1	3.42	2.89
tblVehicleEF	LDT1	278.02	269.87
tblVehicleEF	LDT1	61.73	59.88
tblVehicleEF	LDT1	0.07	0.07
tblVehicleEF	LDT1	0.17	0.14
tblVehicleEF	LDT1	0.20	0.17
tblVehicleEF	LDT1	3.0390e-003	2.8100e-003
tblVehicleEF	LDT1	4.7780e-003	4.7530e-003
tblVehicleEF	LDT1	2.8180e-003	2.6070e-003
tblVehicleEF	LDT1	4.4320e-003	4.4100e-003
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.04	0.03
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.25	0.21
tblVehicleEF	LDT1	9.0900e-004	9.0200e-004
tblVehicleEF	LDT1	0.15	0.13
tblVehicleEF	LDT1	0.27	0.24
tblVehicleEF	LDT1	0.10	0.09
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.90	0.82
tblVehicleEF	LDT1	0.27	0.22

tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.00	0.90
tblVehicleEF	LDT2	1.89	1.62
tblVehicleEF	LDT2	347.75	339.67
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.7210e-003	4.7190e-003
tblVehicleEF	LDT2	1.0380e-003	1.0350e-003
tblVehicleEF	LDT2	0.07	0.06
tblVehicleEF	LDT2	0.12	0.11
tblVehicleEF	LDT2	0.06	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.38	0.36
tblVehicleEF	LDT2	0.14	0.12
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	1.19	1.07

tblVehicleEF	LDT2	1.45	1.24
tblVehicleEF	LDT2	376.43	367.69
tblVehicleEF	LDT2	75.73	73.83
tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.08
tblVehicleEF	LDT2	0.15	0.12
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	5.1140e-003	5.1110e-003
tblVehicleEF	LDT2	1.0310e-003	1.0280e-003
tblVehicleEF	LDT2	0.12	0.12
tblVehicleEF	LDT2	0.14	0.13
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.37	0.35
tblVehicleEF	LDT2	0.11	0.10
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	7.2240e-003	6.0930e-003
tblVehicleEF	LDT2	0.96	0.86
tblVehicleEF	LDT2	1.88	1.61
tblVehicleEF	LDT2	342.36	334.41
tblVehicleEF	LDT2	75.73	73.83

tblVehicleEF	LDT2	0.17	0.17
tblVehicleEF	LDT2	0.10	0.09
tblVehicleEF	LDT2	0.16	0.13
tblVehicleEF	LDT2	1.7900e-003	1.8460e-003
tblVehicleEF	LDT2	3.6420e-003	3.9900e-003
tblVehicleEF	LDT2	1.6610e-003	1.7120e-003
tblVehicleEF	LDT2	3.3780e-003	3.7020e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.13	0.11
tblVehicleEF	LDT2	4.6470e-003	4.6450e-003
tblVehicleEF	LDT2	1.0380e-003	1.0340e-003
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.13	0.12
tblVehicleEF	LDT2	0.05	0.05
tblVehicleEF	LDT2	0.03	0.03
tblVehicleEF	LDT2	0.44	0.41
tblVehicleEF	LDT2	0.14	0.11
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.41	3.09
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06

tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.04	0.90
tblVehicleEF	LHD1	1.17	1.10
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.31	0.27
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8700e-004	4.8300e-004
tblVehicleEF	LHD1	2.3640e-003	2.2290e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3500e-003	1.3120e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.33	0.29
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003

tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.80	0.67
tblVehicleEF	LHD1	2.74	2.49
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.97	0.83
tblVehicleEF	LHD1	1.13	1.06
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.28	0.24
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003

tblVehicleEF	LHD1	4.7600e-004	4.7300e-004
tblVehicleEF	LHD1	4.3110e-003	4.0490e-003
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.6690e-003	2.5520e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.29	0.28
tblVehicleEF	LHD1	0.29	0.26
tblVehicleEF	LHD1	1.1970e-003	1.1670e-003
tblVehicleEF	LHD1	9.2350e-003	7.9470e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.18	0.17
tblVehicleEF	LHD1	0.79	0.66
tblVehicleEF	LHD1	3.21	2.91
tblVehicleEF	LHD1	7.90	7.90
tblVehicleEF	LHD1	515.52	515.45
tblVehicleEF	LHD1	38.22	38.42
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	1.02	0.88
tblVehicleEF	LHD1	1.16	1.09
tblVehicleEF	LHD1	6.1900e-004	6.1600e-004
tblVehicleEF	LHD1	0.05	0.05
tblVehicleEF	LHD1	9.2680e-003	9.2660e-003
tblVehicleEF	LHD1	8.0800e-003	7.4630e-003
tblVehicleEF	LHD1	7.0400e-004	5.9300e-004
tblVehicleEF	LHD1	5.6900e-004	5.6700e-004
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	7.4380e-003	6.8700e-003
tblVehicleEF	LHD1	6.5300e-004	5.5100e-004

tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.06	0.05
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.30	0.26
tblVehicleEF	LHD1	9.0000e-005	8.9000e-005
tblVehicleEF	LHD1	5.6560e-003	5.6530e-003
tblVehicleEF	LHD1	4.8400e-004	4.8000e-004
tblVehicleEF	LHD1	2.4370e-003	2.2510e-003
tblVehicleEF	LHD1	0.06	0.06
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	1.3750e-003	1.3270e-003
tblVehicleEF	LHD1	0.08	0.07
tblVehicleEF	LHD1	0.31	0.31
tblVehicleEF	LHD1	0.32	0.28
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.83	1.68
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.52	1.30
tblVehicleEF	LHD2	0.74	0.69
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003

tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1200e-004	3.1000e-004
tblVehicleEF	LHD2	1.2370e-003	1.1600e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4600e-004	7.2500e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.15
tblVehicleEF	LHD2	0.18	0.16
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004
tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.48	1.36
tblVehicleEF	LHD2	498.03	497.83

tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.43	1.22
tblVehicleEF	LHD2	0.71	0.67
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.15	0.13
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.0600e-004	3.0500e-004
tblVehicleEF	LHD2	2.2470e-003	2.0990e-003
tblVehicleEF	LHD2	0.04	0.04
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.4480e-003	1.3850e-003
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.16	0.16
tblVehicleEF	LHD2	0.16	0.14
tblVehicleEF	LHD2	9.2200e-004	9.0500e-004

tblVehicleEF	LHD2	6.2300e-003	5.4300e-003
tblVehicleEF	LHD2	9.6270e-003	8.3530e-003
tblVehicleEF	LHD2	0.14	0.14
tblVehicleEF	LHD2	0.57	0.51
tblVehicleEF	LHD2	1.73	1.58
tblVehicleEF	LHD2	498.03	497.83
tblVehicleEF	LHD2	25.04	25.18
tblVehicleEF	LHD2	9.1290e-003	9.2250e-003
tblVehicleEF	LHD2	0.11	0.11
tblVehicleEF	LHD2	1.50	1.28
tblVehicleEF	LHD2	0.73	0.68
tblVehicleEF	LHD2	1.1720e-003	1.1680e-003
tblVehicleEF	LHD2	0.07	0.07
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.2200e-004	2.6100e-004
tblVehicleEF	LHD2	1.0780e-003	1.0740e-003
tblVehicleEF	LHD2	0.03	0.03
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	2.9800e-004	2.4300e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.07	0.06
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.17	0.14
tblVehicleEF	LHD2	5.3980e-003	5.3950e-003
tblVehicleEF	LHD2	3.1000e-004	3.0900e-004
tblVehicleEF	LHD2	1.2270e-003	1.1240e-003
tblVehicleEF	LHD2	0.04	0.03

tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	7.4900e-004	7.2400e-004
tblVehicleEF	LHD2	0.08	0.07
tblVehicleEF	LHD2	0.18	0.17
tblVehicleEF	LHD2	0.18	0.15
tblVehicleEF	MCY	20.66	20.25
tblVehicleEF	MCY	10.10	10.15
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.17	1.16
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.35	2.34
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.06	2.04
tblVehicleEF	MCY	1.9590e-003	1.9610e-003
tblVehicleEF	MCY	6.4600e-004	6.4000e-004
tblVehicleEF	MCY	1.10	1.11
tblVehicleEF	MCY	0.42	0.42
tblVehicleEF	MCY	0.58	0.58
tblVehicleEF	MCY	2.59	2.57
tblVehicleEF	MCY	1.20	1.17
tblVehicleEF	MCY	2.21	2.19

tblVehicleEF	MCY	20.46	20.06
tblVehicleEF	MCY	8.84	8.85
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003
tblVehicleEF	MCY	1.01	1.00
tblVehicleEF	MCY	0.29	0.29
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.31	2.29
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.80	1.79
tblVehicleEF	MCY	1.9550e-003	1.9570e-003
tblVehicleEF	MCY	6.1800e-004	6.1200e-004
tblVehicleEF	MCY	2.17	2.18
tblVehicleEF	MCY	0.63	0.64
tblVehicleEF	MCY	1.42	1.43
tblVehicleEF	MCY	2.54	2.53
tblVehicleEF	MCY	1.18	1.15
tblVehicleEF	MCY	1.93	1.92
tblVehicleEF	MCY	20.17	19.77
tblVehicleEF	MCY	9.80	9.84
tblVehicleEF	MCY	140.50	141.32
tblVehicleEF	MCY	38.03	37.48
tblVehicleEF	MCY	4.9210e-003	4.7590e-003

tblVehicleEF	MCY	1.13	1.12
tblVehicleEF	MCY	0.30	0.30
tblVehicleEF	MCY	2.8300e-004	2.5700e-004
tblVehicleEF	MCY	8.5400e-004	7.6800e-004
tblVehicleEF	MCY	2.4000e-004	2.2000e-004
tblVehicleEF	MCY	7.1900e-004	6.5600e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.34	2.32
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.00	1.99
tblVehicleEF	MCY	1.9510e-003	1.9530e-003
tblVehicleEF	MCY	6.3900e-004	6.3400e-004
tblVehicleEF	MCY	1.25	1.26
tblVehicleEF	MCY	0.57	0.57
tblVehicleEF	MCY	0.55	0.55
tblVehicleEF	MCY	2.57	2.55
tblVehicleEF	MCY	1.42	1.39
tblVehicleEF	MCY	2.15	2.14
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.57	1.36
tblVehicleEF	MDV	3.36	2.91
tblVehicleEF	MDV	463.01	452.65
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003

tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.28	0.24
tblVehicleEF	MDV	6.0300e-003	6.0310e-003
tblVehicleEF	MDV	1.3360e-003	1.3310e-003
tblVehicleEF	MDV	0.10	0.09
tblVehicleEF	MDV	0.19	0.19
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.56	0.54
tblVehicleEF	MDV	0.30	0.25
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.86	1.63
tblVehicleEF	MDV	2.57	2.23
tblVehicleEF	MDV	500.86	489.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.17	0.15
tblVehicleEF	MDV	0.29	0.24
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003

tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.23	0.20
tblVehicleEF	MDV	6.5280e-003	6.5290e-003
tblVehicleEF	MDV	1.3230e-003	1.3190e-003
tblVehicleEF	MDV	0.18	0.18
tblVehicleEF	MDV	0.22	0.21
tblVehicleEF	MDV	0.15	0.15
tblVehicleEF	MDV	0.06	0.05
tblVehicleEF	MDV	0.55	0.54
tblVehicleEF	MDV	0.25	0.21
tblVehicleEF	MDV	0.02	0.02
tblVehicleEF	MDV	0.02	0.01
tblVehicleEF	MDV	1.50	1.31
tblVehicleEF	MDV	3.33	2.89
tblVehicleEF	MDV	455.91	445.70
tblVehicleEF	MDV	100.60	98.37
tblVehicleEF	MDV	0.16	0.16
tblVehicleEF	MDV	0.18	0.15
tblVehicleEF	MDV	0.31	0.26
tblVehicleEF	MDV	1.9730e-003	1.9580e-003
tblVehicleEF	MDV	3.6940e-003	3.8910e-003
tblVehicleEF	MDV	1.8280e-003	1.8160e-003
tblVehicleEF	MDV	3.4230e-003	3.6100e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08

tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.28	0.23
tblVehicleEF	MDV	1.3360e-003	1.3300e-003
tblVehicleEF	MDV	0.09	0.09
tblVehicleEF	MDV	0.21	0.20
tblVehicleEF	MDV	0.08	0.08
tblVehicleEF	MDV	0.05	0.05
tblVehicleEF	MDV	0.64	0.63
tblVehicleEF	MDV	0.29	0.25
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.56	4.94
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.16	1.01
tblVehicleEF	MH	0.66	0.61
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	0.94	0.77
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.31	0.27
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0500e-004	3.9400e-004
tblVehicleEF	MH	0.94	0.77

tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.36	0.31
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.37	1.09
tblVehicleEF	MH	0.33	0.29
tblVehicleEF	MH	1.18	0.79
tblVehicleEF	MH	4.41	3.95
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.07	0.93
tblVehicleEF	MH	0.63	0.58
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.37	1.08
tblVehicleEF	MH	0.27	0.24
tblVehicleEF	MH	6.5800e-003	6.5760e-003
tblVehicleEF	MH	3.8600e-004	3.7700e-004
tblVehicleEF	MH	1.67	1.38
tblVehicleEF	MH	0.06	0.05
tblVehicleEF	MH	0.72	0.61
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	1.37	1.08

tblVehicleEF	MH	0.29	0.26
tblVehicleEF	MH	1.15	0.77
tblVehicleEF	MH	5.25	4.68
tblVehicleEF	MH	598.16	598.43
tblVehicleEF	MH	27.75	27.75
tblVehicleEF	MH	3.0580e-003	3.2370e-003
tblVehicleEF	MH	1.14	0.99
tblVehicleEF	MH	0.65	0.60
tblVehicleEF	MH	0.05	0.05
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	5.1700e-004	4.0100e-004
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	4.8000e-004	3.7200e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.05	0.04
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.30	0.26
tblVehicleEF	MH	6.5790e-003	6.5760e-003
tblVehicleEF	MH	4.0000e-004	3.8900e-004
tblVehicleEF	MH	1.05	0.84
tblVehicleEF	MH	0.07	0.06
tblVehicleEF	MH	0.38	0.33
tblVehicleEF	MH	0.07	0.05
tblVehicleEF	MH	1.45	1.15
tblVehicleEF	MH	0.32	0.28
tblVehicleEF	MHD	7.8620e-003	8.1640e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.99	2.08

tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	13.05	11.21
tblVehicleEF	MHD	572.41	572.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.80	3.39
tblVehicleEF	MHD	1.20	0.88
tblVehicleEF	MHD	1.47	1.29
tblVehicleEF	MHD	8.1320e-003	7.7330e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	7.4820e-003	7.1140e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.17	0.18
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.77	0.66
tblVehicleEF	MHD	6.0680e-003	6.0660e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.7600e-004	7.4400e-004
tblVehicleEF	MHD	2.5160e-003	2.2270e-003

tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.19	0.20
tblVehicleEF	MHD	1.4110e-003	1.2940e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.35
tblVehicleEF	MHD	0.82	0.71
tblVehicleEF	MHD	7.4100e-003	7.6930e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	1.45	1.51
tblVehicleEF	MHD	0.54	0.45
tblVehicleEF	MHD	10.40	8.98
tblVehicleEF	MHD	606.42	606.27
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.92	3.50
tblVehicleEF	MHD	1.13	0.82
tblVehicleEF	MHD	1.41	1.24
tblVehicleEF	MHD	6.8560e-003	6.5190e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	6.3070e-003	5.9970e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08

tblVehicleEF	MHD	0.16	0.17
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.68	0.59
tblVehicleEF	MHD	6.4280e-003	6.4270e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.3200e-004	7.0700e-004
tblVehicleEF	MHD	4.6240e-003	4.0660e-003
tblVehicleEF	MHD	0.09	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	2.8470e-003	2.5550e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.38	0.36
tblVehicleEF	MHD	0.72	0.63
tblVehicleEF	MHD	8.4880e-003	8.8130e-003
tblVehicleEF	MHD	3.3630e-003	3.1270e-003
tblVehicleEF	MHD	2.75	2.86
tblVehicleEF	MHD	0.53	0.45
tblVehicleEF	MHD	12.35	10.62
tblVehicleEF	MHD	525.45	525.31
tblVehicleEF	MHD	919.98	916.77
tblVehicleEF	MHD	49.32	49.32
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	3.63	3.24
tblVehicleEF	MHD	1.18	0.86
tblVehicleEF	MHD	1.46	1.28
tblVehicleEF	MHD	9.8950e-003	9.4090e-003
tblVehicleEF	MHD	0.12	0.12
tblVehicleEF	MHD	0.01	0.01

tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1580e-003	9.3500e-004
tblVehicleEF	MHD	9.1040e-003	8.6570e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	2.8510e-003	2.8500e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.0740e-003	8.6800e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.18	0.19
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.08	0.07
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.75	0.65
tblVehicleEF	MHD	5.5700e-003	5.5690e-003
tblVehicleEF	MHD	9.7940e-003	9.7600e-003
tblVehicleEF	MHD	7.6400e-004	7.3400e-004
tblVehicleEF	MHD	2.6600e-003	2.2930e-003
tblVehicleEF	MHD	0.08	0.08
tblVehicleEF	MHD	0.21	0.22
tblVehicleEF	MHD	1.4580e-003	1.3220e-003
tblVehicleEF	MHD	0.10	0.09
tblVehicleEF	MHD	0.41	0.38
tblVehicleEF	MHD	0.80	0.69
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	3.04	3.30
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.54	8.41
tblVehicleEF	OBUS	534.43	533.48

tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	32.73	32.73
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.88	3.20
tblVehicleEF	OBUS	1.47	0.99
tblVehicleEF	OBUS	1.34	1.19
tblVehicleEF	OBUS	9.0830e-003	8.7920e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	8.3560e-003	8.0880e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.52	0.56
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.58	0.50
tblVehicleEF	OBUS	5.6650e-003	5.6550e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.3100e-004	5.1100e-004
tblVehicleEF	OBUS	1.2130e-003	1.1410e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.59	0.64
tblVehicleEF	OBUS	5.8500e-004	5.6100e-004

tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.61	0.54
tblVehicleEF	OBUS	0.02	0.02
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	2.21	2.40
tblVehicleEF	OBUS	1.14	0.91
tblVehicleEF	OBUS	7.63	6.74
tblVehicleEF	OBUS	566.19	565.17
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	4.00	3.30
tblVehicleEF	OBUS	1.37	0.92
tblVehicleEF	OBUS	1.28	1.14
tblVehicleEF	OBUS	7.6570e-003	7.4120e-003
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	7.0440e-003	6.8190e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.49	0.53
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.30	0.29

tblVehicleEF	OBUS	0.51	0.45
tblVehicleEF	OBUS	6.0020e-003	5.9910e-003
tblVehicleEF	OBUS	9.8270e-003	9.8080e-003
tblVehicleEF	OBUS	4.9900e-004	4.8300e-004
tblVehicleEF	OBUS	2.1790e-003	2.0440e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.55	0.60
tblVehicleEF	OBUS	1.1420e-003	1.0820e-003
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.30	0.29
tblVehicleEF	OBUS	0.54	0.48
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	2.2680e-003	2.1550e-003
tblVehicleEF	OBUS	4.19	4.55
tblVehicleEF	OBUS	1.12	0.90
tblVehicleEF	OBUS	9.03	7.97
tblVehicleEF	OBUS	490.59	489.71
tblVehicleEF	OBUS	914.34	912.92
tblVehicleEF	OBUS	1.1100e-003	1.1160e-003
tblVehicleEF	OBUS	3.71	3.06
tblVehicleEF	OBUS	1.45	0.97
tblVehicleEF	OBUS	1.32	1.18
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.09	0.09
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.5000e-004	5.5400e-004
tblVehicleEF	OBUS	0.01	9.8420e-003
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	2.5310e-003	2.5330e-003

tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	6.0300e-004	5.1400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.56	0.60
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.11	0.10
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	5.2000e-003	5.1910e-003
tblVehicleEF	OBUS	9.8260e-003	9.8070e-003
tblVehicleEF	OBUS	5.2200e-004	5.0400e-004
tblVehicleEF	OBUS	1.2350e-003	1.1390e-003
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.63	0.69
tblVehicleEF	OBUS	6.0800e-004	5.7800e-004
tblVehicleEF	OBUS	0.13	0.11
tblVehicleEF	OBUS	0.32	0.31
tblVehicleEF	OBUS	0.60	0.52
tblVehicleEF	SBUS	4.5470e-003	4.7360e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.09	1.15
tblVehicleEF	SBUS	1.84	1.59
tblVehicleEF	SBUS	21.62	19.07
tblVehicleEF	SBUS	550.57	554.02
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	115.30	115.30
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.45	7.25
tblVehicleEF	SBUS	6.96	6.63

tblVehicleEF	SBUS	1.88	1.74
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.37	1.22
tblVehicleEF	SBUS	5.8360e-003	5.8730e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6620e-003	1.6170e-003
tblVehicleEF	SBUS	0.03	0.03
tblVehicleEF	SBUS	0.19	0.18
tblVehicleEF	SBUS	0.11	0.12
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.06	1.96
tblVehicleEF	SBUS	1.47	1.30
tblVehicleEF	SBUS	4.2850e-003	4.4640e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003

tblVehicleEF	SBUS	0.79	0.84
tblVehicleEF	SBUS	1.88	1.63
tblVehicleEF	SBUS	18.12	16.06
tblVehicleEF	SBUS	583.28	586.94
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.69	7.49
tblVehicleEF	SBUS	6.54	6.23
tblVehicleEF	SBUS	1.76	1.62
tblVehicleEF	SBUS	0.01	9.9990e-003
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	9.7360e-003	9.1990e-003
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.06	0.05
tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.09	0.10
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.23	1.09
tblVehicleEF	SBUS	6.1830e-003	6.2220e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6020e-003	1.5660e-003
tblVehicleEF	SBUS	0.06	0.05

tblVehicleEF	SBUS	0.21	0.20
tblVehicleEF	SBUS	0.11	0.11
tblVehicleEF	SBUS	0.02	0.02
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	1.91	1.82
tblVehicleEF	SBUS	1.31	1.17
tblVehicleEF	SBUS	4.9080e-003	5.1130e-003
tblVehicleEF	SBUS	5.8830e-003	6.2470e-003
tblVehicleEF	SBUS	1.50	1.59
tblVehicleEF	SBUS	1.83	1.59
tblVehicleEF	SBUS	21.58	19.06
tblVehicleEF	SBUS	505.40	508.57
tblVehicleEF	SBUS	1,048.68	1,043.26
tblVehicleEF	SBUS	6.6600e-004	6.5100e-004
tblVehicleEF	SBUS	7.12	6.93
tblVehicleEF	SBUS	6.86	6.54
tblVehicleEF	SBUS	1.90	1.75
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.58	0.58
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	3.0760e-003	2.5870e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.25	0.25
tblVehicleEF	SBUS	2.7730e-003	2.7640e-003
tblVehicleEF	SBUS	0.04	0.04
tblVehicleEF	SBUS	2.8540e-003	2.4010e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.11	0.11

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.23	0.21
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.38	1.23
tblVehicleEF	SBUS	5.3580e-003	5.3910e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	1.6610e-003	1.6170e-003
tblVehicleEF	SBUS	0.04	0.03
tblVehicleEF	SBUS	0.24	0.22
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.26	0.24
tblVehicleEF	SBUS	2.42	2.31
tblVehicleEF	SBUS	1.47	1.31
tblVehicleEF	UBUS	4.94	4.58
tblVehicleEF	UBUS	17.81	16.92
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.94	7.57
tblVehicleEF	UBUS	2.62	2.55
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.23	1.26

tblVehicleEF	UBUS	1.54	1.49
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.7100e-004	9.5500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.17	0.16
tblVehicleEF	UBUS	5.8170e-003	5.5340e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.23	1.26
tblVehicleEF	UBUS	1.64	1.59
tblVehicleEF	UBUS	5.03	4.67
tblVehicleEF	UBUS	14.85	14.13
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.40	7.06
tblVehicleEF	UBUS	2.49	2.43
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.66	0.60
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.38	1.34
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.1900e-004	9.0700e-004
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.20	0.19

tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.73	0.66
tblVehicleEF	UBUS	1.20	1.23
tblVehicleEF	UBUS	1.48	1.43
tblVehicleEF	UBUS	4.94	4.59
tblVehicleEF	UBUS	17.30	16.44
tblVehicleEF	UBUS	1,538.09	1,531.09
tblVehicleEF	UBUS	57.93	57.93
tblVehicleEF	UBUS	1.3460e-003	1.3630e-003
tblVehicleEF	UBUS	7.79	7.43
tblVehicleEF	UBUS	2.60	2.54
tblVehicleEF	UBUS	0.12	0.12
tblVehicleEF	UBUS	7.8100e-004	7.1700e-004
tblVehicleEF	UBUS	0.11	0.11
tblVehicleEF	UBUS	7.2500e-004	6.6500e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.65	0.59
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.51	1.47
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	9.6200e-004	9.4700e-004
tblVehicleEF	UBUS	0.01	0.01
tblVehicleEF	UBUS	0.21	0.20
tblVehicleEF	UBUS	6.3310e-003	5.9930e-003
tblVehicleEF	UBUS	0.72	0.65
tblVehicleEF	UBUS	1.44	1.48
tblVehicleEF	UBUS	1.62	1.57
tblVehicleTrips	WD_TR	1.29	0.51

tblWoodstoves	NumberCatalytic	47.20	0.00
tblWoodstoves	NumberNoncatalytic	47.20	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

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					
2017	20.1265	226.4598	155.6451	0.1979	38.7460	10.8182	49.5642	17.5908	9.9527	27.5435	0.0000	20,077.9418	20,077.9418	5.9933	0.0000	20,203.8011
2018	30.7157	180.6691	131.4470	0.2002	20.7915	8.6466	29.4381	7.6897	7.9549	15.6446	0.0000	19,932.7936	19,932.7936	6.0229	0.0000	20,059.2748
2019	26.9455	36.5919	61.5954	0.1418	7.7877	1.6535	9.4412	2.0863	1.5578	3.6442	0.0000	11,920.1190	11,920.1190	0.9500	0.0000	11,940.0699
2020	26.4917	32.8927	58.8565	0.1417	7.7876	1.4465	9.2341	2.0863	1.3626	3.4489	0.0000	11,571.6969	11,571.6969	0.9234	0.0000	11,591.0885
2021	26.1233	29.3744	56.8508	0.1423	7.7875	1.2543	9.0418	2.0862	1.1812	3.2674	0.0000	11,521.1774	11,521.1774	0.9056	0.0000	11,540.1942
Total	130.4027	505.9880	464.3948	0.8239	82.9004	23.8190	106.7193	31.5394	22.0092	53.5486	0.0000	75,023.7287	75,023.7287	14.7952	0.0000	75,334.4285

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					

2017	4.8736	92.1694	116.6929	0.1979	15.5269	4.0484	19.5752	6.9707	4.0480	11.0187	0.0000	20,077.94 18	20,077.941 8	5.9933	0.0000	20,203.80 11
2018	27.8602	93.2471	123.7627	0.2002	8.5928	4.2939	12.8867	3.1274	4.2935	7.4209	0.0000	19,932.79 36	19,932.793 6	6.0229	0.0000	20,059.27 48
2019	26.2237	32.2133	62.3656	0.1418	7.7877	1.4339	9.2216	2.0863	1.3885	3.4748	0.0000	11,920.11 90	11,920.119 0	0.9500	0.0000	11,940.06 99
2020	25.8744	29.6506	59.8391	0.1417	7.7876	1.3148	9.1024	2.0863	1.2741	3.3604	0.0000	11,571.69 69	11,571.696 9	0.9234	0.0000	11,591.08 85
2021	25.5990	27.1459	57.9979	0.1423	7.7875	1.2004	8.9879	2.0862	1.1642	3.2505	0.0000	11,521.17 74	11,521.177 4	0.9056	0.0000	11,540.19 42
Total	110.4309	274.4263	420.6582	0.8239	47.4825	12.2913	59.7738	16.3570	12.1683	28.5252	0.0000	75,023.72 86	75,023.728 6	14.7952	0.0000	75,334.42 85

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	15.32	45.76	9.42	0.00	42.72	48.40	43.99	48.14	44.71	46.73	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.6519	0.9020	78.2536	4.1200e- 003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.04 20	20,131.042 0	0.5196	0.3665	20,255.56 75
Energy	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.265 1	9,337.2651	0.1790	0.1712	9,394.090 1
Mobile	26.6841	70.2027	300.7389	1.0433	72.7210	1.5002	74.2212	19.4225	1.3834	20.8059		78,853.65 99	78,853.659 9	2.4310		78,904.71 02
Total	79.1919	78.4340	382.2160	1.0941	72.7210	3.7882	76.5093	19.4225	3.6581	23.0806	0.0000	108,321.9 670	108,321.96 70	3.1296	0.5377	108,554.3 679

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	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Energy	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
Mobile	26.6841	70.2027	300.7389	1.0433	72.7210	1.5002	74.2212	19.4225	1.3834	20.8059		78,853.6599	78,853.6599	2.4310		78,904.7102
Total	79.1919	78.4340	382.2160	1.0941	72.7210	3.7882	76.5093	19.4225	3.6581	23.0806	0.0000	108,321.9670	108,321.9670	3.1296	0.5377	108,554.3679

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	5/1/2017	5	86	
2	Site Preparation	Site Preparation	4/1/2017	6/1/2017	5	44	
3	Grading	Grading	6/1/2017	6/29/2018	5	282	
4	Wet Utilities	Trenching	1/1/2018	10/1/2018	5	196	
5	Paving	Paving	5/1/2018	11/30/2018	5	154	
6	Building Construction	Building Construction	8/1/2018	12/31/2021	5	891	
7	Architectural Coating	Architectural Coating	10/1/2018	12/31/2021	5	1043	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 2115

Acres of Paving: 0

Residential Indoor: 3,440,880; Residential Outdoor: 1,146,960; Non-Residential Indoor: 582,785; Non-Residential Outdoor: 194,262

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	162	0.38
Demolition	Rubber Tired Dozers	2	8.00	255	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	3	8.00	162	0.38
Grading	Graders	3	8.00	174	0.41
Grading	Rubber Tired Dozers	2	8.00	255	0.40
Grading	Scrapers	6	8.00	361	0.48
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Wet Utilities	Excavators	1	8.00	162	0.38
Wet Utilities	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Paving	Pavers	2	8.00	125	0.42
Paving	Paving Equipment	2	8.00	130	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	7.00	226	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	118.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	17	43.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Wet Utilities	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	503.00	165.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	101.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 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					
Fugitive Dust					0.2976	0.0000	0.2976	0.0451	0.0000	0.0451			0.0000			0.0000
Off-Road	4.0482	42.6971	33.8934	0.0399		2.1252	2.1252		1.9797	1.9797		4,036.4674	4,036.4674	1.1073		4,059.7211
Total	4.0482	42.6971	33.8934	0.0399	0.2976	2.1252	2.4228	0.0451	1.9797	2.0248		4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0237	0.3608	0.2902	1.0000e-003	0.0239	5.4000e-003	0.0293	6.5500e-003	4.9700e-003	0.0115		99.5065	99.5065	7.2000e-004		99.5217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0751	0.7914	1.9200e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		153.2798	153.2798	7.9800e-003		153.4473
Total	0.0773	0.4359	1.0815	2.9200e-003	0.1916	6.6000e-003	0.1982	0.0510	6.0700e-003	0.0571		252.7863	252.7863	8.7000e-003		252.9690

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					0.1161	0.0000	0.1161	0.0176	0.0000	0.0176			0.0000			0.0000
Off-Road	1.4035	20.1651	25.1554	0.0399		0.9880	0.9880		0.9880	0.9880	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211
Total	1.4035	20.1651	25.1554	0.0399	0.1161	0.9880	1.1041	0.0176	0.9880	1.0056	0.0000	4,036.4674	4,036.4674	1.1073		4,059.7211

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	0.0237	0.3608	0.2902	1.0000e-003	0.0239	5.4000e-003	0.0293	6.5500e-003	4.9700e-003	0.0115		99.5065	99.5065	7.2000e-004		99.5217
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0537	0.0751	0.7914	1.9200e-003	0.1677	1.2000e-003	0.1689	0.0445	1.1000e-003	0.0456		153.2798	153.2798	7.9800e-003		153.4473

Total	0.0773	0.4359	1.0815	2.9200e-003	0.1916	6.6000e-003	0.1982	0.0510	6.0700e-003	0.0571		252.7863	252.7863	8.7000e-003		252.9690
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3.3 Site Preparation - 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						
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000				0.0000
Off-Road	4.8382	51.7535	39.3970	0.0391		2.7542	2.7542		2.5339	2.5339		4,003.0859	4,003.0859	1.2265			4,028.8432
Total	4.8382	51.7535	39.3970	0.0391	18.0663	2.7542	20.8205	9.9307	2.5339	12.4646		4,003.0859	4,003.0859	1.2265			4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003			184.1368
Total	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003			184.1368

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9515	19.4584	23.4003	0.0391		0.9611	0.9611		0.9611	0.9611	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432
Total	0.9515	19.4584	23.4003	0.0391	7.0458	0.9611	8.0069	3.8730	0.9611	4.8340	0.0000	4,003.0859	4,003.0859	1.2265		4,028.8432

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368
Total	0.0644	0.0901	0.9496	2.3000e-003	0.2012	1.4400e-003	0.2026	0.0534	1.3300e-003	0.0547		183.9357	183.9357	9.5700e-003		184.1368

3.4 Grading - 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					

Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	15.0700	174.4011	113.0298	0.1510		8.0591	8.0591		7.4144	7.4144		15,451.5182	15,451.5182	4.7343		15,550.9389
Total	15.0700	174.4011	113.0298	0.1510	19.9979	8.0591	28.0570	7.4793	7.4144	14.8936		15,451.5182	15,451.5182	4.7343		15,550.9389

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823
Total	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,451.5182	15,451.5182	4.7343		15,550.9388

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823
Total	0.1538	0.2152	2.2686	5.5000e-003	0.4806	3.4300e-003	0.4841	0.1275	3.1700e-003	0.1306		439.4020	439.4020	0.0229		439.8823

3.4 Grading - 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					
Fugitive Dust					19.9979	0.0000	19.9979	7.4793	0.0000	7.4793			0.0000			0.0000
Off-Road	13.1050	149.4928	100.8719	0.1510		6.8033	6.8033		6.2590	6.2590		15,205.6442	15,205.6442	4.7337		15,305.0524
Total	13.1050	149.4928	100.8719	0.1510	19.9979	6.8033	26.8012	7.4793	6.2590	13.7383		15,205.6442	15,205.6442	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983
Total	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983

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					7.7992	0.0000	7.7992	2.9169	0.0000	2.9169			0.0000			0.0000
Off-Road	3.7039	72.4058	90.0745	0.1510		3.0824	3.0824		3.0824	3.0824	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524
Total	3.7039	72.4058	90.0745	0.1510	7.7992	3.0824	10.8816	2.9169	3.0824	5.9994	0.0000	15,205.6441	15,205.6441	4.7337		15,305.0524

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983
Total	0.1369	0.1940	2.0441	5.4900e-003	0.4806	3.3500e-003	0.4840	0.1275	3.1000e-003	0.1306		422.7548	422.7548	0.0211		423.1983

3.5 Wet Utilities - 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	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050
Total	1.3609	13.6932	12.7055	0.0177		0.8992	0.8992		0.8272	0.8272		1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437
Total	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437

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	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050
Total	0.4341	9.4565	13.3855	0.0177		0.6077	0.6077		0.6077	0.6077	0.0000	1,783.8429	1,783.8429	0.5553		1,795.5050

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437
Total	0.0414	0.0587	0.6180	1.6600e-003	0.1453	1.0100e-003	0.1463	0.0385	9.4000e-004	0.0395		127.8096	127.8096	6.3900e-003		127.9437

3.6 Paving - 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	1.6114	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481
Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.7305	17.1628	14.4944	0.0223		0.9386	0.9386		0.8635	0.8635		2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273
Total	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273

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	0.5490	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

Paving	0.1191					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.6681	11.0645	16.9276	0.0223		0.5982	0.5982		0.5982	0.5982	0.0000	2,245.2695	2,245.2695	0.6990		2,259.9481

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273
Total	0.0478	0.0677	0.7131	1.9200e-003	0.1677	1.1700e-003	0.1688	0.0445	1.0800e-003	0.0456		147.4726	147.4726	7.3700e-003		147.6273

3.7 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	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517
Total	2.6687	23.2608	17.5327	0.0268		1.4943	1.4943		1.4048	1.4048		2,609.9390	2,609.9390	0.6387		2,623.3517

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.2691	12.3228	17.1048	0.0355	1.0365	0.2020	1.2386	0.2959	0.1858	0.4818		3,448.6147	3,448.6147	0.0257			3,449.1535
Worker	1.6018	2.2698	23.9113	0.0643	5.6224	0.0392	5.6616	1.4911	0.0363	1.5274		4,945.2481	4,945.2481	0.2471			4,950.4363
Total	2.8709	14.5926	41.0161	0.0998	6.6589	0.2412	6.9001	1.7870	0.2221	2.0091		8,393.8628	8,393.8628	0.2727			8,399.5898

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	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517
Total	1.8023	17.4181	18.0176	0.0268		1.1606	1.1606		1.1304	1.1304	0.0000	2,609.9389	2,609.9389	0.6387			2,623.3517

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
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Category	lb/day										lb/day				
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2691	12.3228	17.1048	0.0355	1.0365	0.2020	1.2386	0.2959	0.1858	0.4818		3,448.6147	3,448.6147	0.0257	3,449.1535
Worker	1.6018	2.2698	23.9113	0.0643	5.6224	0.0392	5.6616	1.4911	0.0363	1.5274		4,945.2481	4,945.2481	0.2471	4,950.4363
Total	2.8709	14.5926	41.0161	0.0998	6.6589	0.2412	6.9001	1.7870	0.2221	2.0091		8,393.8628	8,393.8628	0.2727	8,399.5898

3.7 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	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479
Total	2.3516	20.9650	17.1204	0.0268		1.2850	1.2850		1.2083	1.2083		2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2034	11.3090	16.6349	0.0352	1.0364	0.1937	1.2301	0.2959	0.1782	0.4740		3,369.5231	3,369.5231	0.0248		3,370.0446

Worker	1.4563	2.0673	21.6513	0.0639	5.6224	0.0383	5.6606	1.4911	0.0355	1.5266		4,737.1825	4,737.1825	0.2278		4,741.9660
Total	2.6597	13.3764	38.2863	0.0992	6.6588	0.2320	6.8907	1.7869	0.2136	2.0006		8,106.7056	8,106.7056	0.2526		8,112.0106

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	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479
Total	1.6298	16.5864	17.8905	0.0268		1.0655	1.0655		1.0389	1.0389	0.0000	2,580.7618	2,580.7618	0.6279		2,593.9479

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.2034	11.3090	16.6349	0.0352	1.0364	0.1937	1.2301	0.2959	0.1782	0.4740		3,369.5231	3,369.5231	0.0248		3,370.0446
Worker	1.4563	2.0673	21.6513	0.0639	5.6224	0.0383	5.6606	1.4911	0.0355	1.5266		4,737.1825	4,737.1825	0.2278		4,741.9660
Total	2.6597	13.3764	38.2863	0.0992	6.6588	0.2320	6.8907	1.7869	0.2136	2.0006		8,106.7056	8,106.7056	0.2526		8,112.0106

3.7 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	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880
Total	2.1113	19.0839	16.8084	0.0268		1.1128	1.1128		1.0465	1.0465		2,542.4799	2,542.4799	0.6194			2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	1.1370	9.8349	16.1328	0.0352	1.0363	0.1769	1.2132	0.2958	0.1627	0.4586		3,292.2999	3,292.2999	0.0243			3,292.8108
Worker	1.3541	1.9071	20.0566	0.0639	5.6224	0.0382	5.6605	1.4911	0.0354	1.5265		4,543.2134	4,543.2134	0.2147			4,547.7230
Total	2.4911	11.7420	36.1894	0.0991	6.6587	0.2151	6.8737	1.7869	0.1981	1.9850		7,835.5133	7,835.5133	0.2391			7,840.5338

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880
Total	1.4939	15.8418	17.7910	0.0268		0.9812	0.9812		0.9580	0.9580	0.0000	2,542.4799	2,542.4799	0.6194		2,555.4880

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.1370	9.8349	16.1328	0.0352	1.0363	0.1769	1.2132	0.2958	0.1627	0.4586		3,292.2999	3,292.2999	0.0243		3,292.8108
Worker	1.3541	1.9071	20.0566	0.0639	5.6224	0.0382	5.6605	1.4911	0.0354	1.5265		4,543.2134	4,543.2134	0.2147		4,547.7230
Total	2.4911	11.7420	36.1894	0.0991	6.6587	0.2151	6.8737	1.7869	0.1981	1.9850		7,835.5133	7,835.5133	0.2391		7,840.5338

3.7 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	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.8931	17.3403	16.5376	0.0268		0.9549	0.9549		0.8979	0.8979		2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0970	8.3622	15.7273	0.0353	1.0362	0.1588	1.1950	0.2958	0.1461	0.4419		3,302.1980	3,302.1980	0.0248		3,302.7193
Worker	1.2817	1.7864	18.9611	0.0643	5.6224	0.0387	5.6611	1.4911	0.0359	1.5270		4,492.6474	4,492.6474	0.2072		4,496.9992
Total	2.3787	10.1486	34.6883	0.0996	6.6585	0.1975	6.8561	1.7868	0.1820	1.9689		7,794.8455	7,794.8455	0.2321		7,799.7184

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	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462
Total	1.3688	15.1118	17.6848	0.0268		0.9010	0.9010		0.8809	0.8809	0.0000	2,542.7817	2,542.7817	0.6126		2,555.6462

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	1.0970	8.3622	15.7273	0.0353	1.0362	0.1588	1.1950	0.2958	0.1461	0.4419		3,302.1980	3,302.1980	0.0248		3,302.7193
Worker	1.2817	1.7864	18.9611	0.0643	5.6224	0.0387	5.6611	1.4911	0.0359	1.5270		4,492.6474	4,492.6474	0.2072		4,496.9992
Total	2.3787	10.1486	34.6883	0.0996	6.6585	0.1975	6.8561	1.7868	0.1820	1.9689		7,794.8455	7,794.8455	0.2321		7,799.7184

3.8 Architectural Coating - 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					
Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102
Total	21.6739	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506		281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.3216	0.4558	4.8013	0.0129	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		992.9822	992.9822	0.0496		994.0240
Total	0.3216	0.4558	4.8013	0.0129	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		992.9822	992.9822	0.0496		994.0240

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2986	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102
Total	21.6739	2.0058	1.8542	2.9700e-003		0.1506	0.1506		0.1506	0.1506	0.0000	281.4485	281.4485	0.0267		282.0102

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3216	0.4558	4.8013	0.0129	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		992.9822	992.9822	0.0496		994.0240

Total	0.3216	0.4558	4.8013	0.0129	1.1289	7.8700e-003	1.1368	0.2994	7.2900e-003	0.3067		992.9822	992.9822	0.0496		994.0240
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3.8 Architectural Coating - 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					
Archit. Coating	21.3753						0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473
Total	21.6417	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2924	0.4151	4.3475	0.0128	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		951.2037	951.2037	0.0457		952.1641
Total	0.2924	0.4151	4.3475	0.0128	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		951.2037	951.2037	0.0457		952.1641

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473
Total	21.6417	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		281.9473

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2924	0.4151	4.3475	0.0128	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		951.2037	951.2037	0.0457		952.1641
Total	0.2924	0.4151	4.3475	0.0128	1.1289	7.6900e-003	1.1366	0.2994	7.1300e-003	0.3065		951.2037	951.2037	0.0457		952.1641

3.8 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					

Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057
Total	21.6175	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2719	0.3829	4.0273	0.0128	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		912.2556	912.2556	0.0431		913.1611
Total	0.2719	0.3829	4.0273	0.0128	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		912.2556	912.2556	0.0431		913.1611

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057
Total	21.6175	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9057

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000			0.0000
Worker	0.2719	0.3829	4.0273	0.0128	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		912.2556	912.2556	0.0431			913.1611
Total	0.2719	0.3829	4.0273	0.0128	1.1289	7.6600e-003	1.1366	0.2994	7.1100e-003	0.3065		912.2556	912.2556	0.0431			913.1611

3.8 Architectural Coating - 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						
Archit. Coating	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537
Total	21.5942	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193			281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2574	0.3587	3.8073	0.0129	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		902.1022	902.1022	0.0416		902.9760
Total	0.2574	0.3587	3.8073	0.0129	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		902.1022	902.1022	0.0416		902.9760

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	21.3753					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537
Total	21.5942	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.8537

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2574	0.3587	3.8073	0.0129	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		902.1022	902.1022	0.0416		902.9760
Total	0.2574	0.3587	3.8073	0.0129	1.1289	7.7700e-003	1.1367	0.2994	7.2100e-003	0.3066		902.1022	902.1022	0.0416		902.9760

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	26.6841	70.2027	300.7389	1.0433	72.7210	1.5002	74.2212	19.4225	1.3834	20.8059		78,853.6599	78,853.6599	2.4310		78,904.7102
Unmitigated	26.6841	70.2027	300.7389	1.0433	72.7210	1.5002	74.2212	19.4225	1.3834	20.8059		78,853.6599	78,853.6599	2.4310		78,904.7102

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Elementary School	510.00	0.00	0.00	1,255,468	1,255,468
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	9,034.08	9,515.52	8,278.88	30,737,184	30,737,184
Total	9,544.08	9,515.52	8,278.88	31,992,652	31,992,652

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
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LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.465544	0.065242	0.173782	0.157607	0.057427	0.009225	0.016327	0.043721	0.001116	0.001363	0.004759	0.000651	0.003237

5.0 Energy Detail

4.4 Fleet Mix

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901
NaturalGas Unmitigated	0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Elementary School	2574.53	0.0278	0.2524	0.2120	1.5100e-003		0.0192	0.0192		0.0192	0.0192		302.8854	302.8854	5.8100e-003	5.5500e-003	304.7287

Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	76792.2	0.8282	7.0769	3.0115	0.0452		0.5722	0.5722		0.5722	0.5722		9,034.3797	9,034.3797	0.1732	0.1656	9,089.3614
Total		0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	76.7922	0.8282	7.0769	3.0115	0.0452		0.5722	0.5722		0.5722	0.5722		9,034.3797	9,034.3797	0.1732	0.1656	9,089.3614
Elementary School	2.57453	0.0278	0.2524	0.2120	1.5100e-003		0.0192	0.0192		0.0192	0.0192		302.8854	302.8854	5.8100e-003	5.5500e-003	304.7287
Total		0.8559	7.3293	3.2235	0.0467		0.5914	0.5914		0.5914	0.5914		9,337.2651	9,337.2651	0.1790	0.1712	9,394.0901

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	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675
Unmitigated	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6834	1.6834	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

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	6.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.3369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.8325	8.0000e-005	0.1000	0.0000		1.2661	1.2661		1.2527	1.2527	0.0000	19,990.5882	19,990.5882	0.3832	0.3665	20,112.2476
Landscaping	2.3745	0.9019	78.1536	4.1200e-003		0.4306	0.4306		0.4306	0.4306		140.4538	140.4538	0.1365		143.3199
Total	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6833	1.6833	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

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	6.1081					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	41.3369					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	1.8325	8.0000e-005	0.1000	0.0000		1.2661	1.2661		1.2527	1.2527	0.0000	19,990.5882	19,990.5882	0.3832	0.3665	20,112.2476
Landscaping	2.3745	0.9019	78.1536	4.1200e-003		0.4306	0.4306		0.4306	0.4306		140.4538	140.4538	0.1365		143.3199
Total	51.6519	0.9020	78.2536	4.1200e-003		1.6967	1.6967		1.6833	1.6833	0.0000	20,131.0420	20,131.0420	0.5196	0.3665	20,255.5675

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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