Appendix A:
Air Quality and Greenhouse Gas Supporting Information

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Air Quality and Greenhouse Gas Emissions Supporting Information

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3746.0003 Blue Wave Carwash CalEEMod Notes

Note 1. Land uses and sizes associated with development of the proposed project are drawn from CEI ENGINEERING ASSOCIATES, INC. Site Plans dated April 2, 2021; and Applicant-provided information provided on September 17, 2020. Land uses utilized in the model represent the following:

Retail > Automobile Care Center > 3.6 x 1,000 sq ft. = Car Wash

Parking > Parking Lot > 26 spaces (10,400 sq ft.) = parking space area

Parking > Non-Asphalt Surfaces > 33,976 SQ FT = sidewalks, walkways, other paved areas

Recreational > City Park > 0.27acres = Landscaping.

Note 2. According to Applicant-provided information, dated September 17, 2020, project construction is anticipated to occur from February 2022, to December, 2022. CalEEMod default construction activities, durations, and equipment were adjusted to reflect this. According to Applicant provided information approximately 3,190 cubic yards of soil would be exported during grading activities.

Note 3. During the proposed project construction model, all operational emission sources were reduced to zero to separate modeled construction emissions from operational emission results. During the proposed project operational models, all construction emission sources were reduced to zero to separate modeled construction and operational emission results.

Note 4. W-Trans produced a Focused Transportation Analysis for the proposed project, dated July 28, 2021, that analyzes the trip generation rates for the proposed project. The study relies on the 10th Edition Institute of Transportation Engineers (ITE) Manual for the daily rates for ITE Code LU 948, Automated Car Wash. According to the 10 Edition ITE Manual LU 948 results in the following peak hour trip rate (Rates per 1,000 sq ft): Wkday peak hour - 11.66 and Sat peak hour - 30.40.

Trip generation rates for all other land uses in the model were reduced to zero as project trips are captured in the Automated Car Wash land use. Pass-by trips for the project's car wash use are not included in the ITE Handbook, so W-Trans used the Gasoline Service Station (ITE LU 944) as a reference and it was assumed that 25 percent of the proposed car wash trips would be by pass-by trips. The project is estimated to generate 82 trips during the weekend peak hour with 41 entering the site and 41 exiting. Since the trip rates are given for only the peak hour, the daily trip rate was calculated as follows:

Weekday: 11.66 trips per hour x 10 = 116.6 trips per day

Weekend: 30.40 trips per hour x 10 = 304.0 trips per day.

Peak hour	Daily Rate		
per 1 k sq ft	per 1 k sq ft	Unit	Trips
11.66	116.60	3.6	419.76
30.4	304.00	3.6	1094.4

419.76 x 5 (Monday – Friday) = 2,099 customers

1,094.4 x 2 (Saturday and Sunday) = 2,189 customers

Total number of customers per 7 days = 4,288

4,288 customers per 7 days x 52 weeks in a year = 222,976 customers per year.

Note 5. BAAQMD *Basic Construction Mitigation Measures Recommended For All Proposed Projects* was applied to this project. This includes watering exposed areas at minimum twice per day and limiting construction vehicle speeds to 15 miles per hour on unpaved roads.

Note 6. For a conservative analysis, the proposed project is assumed to operate 365 days per year, resulting in 222,976 annual customers. According to the International Carwash Association's 2018 study Water Use, Evaporation and Carryout: Conveyor Car Washes, an average of 30 gallons of water is used per vehicle at facilities in the study. Because the City of Pittsburg does not have any regulations requiring full-service car washes to have water recycling systems, the proposed project is assumed to not have one for a conservative estimate. Therefore, 30 gallons of water use for each of the estimated 222,976 annual customers would result in an estimated 6,689,280 gallons of water used per year.

Note 7. The Off-site Improvements are shown as asphalt pavement because the project would connect to an existing water main within the median of East Leland Drive. The water main is approximately 45 linear feet from the proposed project's water line. For modeling purposes, FCS assumed that connecting to the water main would result in a 6-foot wide 45-foot long area. As a result, 270 square feet of asphalt paving is included in the Land Use portion of the model.

Blue Wave Carwash-Construction Run - Contra Costa County, Annual
Date: 11/11/2021 10:56 AM
Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Annual
11/12/2021 10:12

Annual Construction Emissions (tons)

Activity	ROG	NO_x	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)	CO_2e (Metric Tons)
Project Site (on site emissions)	0.03	0.39	0.01	0.03	0.01	0.01	57.4
Project Site (Off site emissions)	0.00	0.00	0.00	0.00	0.00	0.00	1.8
Site Preparation 2022	**0.03**	**0.39**	**0.01**	**0.03**	**0.01**	**0.01**	**59.2**
Project Site (on site emissions)	0.01	0.11	0.01	0.03	0.00	0.02	12.6
Project Site (Off site emissions)	0.00	0.03	0.00	0.00	0.00	0.00	13.8
Off-site Improvements (On site emissions)	0.00	0.01	0.00	0.00	0.00	0.00	1.2
Off-site Improvements (off site emissions)	0.00	0.00	0.00	0.00	0.00	0.00	0.1
Grading 2022	**0.01**	**0.16**	**0.01**	**0.03**	**0.01**	**0.02**	**27.7**
Project Site (on site emissions)	0.00	0.02	0.00	0.00	0.00	0.00	2.1
Project Site (Off site emissions)	0.00	0.00	0.00	0.00	0.00	0.00	0.2
Off-site Improvements (On site emissions)	0.00	0.01	0.00	0.00	0.00	0.00	1.4
Off-site Improvements (off site emissions)	0.00	0.00	0.00	0.00	0.00	0.00	0.1
Paving 2022	**0.00**	**0.02**	**0.00**	**0.00**	**0.00**	**0.00**	**3.83**
Project Site (on site emissions)	0.12	0.89	0.04	0.04	0.04	0.04	173.9
Project Site (Off site emissions)	0.01	0.05	0.00	0.02	0.00	0.01	29.4
Building Construction 2022	**0.12**	**0.94**	**0.04**	**0.06**	**0.04**	**0.04**	**203.3**
Project Site (on site emissions)	0.03	0.01	0.00	0.00	0.00	0.00	1.3
Project Site (Off site emissions)	0.00	0.00	0.00	0.00	0.00	0.00	0.2
Architectural Coating 2022	**0.03**	**0.01**	**0.00**	**0.00**	**0.00**	**0.00**	**1.4**
On Site	**0.19**	**1.43**	**0.06**	**0.09**	**0.06**	**0.07**	**250.01**
Off Site	**0.01**	**0.08**	**0.00**	**0.03**	**0.00**	**0.01**	**45.48**
						Total amortized over 30 years	**9.8**

Average Daily Construction Emissions (lbs/day)

	ROG	NO_x	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)
Total Emissions (tons)	0.20	1.51	0.06	0.12	0.06	0.08
Total Emissions (lbs)	405	3,025	119	245	113	153
Average Daily Emissions (lbs/day)	**1.70**	**12.71**	**0.50**	**1.03**	**0.47**	**0.64**

	Start	End	Num Workdays/Week
Construction Schedule	2/1/2022	12/29/2022	5
Total Construction Workdays	**238**		

Operational 2023 Emissions Summary

Proposed Project Operations - Summer and Winter Scenarios

Blue Wave CarWash - Operations Run - Contra Costa County, Summer

CalEEMod Run: Summer. Date: 11/12/2021 10:06 AM

Emissions Source	Pounds per Day					
	ROG	NO_x	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)
Area	0.11	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.03	0.00	0.00	0.00	0.00
Mobile	0.85	0.74	0.01	0.01	0.01	0.38
Stationary	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.96**	**0.77**	**0.01**	**0.01**	**0.01**	**0.39**

Blue Wave CarWash - Operations Run - Contra Costa County, Winter

CalEEMod Run: Winter. Date: 11/9/2021 11:50 AM

Emissions Source	Pounds per Day					
	ROG	NO_x	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)
Area	0.11	0.00	0.00	0.00	0.00	0.00
Energy	0.00	0.03	0.00	0.00	0.00	0.00
Mobile	0.73	0.86	0.01	1.42	0.01	0.38
Stationary	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.84**	**0.89**	**0.01**	**1.42**	**0.01**	**0.39**

Proposed Project Operations - Maximum Daily Emissions

Bluewave Carwash - Operations Run

Maximum between Summer and Winter Scenarios

Emissions Source	Pounds per Day					
	ROG	NO_x	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)
Proposed Project	0.96	0.89	0.01	1.42	0.01	0.39
CalEEMod Run	Summer	Winter	Winter	Winter	Winter	Winter
Proposed Project Emissions	**0.96**	**0.89**	**0.01**	**1.42**	**0.01**	**0.39**

Annual Operational 2023 Emissions Summary

Proposed Project Operations - Annual Emissions

Blue Wave CarWash - Operations Run - Contra Costa County, Annual

CalEEMod Run: Annual. Date: 11/9/2021 11:48 AM

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO_x	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)	CO_2e	Bio-CO_2	NBio-CO_2e
Area	0.02	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	8.1	0.0	8.1
Mobile	0.07	0.08	0.00	0.14	0.00	0.04	125.1	0.0	123.1
Stationary	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0
Waste	0.00	0.00	0.00	0.00	0.00	0.00	6.9	2.8	2.4
Water	0.00	0.00	0.00	0.00	0.00	0.00	2.9	0.1	0.0
Annual Total	**0.09**	**0.08**	**0.00**	**0.14**	**0.00**	**0.04**	**143.1**	**2.9**	**133.6**
Amortized Construction Emissions (30 years)									*9.8*
Total Operational GHG Emissions ($MTCO_2e$/year)									**152.8**

Note:

All operational emissions were taken from the Mitigated model results to account for BAAQMD and City requirements. For GHG emissions, only non-biogenic CO2e emissions are included in the project's operational GHG emissions, per BAAQMD's 2017 CEQA Air Quality Guidelines. In addition, per BAAQMD's 2017 CEQA Air Quality Guidelines, stationary source GHG emissions are separated from the project's operational GHG emissions are analyzed against the BAAQMD's stationary source threshold.

Annual Operational 2030 Emissions Summary

Existing Operations - Annual Emissions

Blue Wave CarWash - Operations Run 2030 - Contra Costa County, Annual

CalEEMod Run: Annual. Date: 11/15/2021 5:36 PM

Emissions Source	Tons per Year						Metric Tons per Year		
	ROG	NO_x	PM_{10} (Exhaust)	PM_{10} (Total)	$PM_{2.5}$ (Exhaust)	$PM_{2.5}$ (Total)	Total CO_2e	Bio-CO_2	NBio-CO_2e
Area	0.02	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0
Energy	0.00	0.00	0.00	0.00	0.00	0.00	8.1	0.0	8.1
Mobile	0.07	0.08	0.00	0.14	0.04	0.04	125.1	0.0	123.1
Stationary	0.00	0.00	0.00	0.00	0.00	0.00	0.0	-	-
Waste	0.00	0.00	0.00	0.00	0.00	0.00	6.9	2.7	0.0
Water	0.00	0.00	0.00	0.00	0.00	0.00	2.9	0.1	2.4
Annual Total	**0.10**	**0.08**	**0.00**	**0.14**	**0.04**	**0.04**	**143.0**	**2.8**	**133.7**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave Carwash-Construction Run

Contra Costa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	33.98	1000sqft	0.78	33,976.00	0
Parking Lot	10.40	1000sqft	0.24	10,400.00	0
City Park	0.27	Acre	0.27	11,761.20	0
Automobile Care Center	3.60	1000sqft	0.08	3,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 1

Construction Phase - Note 2

Off-road Equipment -

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Blue Wave Carwash-Construction Run - Contra Costa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Note 2

Demolition -

Grading - Note 2

Vehicle Trips - Note 3

Energy Use - Note 3

Water And Wastewater - Note 3

Solid Waste - Note 3

Construction Off-road Equipment Mitigation - Note 5

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	110.00
tblConstructionPhase	NumDays	4.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	155.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblGrading	MaterialExported	0.00	3,190.00
tblLandUse	LandUseSquareFeet	33,980.00	33,976.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	13.75	0.00
tblSolidWaste	SolidWasteGenerationRate	0.02	0.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	IndoorWaterUseRate	338,691.99	0.00
tblWater	OutdoorWaterUseRate	207,585.41	0.00
tblWater	OutdoorWaterUseRate	321,699.96	0.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2015	1.4922	1.5181	3.3700e-003	0.1059	0.0591	0.1650	0.0359	0.0557	0.0916	0.0000	289.5105	289.5105	0.0705	4.7900e-003	292.7002
Maximum	**0.2015**	**1.4922**	**1.5181**	**3.3700e-003**	**0.1059**	**0.0591**	**0.1650**	**0.0359**	**0.0557**	**0.0916**	**0.0000**	**289.5105**	**289.5105**	**0.0705**	**4.7900e-003**	**292.7002**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.2015	1.4922	1.5181	3.3700e-003	0.0627	0.0591	0.1218	0.0202	0.0557	0.0759	0.0000	289.5102	289.5102	0.0705	4.7900e-003	292.6999
Maximum	**0.2015**	**1.4922**	**1.5181**	**3.3700e-003**	**0.0627**	**0.0591**	**0.1218**	**0.0202**	**0.0557**	**0.0759**	**0.0000**	**289.5102**	**289.5102**	**0.0705**	**4.7900e-003**	**292.6999**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**40.76**	**0.00**	**26.17**	**43.57**	**0.00**	**17.08**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-1-2022**	**4-30-2022**	0.4167	0.4167
2	**5-1-2022**	**7-31-2022**	0.5007	0.5007
3	**8-1-2022**	**9-30-2022**	0.3291	0.3291
		Highest	0.5007	0.5007

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0199	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.6000e-004	8.6000e-004	0.0000	0.0000	9.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0199**	**0.0000**	**4.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**8.6000e-004**	**8.6000e-004**	**0.0000**	**0.0000**	**9.2000e-004**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0199	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.6000e-004	8.6000e-004	0.0000	0.0000	9.2000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**0.0199**	**0.0000**	**4.4000e-004**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**8.6000e-004**	**8.6000e-004**	**0.0000**	**0.0000**	**9.2000e-004**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Site Preparation	Site Preparation	2/1/2022	7/4/2022	5	110	
2	Grading	Grading	2/1/2022	2/21/2022	5	15	
3	Paving	Paving	4/4/2022	4/22/2022	5	15	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4	Building Construction	Building Construction	5/27/2022	12/29/2022	5	155	
5	Architectural Coating	Architectural Coating	8/8/2022	8/19/2022	5	10	

Acres of Grading (Site Preparation Phase): 55

Acres of Grading (Grading Phase): 7.5

Acres of Paving: 1.02

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,402; Non-Residential Outdoor: 1,801; Striped Parking Area: 2,663 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	1	8.00	187	0.41
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Skid Steer Loaders	1	8.00	65	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Rollers	1	8.00	80	0.38
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Architectural Coating	Air Compressors	1	6.00	78	0.48

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	399.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0292	0.0000	0.0292	3.1500e-003	0.0000	3.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0340	0.3869	0.2737	6.5000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	56.9451	56.9451	0.0184	0.0000	57.4055
Total	**0.0340**	**0.3869**	**0.2737**	**6.5000e-004**	**0.0292**	**0.0139**	**0.0431**	**3.1500e-003**	**0.0128**	**0.0160**	**0.0000**	**56.9451**	**56.9451**	**0.0184**	**0.0000**	**57.4055**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.6000e-004	6.6600e-003	2.0000e-005	2.1800e-003	1.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7515	1.7515	6.0000e-005	5.0000e-005	1.7683
Total	**7.7000e-004**	**5.6000e-004**	**6.6600e-003**	**2.0000e-005**	**2.1800e-003**	**1.0000e-005**	**2.1900e-003**	**5.8000e-004**	**1.0000e-005**	**5.9000e-004**	**0.0000**	**1.7515**	**1.7515**	**6.0000e-005**	**5.0000e-005**	**1.7683**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0131	0.0000	0.0131	1.4200e-003	0.0000	1.4200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0340	0.3869	0.2737	6.5000e-004		0.0139	0.0139		0.0128	0.0128	0.0000	56.9450	56.9450	0.0184	0.0000	57.4054
Total	**0.0340**	**0.3869**	**0.2737**	**6.5000e-004**	**0.0131**	**0.0139**	**0.0270**	**1.4200e-003**	**0.0128**	**0.0142**	**0.0000**	**56.9450**	**56.9450**	**0.0184**	**0.0000**	**57.4054**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.7000e-004	5.6000e-004	6.6600e-003	2.0000e-005	2.1800e-003	1.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.7515	1.7515	6.0000e-005	5.0000e-005	1.7683
Total	**7.7000e-004**	**5.6000e-004**	**6.6600e-003**	**2.0000e-005**	**2.1800e-003**	**1.0000e-005**	**2.1900e-003**	**5.8000e-004**	**1.0000e-005**	**5.9000e-004**	**0.0000**	**1.7515**	**1.7515**	**6.0000e-005**	**5.0000e-005**	**1.7683**

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0493	0.0000	0.0493	0.0253	0.0000	0.0253	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.1097	0.0822	1.4000e-004		5.3900e-003	5.3900e-003		4.9700e-003	4.9700e-003	0.0000	12.5408	12.5408	4.0000e-003	0.0000	12.6409
Total	**0.0105**	**0.1097**	**0.0822**	**1.4000e-004**	**0.0493**	**5.3900e-003**	**0.0547**	**0.0253**	**4.9700e-003**	**0.0303**	**0.0000**	**12.5408**	**12.5408**	**4.0000e-003**	**0.0000**	**12.6409**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3000e-004	0.0341	7.2500e-003	1.3000e-004	3.3800e-003	3.1000e-004	3.6900e-003	9.3000e-004	3.0000e-004	1.2300e-003	0.0000	12.4926	12.4926	4.1000e-004	1.9800e-003	13.0929
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.3000e-004	2.7300e-003	1.0000e-005	8.9000e-004	0.0000	9.0000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7165	0.7165	2.0000e-005	2.0000e-005	0.7234
Total	**1.2500e-003**	**0.0344**	**9.9800e-003**	**1.4000e-004**	**4.2700e-003**	**3.1000e-004**	**4.5900e-003**	**1.1700e-003**	**3.0000e-004**	**1.4700e-003**	**0.0000**	**13.2091**	**13.2091**	**4.3000e-004**	**2.0000e-003**	**13.8163**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0222	0.0000	0.0222	0.0114	0.0000	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.1097	0.0822	1.4000e-004		5.3900e-003	5.3900e-003		4.9700e-003	4.9700e-003	0.0000	12.5408	12.5408	4.0000e-003	0.0000	12.6409
Total	**0.0105**	**0.1097**	**0.0822**	**1.4000e-004**	**0.0222**	**5.3900e-003**	**0.0276**	**0.0114**	**4.9700e-003**	**0.0164**	**0.0000**	**12.5408**	**12.5408**	**4.0000e-003**	**0.0000**	**12.6409**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.3000e-004	0.0341	7.2500e-003	1.3000e-004	3.3800e-003	3.1000e-004	3.6900e-003	9.3000e-004	3.0000e-004	1.2300e-003	0.0000	12.4926	12.4926	4.1000e-004	1.9800e-003	13.0929
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.2000e-004	2.3000e-004	2.7300e-003	1.0000e-005	8.9000e-004	0.0000	9.0000e-004	2.4000e-004	0.0000	2.4000e-004	0.0000	0.7165	0.7165	2.0000e-005	2.0000e-005	0.7234
Total	**1.2500e-003**	**0.0344**	**9.9800e-003**	**1.4000e-004**	**4.2700e-003**	**3.1000e-004**	**4.5900e-003**	**1.1700e-003**	**3.0000e-004**	**1.4700e-003**	**0.0000**	**13.2091**	**13.2091**	**4.3000e-004**	**2.0000e-003**	**13.8163**

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6900e-003	0.0157	0.0163	3.0000e-005		8.5000e-004	8.5000e-004		7.9000e-004	7.9000e-004	0.0000	2.0726	2.0726	5.9000e-004	0.0000	2.0875
Paving	3.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-003**	**0.0157**	**0.0163**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**7.9000e-004**	**7.9000e-004**	**0.0000**	**2.0726**	**2.0726**	**5.9000e-004**	**0.0000**	**2.0875**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	9.1000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2388	0.2388	1.0000e-005	1.0000e-005	0.2411
Total	**1.1000e-004**	**8.0000e-005**	**9.1000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**3.0000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2388**	**0.2388**	**1.0000e-005**	**1.0000e-005**	**0.2411**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.6900e-003	0.0157	0.0163	3.0000e-005		8.5000e-004	8.5000e-004		7.9000e-004	7.9000e-004	0.0000	2.0726	2.0726	5.9000e-004	0.0000	2.0875
Paving	3.1000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-003**	**0.0157**	**0.0163**	**3.0000e-005**		**8.5000e-004**	**8.5000e-004**		**7.9000e-004**	**7.9000e-004**	**0.0000**	**2.0726**	**2.0726**	**5.9000e-004**	**0.0000**	**2.0875**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	9.1000e-004	0.0000	3.0000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2388	0.2388	1.0000e-005	1.0000e-005	0.2411
Total	**1.1000e-004**	**8.0000e-005**	**9.1000e-004**	**0.0000**	**3.0000e-004**	**0.0000**	**3.0000e-004**	**8.0000e-005**	**0.0000**	**8.0000e-005**	**0.0000**	**0.2388**	**0.2388**	**1.0000e-005**	**1.0000e-005**	**0.2411**

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1165	0.8897	1.0584	2.0800e-003		0.0376	0.0376		0.0359	0.0359	0.0000	172.7866	172.7866	0.0462	0.0000	173.9413
Total	**0.1165**	**0.8897**	**1.0584**	**2.0800e-003**		**0.0376**	**0.0376**		**0.0359**	**0.0359**	**0.0000**	**172.7866**	**172.7866**	**0.0462**	**0.0000**	**173.9413**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8100e-003	0.0442	0.0134	1.7000e-004	5.1000e-003	4.9000e-004	5.5900e-003	1.4700e-003	4.7000e-004	1.9400e-003	0.0000	16.1902	16.1902	3.6000e-004	2.3600e-003	16.9015
Worker	5.4600e-003	3.9200e-003	0.0470	1.3000e-004	0.0154	8.0000e-005	0.0155	4.0900e-003	8.0000e-005	4.1600e-003	0.0000	12.3400	12.3400	3.9000e-004	3.6000e-004	12.4584
Total	**7.2700e-003**	**0.0481**	**0.0604**	**3.0000e-004**	**0.0205**	**5.7000e-004**	**0.0210**	**5.5600e-003**	**5.5000e-004**	**6.1000e-003**	**0.0000**	**28.5302**	**28.5302**	**7.5000e-004**	**2.7200e-003**	**29.3600**

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1165	0.8897	1.0584	2.0800e-003		0.0376	0.0376		0.0359	0.0359	0.0000	172.7864	172.7864	0.0462	0.0000	173.9411
Total	**0.1165**	**0.8897**	**1.0584**	**2.0800e-003**		**0.0376**	**0.0376**		**0.0359**	**0.0359**	**0.0000**	**172.7864**	**172.7864**	**0.0462**	**0.0000**	**173.9411**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.8100e-003	0.0442	0.0134	1.7000e-004	5.1000e-003	4.9000e-004	5.5900e-003	1.4700e-003	4.7000e-004	1.9400e-003	0.0000	16.1902	16.1902	3.6000e-004	2.3600e-003	16.9015
Worker	5.4600e-003	3.9200e-003	0.0470	1.3000e-004	0.0154	8.0000e-005	0.0155	4.0900e-003	8.0000e-005	4.1600e-003	0.0000	12.3400	12.3400	3.9000e-004	3.6000e-004	12.4584
Total	**7.2700e-003**	**0.0481**	**0.0604**	**3.0000e-004**	**0.0205**	**5.7000e-004**	**0.0210**	**5.5600e-003**	**5.5000e-004**	**6.1000e-003**	**0.0000**	**28.5302**	**28.5302**	**7.5000e-004**	**2.7200e-003**	**29.3600**

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0280					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.0291**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1592	0.1592	1.0000e-005	0.0000	0.1608
Total	**7.0000e-005**	**5.0000e-005**	**6.1000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1592**	**0.1592**	**1.0000e-005**	**0.0000**	**0.1608**

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	tons/yr										MT/yr					
Archit. Coating	0.0280					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0200e-003	7.0400e-003	9.0700e-003	1.0000e-005		4.1000e-004	4.1000e-004		4.1000e-004	4.1000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2787
Total	**0.0291**	**7.0400e-003**	**9.0700e-003**	**1.0000e-005**		**4.1000e-004**	**4.1000e-004**		**4.1000e-004**	**4.1000e-004**	**0.0000**	**1.2766**	**1.2766**	**8.0000e-005**	**0.0000**	**1.2787**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1592	0.1592	1.0000e-005	0.0000	0.1608
Total	**7.0000e-005**	**5.0000e-005**	**6.1000e-004**	**0.0000**	**2.0000e-004**	**0.0000**	**2.0000e-004**	**5.0000e-005**	**0.0000**	**5.0000e-005**	**0.0000**	**0.1592**	**0.1592**	**1.0000e-005**	**0.0000**	**0.1608**

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
City Park	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Other Non-Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Parking Lot	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-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	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-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	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0199	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.6000e-004	8.6000e-004	0.0000	0.0000	9.2000e-004
Unmitigated	0.0199	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.6000e-004	8.6000e-004	0.0000	0.0000	9.2000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.6000e-004	8.6000e-004	0.0000	0.0000	9.2000e-004
Total	**0.0199**	**0.0000**	**4.4000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**8.6000e-004**	**8.6000e-004**	**0.0000**	**0.0000**	**9.2000e-004**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.0000e-005	0.0000	4.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	8.6000e-004	8.6000e-004	0.0000	0.0000	9.2000e-004
Total	**0.0199**	**0.0000**	**4.4000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**8.6000e-004**	**8.6000e-004**	**0.0000**	**0.0000**	**9.2000e-004**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0 / 0	0.0000	0.0000	0.0000	0.0000
City Park	0 / 0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	0	0.0000	0.0000	0.0000	0.0000
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave Carwash-Construction Run

Contra Costa County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	33.98	1000sqft	0.78	33,976.00	0
Parking Lot	10.40	1000sqft	0.24	10,400.00	0
City Park	0.27	Acre	0.27	11,761.20	0
Automobile Care Center	3.60	1000sqft	0.08	3,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 1

Construction Phase - Note 2

Off-road Equipment -

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Blue Wave Carwash-Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Note 2

Demolition -

Grading - Note 2

Vehicle Trips - Note 3

Energy Use - Note 3

Water And Wastewater - Note 3

Solid Waste - Note 3

Construction Off-road Equipment Mitigation - Note 5

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	110.00
tblConstructionPhase	NumDays	4.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	155.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblGrading	MaterialExported	0.00	3,190.00
tblLandUse	LandUseSquareFeet	33,980.00	33,976.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	13.75	0.00
tblSolidWaste	SolidWasteGenerationRate	0.02	0.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	IndoorWaterUseRate	338,691.99	0.00
tblWater	OutdoorWaterUseRate	207,585.41	0.00
tblWater	OutdoorWaterUseRate	321,699.96	0.00

2.0 Emissions Summary

Blue Wave Carwash-Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2022	7.4316	26.0943	19.6087	0.0493	7.7361	1.0139	8.7500	3.5994	0.9351	4.5345	0.0000	4,972.0635	4,972.0635	1.0374	0.2948	5,085.4686
Maximum	**7.4316**	**26.0943**	**19.6087**	**0.0493**	**7.7361**	**1.0139**	**8.7500**	**3.5994**	**0.9351**	**4.5345**	**0.0000**	**4,972.0635**	**4,972.0635**	**1.0374**	**0.2948**	**5,085.4686**

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					
2022	7.4316	26.0943	19.6087	0.0493	3.8274	1.0139	4.8413	1.7138	0.9351	2.6489	0.0000	4,972.0635	4,972.0635	1.0374	0.2948	5,085.4686
Maximum	**7.4316**	**26.0943**	**19.6087**	**0.0493**	**3.8274**	**1.0139**	**4.8413**	**1.7138**	**0.9351**	**2.6489**	**0.0000**	**4,972.0635**	**4,972.0635**	**1.0374**	**0.2948**	**5,085.4686**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**50.53**	**0.00**	**44.67**	**52.39**	**0.00**	**41.58**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Blue Wave Carwash-Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1092	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	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	**0.1092**	**4.0000e-005**	**4.9300e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**		**0.0106**	**0.0106**	**3.0000e-005**	**0.0000**	**0.0113**

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	0.1092	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	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	**0.1092**	**4.0000e-005**	**4.9300e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**		**0.0106**	**0.0106**	**3.0000e-005**	**0.0000**	**0.0113**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Site Preparation	Site Preparation	2/1/2022	7/4/2022	5	110	
2	Grading	Grading	2/1/2022	2/21/2022	5	15	
3	Paving	Paving	4/4/2022	4/22/2022	5	15	
4	Building Construction	Building Construction	5/27/2022	12/29/2022	5	155	
5	Architectural Coating	Architectural Coating	8/8/2022	8/19/2022	5	10	

Acres of Grading (Site Preparation Phase): 55

Acres of Grading (Grading Phase): 7.5

Acres of Paving: 1.02

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,402; Non-Residential Outdoor: 1,801; Striped Parking Area: 2,663 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	1	8.00	187	0.41
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Skid Steer Loaders	1	8.00	65	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Rollers	1	8.00	80	0.38
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	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
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	399.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6174	7.0346	4.9769	0.0118		0.2531	0.2531		0.2329	0.2329		1,141.2942	1,141.2942	0.3691		1,150.5222
Total	**0.6174**	**7.0346**	**4.9769**	**0.0118**	**0.5303**	**0.2531**	**0.7834**	**0.0573**	**0.2329**	**0.2901**		**1,141.2942**	**1,141.2942**	**0.3691**		**1,150.5222**

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
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	0.0155	9.0500e-003	0.1342	3.8000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.9367	37.9367	1.0500e-003	9.6000e-004	38.2494
Total	**0.0155**	**9.0500e-003**	**0.1342**	**3.8000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.9367**	**37.9367**	**1.0500e-003**	**9.6000e-004**	**38.2494**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.6174	7.0346	4.9769	0.0118		0.2531	0.2531		0.2329	0.2329	0.0000	1,141.2942	1,141.2942	0.3691		1,150.5222
Total	**0.6174**	**7.0346**	**4.9769**	**0.0118**	**0.2386**	**0.2531**	**0.4917**	**0.0258**	**0.2329**	**0.2586**	**0.0000**	**1,141.2942**	**1,141.2942**	**0.3691**		**1,150.5222**

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	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	0.0155	9.0500e-003	0.1342	3.8000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.9367	37.9367	1.0500e-003	9.6000e-004	38.2494
Total	**0.0155**	**9.0500e-003**	**0.1342**	**3.8000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.9367**	**37.9367**	**1.0500e-003**	**9.6000e-004**	**38.2494**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5764	0.0000	6.5764	3.3711	0.0000	3.3711			0.0000			0.0000
Off-Road	1.4013	14.6318	10.9564	0.0192		0.7188	0.7188		0.6621	0.6621		1,843.1780	1,843.1780	0.5886		1,857.8917
Total	**1.4013**	**14.6318**	**10.9564**	**0.0192**	**6.5764**	**0.7188**	**7.2952**	**3.3711**	**0.6621**	**4.0332**		**1,843.1780**	**1,843.1780**	**0.5886**		**1,857.8917**

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	0.1248	4.3917	0.9604	0.0168	0.4651	0.0411	0.5063	0.1275	0.0394	0.1668		1,835.8446	1,835.8446	0.0605	0.2909	1,924.0572
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	0.0464	0.0271	0.4025	1.1300e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		113.8101	113.8101	3.1500e-003	2.8800e-003	114.7482
Total	**0.1712**	**4.4189**	**1.3629**	**0.0180**	**0.5884**	**0.0418**	**0.6301**	**0.1602**	**0.0399**	**0.2001**		**1,949.6547**	**1,949.6547**	**0.0637**	**0.2938**	**2,038.8054**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

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					2.9594	0.0000	2.9594	1.5170	0.0000	1.5170			0.0000			0.0000
Off-Road	1.4013	14.6318	10.9564	0.0192		0.7188	0.7188		0.6621	0.6621	0.0000	1,843.1780	1,843.1780	0.5886		1,857.8917
Total	**1.4013**	**14.6318**	**10.9564**	**0.0192**	**2.9594**	**0.7188**	**3.6782**	**1.5170**	**0.6621**	**2.1791**	**0.0000**	**1,843.1780**	**1,843.1780**	**0.5886**		**1,857.8917**

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	0.1248	4.3917	0.9604	0.0168	0.4651	0.0411	0.5063	0.1275	0.0394	0.1668		1,835.8446	1,835.8446	0.0605	0.2909	1,924.0572
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	0.0464	0.0271	0.4025	1.1300e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		113.8101	113.8101	3.1500e-003	2.8800e-003	114.7482
Total	**0.1712**	**4.4189**	**1.3629**	**0.0180**	**0.5884**	**0.0418**	**0.6301**	**0.1602**	**0.0399**	**0.2001**		**1,949.6547**	**1,949.6547**	**0.0637**	**0.2938**	**2,038.8054**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2250	2.0941	2.1688	3.3300e-003		0.1138	0.1138		0.1058	0.1058		304.6201	304.6201	0.0874		306.8058
Paving	0.0419					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2670**	**2.0941**	**2.1688**	**3.3300e-003**		**0.1138**	**0.1138**		**0.1058**	**0.1058**		**304.6201**	**304.6201**	**0.0874**		**306.8058**

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
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	0.0155	9.0500e-003	0.1342	3.8000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.9367	37.9367	1.0500e-003	9.6000e-004	38.2494
Total	**0.0155**	**9.0500e-003**	**0.1342**	**3.8000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.9367**	**37.9367**	**1.0500e-003**	**9.6000e-004**	**38.2494**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2022

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	0.2250	2.0941	2.1688	3.3300e-003		0.1138	0.1138		0.1058	0.1058	0.0000	304.6201	304.6201	0.0874		306.8058
Paving	0.0419					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2670**	**2.0941**	**2.1688**	**3.3300e-003**		**0.1138**	**0.1138**		**0.1058**	**0.1058**	**0.0000**	**304.6201**	**304.6201**	**0.0874**		**306.8058**

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	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	0.0155	9.0500e-003	0.1342	3.8000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.9367	37.9367	1.0500e-003	9.6000e-004	38.2494
Total	**0.0155**	**9.0500e-003**	**0.1342**	**3.8000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.9367**	**37.9367**	**1.0500e-003**	**9.6000e-004**	**38.2494**

Blue Wave Carwash-Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5033	11.4801	13.6564	0.0268		0.4849	0.4849		0.4626	0.4626		2,457.6084	2,457.6084	0.6569		2,474.0313
Total	**1.5033**	**11.4801**	**13.6564**	**0.0268**		**0.4849**	**0.4849**		**0.4626**	**0.4626**		**2,457.6084**	**2,457.6084**	**0.6569**		**2,474.0313**

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
Vendor	0.0236	0.5505	0.1704	2.1500e-003	0.0677	6.3000e-003	0.0740	0.0195	6.0300e-003	0.0255		230.2443	230.2443	5.0600e-003	0.0335	240.3524
Worker	0.0773	0.0452	0.6709	1.8800e-003	0.2054	1.0500e-003	0.2064	0.0545	9.7000e-004	0.0554		189.6834	189.6834	5.2500e-003	4.8100e-003	191.2470
Total	**0.1009**	**0.5957**	**0.8412**	**4.0300e-003**	**0.2731**	**7.3500e-003**	**0.2804**	**0.0740**	**7.0000e-003**	**0.0810**		**419.9278**	**419.9278**	**0.0103**	**0.0383**	**431.5994**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

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	1.5033	11.4801	13.6564	0.0268		0.4849	0.4849		0.4626	0.4626	0.0000	2,457.6084	2,457.6084	0.6569		2,474.0313
Total	**1.5033**	**11.4801**	**13.6564**	**0.0268**		**0.4849**	**0.4849**		**0.4626**	**0.4626**	**0.0000**	**2,457.6084**	**2,457.6084**	**0.6569**		**2,474.0313**

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	0.0000
Vendor	0.0236	0.5505	0.1704	2.1500e-003	0.0677	6.3000e-003	0.0740	0.0195	6.0300e-003	0.0255		230.2443	230.2443	5.0600e-003	0.0335	240.3524
Worker	0.0773	0.0452	0.6709	1.8800e-003	0.2054	1.0500e-003	0.2064	0.0545	9.7000e-004	0.0554		189.6834	189.6834	5.2500e-003	4.8100e-003	191.2470
Total	**0.1009**	**0.5957**	**0.8412**	**4.0300e-003**	**0.2731**	**7.3500e-003**	**0.2804**	**0.0740**	**7.0000e-003**	**0.0810**		**419.9278**	**419.9278**	**0.0103**	**0.0383**	**431.5994**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**5.8120**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

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
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	0.0155	9.0500e-003	0.1342	3.8000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.9367	37.9367	1.0500e-003	9.6000e-004	38.2494
Total	**0.0155**	**9.0500e-003**	**0.1342**	**3.8000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.9367**	**37.9367**	**1.0500e-003**	**9.6000e-004**	**38.2494**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022

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	5.6074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**5.8120**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	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	0.0155	9.0500e-003	0.1342	3.8000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.9367	37.9367	1.0500e-003	9.6000e-004	38.2494
Total	**0.0155**	**9.0500e-003**	**0.1342**	**3.8000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.9367**	**37.9367**	**1.0500e-003**	**9.6000e-004**	**38.2494**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
City Park	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Other Non-Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Parking Lot	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	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
City Park	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
Other Non-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
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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					
Automobile Care Center	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
City Park	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
Other Non-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
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Blue Wave Carwash-Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1092	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Unmitigated	0.1092	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113

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	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6000e-004	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Total	**0.1092**	**4.0000e-005**	**4.9300e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0106**	**0.0106**	**3.0000e-005**		**0.0113**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6000e-004	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Total	**0.1092**	**4.0000e-005**	**4.9300e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0106**	**0.0106**	**3.0000e-005**		**0.0113**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave Carwash-Construction Run

Contra Costa County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	33.98	1000sqft	0.78	33,976.00	0
Parking Lot	10.40	1000sqft	0.24	10,400.00	0
City Park	0.27	Acre	0.27	11,761.20	0
Automobile Care Center	3.60	1000sqft	0.08	3,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 1

Construction Phase - Note 2

Off-road Equipment -

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Off-road Equipment - Note 2

Blue Wave Carwash-Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Trips and VMT - Note 2

Demolition -

Grading - Note 2

Vehicle Trips - Note 3

Energy Use - Note 3

Water And Wastewater - Note 3

Solid Waste - Note 3

Construction Off-road Equipment Mitigation - Note 5

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	2.00	110.00
tblConstructionPhase	NumDays	4.00	15.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	200.00	155.00
tblEnergyUse	LightingElect	3.08	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.70	0.00
tblEnergyUse	NT24NG	6.67	0.00
tblEnergyUse	T24E	1.32	0.00
tblEnergyUse	T24NG	19.51	0.00
tblGrading	MaterialExported	0.00	3,190.00
tblLandUse	LandUseSquareFeet	33,980.00	33,976.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblSolidWaste	SolidWasteGenerationRate	13.75	0.00
tblSolidWaste	SolidWasteGenerationRate	0.02	0.00
tblVehicleTrips	ST_TR	23.72	0.00
tblVehicleTrips	ST_TR	1.96	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblVehicleTrips	SU_TR	11.88	0.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	23.72	0.00
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	IndoorWaterUseRate	338,691.99	0.00
tblWater	OutdoorWaterUseRate	207,585.41	0.00
tblWater	OutdoorWaterUseRate	321,699.96	0.00

2.0 Emissions Summary

Blue Wave Carwash-Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2022	7.4290	26.3393	19.5591	0.0492	7.7361	1.0140	8.7500	3.5994	0.9352	4.5346	0.0000	4,959.8216	4,959.8216	1.0383	0.2955	5,073.4439
Maximum	**7.4290**	**26.3393**	**19.5591**	**0.0492**	**7.7361**	**1.0140**	**8.7500**	**3.5994**	**0.9352**	**4.5346**	**0.0000**	**4,959.8216**	**4,959.8216**	**1.0383**	**0.2955**	**5,073.4439**

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					
2022	7.4290	26.3393	19.5591	0.0492	3.8274	1.0140	4.8414	1.7138	0.9352	2.6490	0.0000	4,959.8216	4,959.8216	1.0383	0.2955	5,073.4439
Maximum	**7.4290**	**26.3393**	**19.5591**	**0.0492**	**3.8274**	**1.0140**	**4.8414**	**1.7138**	**0.9352**	**2.6490**	**0.0000**	**4,959.8216**	**4,959.8216**	**1.0383**	**0.2955**	**5,073.4439**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**50.53**	**0.00**	**44.67**	**52.39**	**0.00**	**41.58**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Blue Wave Carwash-Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1092	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	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	**0.1092**	**4.0000e-005**	**4.9300e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**		**0.0106**	**0.0106**	**3.0000e-005**	**0.0000**	**0.0113**

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	0.1092	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	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	**0.1092**	**4.0000e-005**	**4.9300e-003**	**0.0000**	**0.0000**	**2.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**2.0000e-005**		**0.0106**	**0.0106**	**3.0000e-005**	**0.0000**	**0.0113**

Blue Wave Carwash-Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Site Preparation	Site Preparation	2/1/2022	7/4/2022	5	110	
2	Grading	Grading	2/1/2022	2/21/2022	5	15	
3	Paving	Paving	4/4/2022	4/22/2022	5	15	
4	Building Construction	Building Construction	5/27/2022	12/29/2022	5	155	
5	Architectural Coating	Architectural Coating	8/8/2022	8/19/2022	5	10	

Acres of Grading (Site Preparation Phase): 55

Acres of Grading (Grading Phase): 7.5

Acres of Paving: 1.02

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,402; Non-Residential Outdoor: 1,801; Striped Parking Area: 2,663 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Excavators	1	8.00	158	0.38
Site Preparation	Graders	1	8.00	187	0.41
Grading	Plate Compactors	1	8.00	8	0.43
Grading	Rollers	1	8.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Skid Steer Loaders	1	8.00	65	0.37

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Rollers	1	8.00	80	0.38
Building Construction	Bore/Drill Rigs	1	8.00	221	0.50
Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Rough Terrain Forklifts	1	8.00	100	0.40
Building Construction	Skid Steer Loaders	1	8.00	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	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
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	399.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	25.00	10.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.6174	7.0346	4.9769	0.0118		0.2531	0.2531		0.2329	0.2329		1,141.2942	1,141.2942	0.3691		1,150.5222
Total	**0.6174**	**7.0346**	**4.9769**	**0.0118**	**0.5303**	**0.2531**	**0.7834**	**0.0573**	**0.2329**	**0.2901**		**1,141.2942**	**1,141.2942**	**0.3691**		**1,150.5222**

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
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	0.0151	0.0112	0.1249	3.4000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		34.7252	34.7252	1.2000e-003	1.1100e-003	35.0853
Total	**0.0151**	**0.0112**	**0.1249**	**3.4000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**34.7252**	**34.7252**	**1.2000e-003**	**1.1100e-003**	**35.0853**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

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					0.2386	0.0000	0.2386	0.0258	0.0000	0.0258			0.0000			0.0000
Off-Road	0.6174	7.0346	4.9769	0.0118		0.2531	0.2531		0.2329	0.2329	0.0000	1,141.2942	1,141.2942	0.3691		1,150.5222
Total	**0.6174**	**7.0346**	**4.9769**	**0.0118**	**0.2386**	**0.2531**	**0.4917**	**0.0258**	**0.2329**	**0.2586**	**0.0000**	**1,141.2942**	**1,141.2942**	**0.3691**		**1,150.5222**

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	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	0.0151	0.0112	0.1249	3.4000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		34.7252	34.7252	1.2000e-003	1.1100e-003	35.0853
Total	**0.0151**	**0.0112**	**0.1249**	**3.4000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**34.7252**	**34.7252**	**1.2000e-003**	**1.1100e-003**	**35.0853**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5764	0.0000	6.5764	3.3711	0.0000	3.3711			0.0000			0.0000
Off-Road	1.4013	14.6318	10.9564	0.0192		0.7188	0.7188		0.6621	0.6621		1,843.1780	1,843.1780	0.5886		1,857.8917
Total	**1.4013**	**14.6318**	**10.9564**	**0.0192**	**6.5764**	**0.7188**	**7.2952**	**3.3711**	**0.6621**	**4.0332**		**1,843.1780**	**1,843.1780**	**0.5886**		**1,857.8917**

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	0.1220	4.6283	0.9766	0.0169	0.4651	0.0412	0.5063	0.1275	0.0394	0.1669		1,836.4486	1,836.4486	0.0604	0.2910	1,924.6887
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	0.0452	0.0335	0.3747	1.0300e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		104.1756	104.1756	3.6000e-003	3.3200e-003	105.2560
Total	**0.1672**	**4.6618**	**1.3514**	**0.0179**	**0.5884**	**0.0418**	**0.6302**	**0.1602**	**0.0400**	**0.2002**		**1,940.6242**	**1,940.6242**	**0.0640**	**0.2944**	**2,029.9447**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

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					2.9594	0.0000	2.9594	1.5170	0.0000	1.5170			0.0000			0.0000
Off-Road	1.4013	14.6318	10.9564	0.0192		0.7188	0.7188		0.6621	0.6621	0.0000	1,843.1780	1,843.1780	0.5886		1,857.8917
Total	**1.4013**	**14.6318**	**10.9564**	**0.0192**	**2.9594**	**0.7188**	**3.6782**	**1.5170**	**0.6621**	**2.1791**	**0.0000**	**1,843.1780**	**1,843.1780**	**0.5886**		**1,857.8917**

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	0.1220	4.6283	0.9766	0.0169	0.4651	0.0412	0.5063	0.1275	0.0394	0.1669		1,836.4486	1,836.4486	0.0604	0.2910	1,924.6887
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	0.0452	0.0335	0.3747	1.0300e-003	0.1232	6.3000e-004	0.1239	0.0327	5.8000e-004	0.0333		104.1756	104.1756	3.6000e-003	3.3200e-003	105.2560
Total	**0.1672**	**4.6618**	**1.3514**	**0.0179**	**0.5884**	**0.0418**	**0.6302**	**0.1602**	**0.0400**	**0.2002**		**1,940.6242**	**1,940.6242**	**0.0640**	**0.2944**	**2,029.9447**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2250	2.0941	2.1688	3.3300e-003		0.1138	0.1138		0.1058	0.1058		304.6201	304.6201	0.0874		306.8058
Paving	0.0419					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2670**	**2.0941**	**2.1688**	**3.3300e-003**		**0.1138**	**0.1138**		**0.1058**	**0.1058**		**304.6201**	**304.6201**	**0.0874**		**306.8058**

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
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	0.0151	0.0112	0.1249	3.4000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		34.7252	34.7252	1.2000e-003	1.1100e-003	35.0853
Total	**0.0151**	**0.0112**	**0.1249**	**3.4000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**34.7252**	**34.7252**	**1.2000e-003**	**1.1100e-003**	**35.0853**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Paving - 2022

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	0.2250	2.0941	2.1688	3.3300e-003		0.1138	0.1138		0.1058	0.1058	0.0000	304.6201	304.6201	0.0874		306.8058
Paving	0.0419					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.2670**	**2.0941**	**2.1688**	**3.3300e-003**		**0.1138**	**0.1138**		**0.1058**	**0.1058**	**0.0000**	**304.6201**	**304.6201**	**0.0874**		**306.8058**

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	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	0.0151	0.0112	0.1249	3.4000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		34.7252	34.7252	1.2000e-003	1.1100e-003	35.0853
Total	**0.0151**	**0.0112**	**0.1249**	**3.4000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**34.7252**	**34.7252**	**1.2000e-003**	**1.1100e-003**	**35.0853**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5033	11.4801	13.6564	0.0268		0.4849	0.4849		0.4626	0.4626		2,457.6084	2,457.6084	0.6569		2,474.0313
Total	**1.5033**	**11.4801**	**13.6564**	**0.0268**		**0.4849**	**0.4849**		**0.4626**	**0.4626**		**2,457.6084**	**2,457.6084**	**0.6569**		**2,474.0313**

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
Vendor	0.0234	0.5801	0.1763	2.1500e-003	0.0677	6.3200e-003	0.0740	0.0195	6.0500e-003	0.0255		230.3276	230.3276	5.0400e-003	0.0336	240.4533
Worker	0.0753	0.0558	0.6245	1.7200e-003	0.2054	1.0500e-003	0.2064	0.0545	9.7000e-004	0.0554		173.6260	173.6260	6.0000e-003	5.5400e-003	175.4267
Total	**0.0987**	**0.6359**	**0.8009**	**3.8700e-003**	**0.2731**	**7.3700e-003**	**0.2805**	**0.0740**	**7.0200e-003**	**0.0810**		**403.9536**	**403.9536**	**0.0110**	**0.0391**	**415.8800**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Building Construction - 2022

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	1.5033	11.4801	13.6564	0.0268		0.4849	0.4849		0.4626	0.4626	0.0000	2,457.6084	2,457.6084	0.6569		2,474.0313
Total	**1.5033**	**11.4801**	**13.6564**	**0.0268**		**0.4849**	**0.4849**		**0.4626**	**0.4626**	**0.0000**	**2,457.6084**	**2,457.6084**	**0.6569**		**2,474.0313**

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	0.0000
Vendor	0.0234	0.5801	0.1763	2.1500e-003	0.0677	6.3200e-003	0.0740	0.0195	6.0500e-003	0.0255		230.3276	230.3276	5.0400e-003	0.0336	240.4533
Worker	0.0753	0.0558	0.6245	1.7200e-003	0.2054	1.0500e-003	0.2064	0.0545	9.7000e-004	0.0554		173.6260	173.6260	6.0000e-003	5.5400e-003	175.4267
Total	**0.0987**	**0.6359**	**0.8009**	**3.8700e-003**	**0.2731**	**7.3700e-003**	**0.2805**	**0.0740**	**7.0200e-003**	**0.0810**		**403.9536**	**403.9536**	**0.0110**	**0.0391**	**415.8800**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.6074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	**5.8120**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**		**281.4481**	**281.4481**	**0.0183**		**281.9062**

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
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	0.0151	0.0112	0.1249	3.4000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		34.7252	34.7252	1.2000e-003	1.1100e-003	35.0853
Total	**0.0151**	**0.0112**	**0.1249**	**3.4000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**34.7252**	**34.7252**	**1.2000e-003**	**1.1100e-003**	**35.0853**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022

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	5.6074					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	**5.8120**	**1.4085**	**1.8136**	**2.9700e-003**		**0.0817**	**0.0817**		**0.0817**	**0.0817**	**0.0000**	**281.4481**	**281.4481**	**0.0183**		**281.9062**

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	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	0.0151	0.0112	0.1249	3.4000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		34.7252	34.7252	1.2000e-003	1.1100e-003	35.0853
Total	**0.0151**	**0.0112**	**0.1249**	**3.4000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**34.7252**	**34.7252**	**1.2000e-003**	**1.1100e-003**	**35.0853**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	21	51	28
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
City Park	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Other Non-Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Parking Lot	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	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
City Park	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
Other Non-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
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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					
Automobile Care Center	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
City Park	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
Other Non-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
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		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

Blue Wave Carwash-Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1092	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Unmitigated	0.1092	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113

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	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6000e-004	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Total	**0.1092**	**4.0000e-005**	**4.9300e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0106**	**0.0106**	**3.0000e-005**		**0.0113**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.6000e-004	4.0000e-005	4.9300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0106	0.0106	3.0000e-005		0.0113
Total	**0.1092**	**4.0000e-005**	**4.9300e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0106**	**0.0106**	**3.0000e-005**		**0.0113**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave Carwash-Off-Site Construction Run

Contra Costa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	0.27	1000sqft	0.01	270.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 7

Construction Phase -

Off-road Equipment -

Off-road Equipment - Note 2

Off-road Equipment -

Trips and VMT - Note 2

Demolition -

Grading - Note 2

Vehicle Trips - Note 3

Energy Use - Note 3

Water And Wastewater - Note 3

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Solid Waste - Note 3

Construction Off-road Equipment Mitigation - Note 5

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

2.0 Emissions Summary

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	1.9700e-003	0.0204	0.0168	3.0000e-005	5.4700e-003	9.5000e-004	6.4300e-003	2.6100e-003	8.8000e-004	3.4900e-003	0.0000	2.7764	2.7764	8.6000e-004	0.0000	2.7991
Maximum	**1.9700e-003**	**0.0204**	**0.0168**	**3.0000e-005**	**5.4700e-003**	**9.5000e-004**	**6.4300e-003**	**2.6100e-003**	**8.8000e-004**	**3.4900e-003**	**0.0000**	**2.7764**	**2.7764**	**8.6000e-004**	**0.0000**	**2.7991**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	1.9700e-003	0.0204	0.0168	3.0000e-005	2.5500e-003	9.5000e-004	3.5100e-003	1.2000e-003	8.8000e-004	2.0800e-003	0.0000	2.7764	2.7764	8.6000e-004	0.0000	2.7991
Maximum	**1.9700e-003**	**0.0204**	**0.0168**	**3.0000e-005**	**2.5500e-003**	**9.5000e-004**	**3.5100e-003**	**1.2000e-003**	**8.8000e-004**	**2.0800e-003**	**0.0000**	**2.7764**	**2.7764**	**8.6000e-004**	**0.0000**	**2.7991**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**53.38**	**0.00**	**45.41**	**54.02**	**0.00**	**40.40**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	**2-1-2022**	**4-30-2022**	0.0186	0.0186
		Highest	0.0186	0.0186

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.0000e-005	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.0000e-005	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**2.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Grading	Grading	2/2/2022	2/3/2022	5	2	
2	Paving	Paving	2/4/2022	2/10/2022	5	5	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.01

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38

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
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3100e-003	0.0000	5.3100e-003	2.5700e-003	0.0000	2.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0120	5.9400e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482
Total	**1.0800e-003**	**0.0120**	**5.9400e-003**	**1.0000e-005**	**5.3100e-003**	**5.2000e-004**	**5.8300e-003**	**2.5700e-003**	**4.8000e-004**	**3.0500e-003**	**0.0000**	**1.2381**	**1.2381**	**4.0000e-004**	**0.0000**	**1.2482**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.9000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0510	0.0510	0.0000	0.0000	0.0514
Total	**2.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0510**	**0.0510**	**0.0000**	**0.0000**	**0.0514**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-003	0.0000	2.3900e-003	1.1600e-003	0.0000	1.1600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0800e-003	0.0120	5.9400e-003	1.0000e-005		5.2000e-004	5.2000e-004		4.8000e-004	4.8000e-004	0.0000	1.2381	1.2381	4.0000e-004	0.0000	1.2482
Total	**1.0800e-003**	**0.0120**	**5.9400e-003**	**1.0000e-005**	**2.3900e-003**	**5.2000e-004**	**2.9100e-003**	**1.1600e-003**	**4.8000e-004**	**1.6400e-003**	**0.0000**	**1.2381**	**1.2381**	**4.0000e-004**	**0.0000**	**1.2482**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	2.0000e-005	1.9000e-004	0.0000	6.0000e-005	0.0000	6.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0510	0.0510	0.0000	0.0000	0.0514
Total	**2.0000e-005**	**2.0000e-005**	**1.9000e-004**	**0.0000**	**6.0000e-005**	**0.0000**	**6.0000e-005**	**2.0000e-005**	**0.0000**	**2.0000e-005**	**0.0000**	**0.0510**	**0.0510**	**0.0000**	**0.0000**	**0.0514**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-004	8.3700e-003	0.0104	2.0000e-005		4.4000e-004	4.4000e-004		4.0000e-004	4.0000e-004	0.0000	1.4077	1.4077	4.6000e-004	0.0000	1.4191
Paving	1.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.3000e-004**	**8.3700e-003**	**0.0104**	**2.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.0000e-004**	**4.0000e-004**	**0.0000**	**1.4077**	**1.4077**	**4.6000e-004**	**0.0000**	**1.4191**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0796	0.0796	0.0000	0.0000	0.0804
Total	**4.0000e-005**	**3.0000e-005**	**3.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0796**	**0.0796**	**0.0000**	**0.0000**	**0.0804**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.2000e-004	8.3700e-003	0.0104	2.0000e-005		4.4000e-004	4.4000e-004		4.0000e-004	4.0000e-004	0.0000	1.4077	1.4077	4.6000e-004	0.0000	1.4191
Paving	1.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	**8.3000e-004**	**8.3700e-003**	**0.0104**	**2.0000e-005**		**4.4000e-004**	**4.4000e-004**		**4.0000e-004**	**4.0000e-004**	**0.0000**	**1.4077**	**1.4077**	**4.6000e-004**	**0.0000**	**1.4191**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0796	0.0796	0.0000	0.0000	0.0804
Total	**4.0000e-005**	**3.0000e-005**	**3.0000e-004**	**0.0000**	**1.0000e-004**	**0.0000**	**1.0000e-004**	**3.0000e-005**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0796**	**0.0796**	**0.0000**	**0.0000**	**0.0804**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
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	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.0000e-005	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005
Unmitigated	2.0000e-005	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005
Total	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	2.0000e-005					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005
Total	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**1.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**

9.0 Operational Offroad

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

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave Carwash-Off-Site Construction Run

Contra Costa County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	0.27	1000sqft	0.01	270.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 7

Construction Phase -

Off-road Equipment -

Off-road Equipment - Note 2

Off-road Equipment -

Trips and VMT - Note 2

Demolition -

Grading - Note 2

Vehicle Trips - Note 3

Energy Use - Note 3

Water And Wastewater - Note 3

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Solid Waste - Note 3

Construction Off-road Equipment Mitigation - Note 5

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

2.0 Emissions Summary

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2022	1.1079	12.0191	6.1507	0.0147	5.3777	0.5176	5.8953	2.5860	0.4762	3.0622	0.0000	1,425.5185	1,425.5185	0.4431	1.5400e-003	1,437.0541
Maximum	**1.1079**	**12.0191**	**6.1507**	**0.0147**	**5.3777**	**0.5176**	**5.8953**	**2.5860**	**0.4762**	**3.0622**	**0.0000**	**1,425.5185**	**1,425.5185**	**0.4431**	**1.5400e-003**	**1,437.0541**

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					
2022	1.1079	12.0191	6.1507	0.0147	2.4561	0.5176	2.9737	1.1733	0.4762	1.6495	0.0000	1,425.5185	1,425.5185	0.4431	1.5400e-003	1,437.0541
Maximum	**1.1079**	**12.0191**	**6.1507**	**0.0147**	**2.4561**	**0.5176**	**2.9737**	**1.1733**	**0.4762**	**1.6495**	**0.0000**	**1,425.5185**	**1,425.5185**	**0.4431**	**1.5400e-003**	**1,437.0541**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**CO2e**
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.33**	**0.00**	**49.56**	**54.63**	**0.00**	**46.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.3000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0000**	**6.0000e-005**

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	1.3000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0000**	**6.0000e-005**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Grading	Grading	2/2/2022	2/3/2022	5	2	
2	Paving	Paving	2/4/2022	2/10/2022	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.01

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38

Trips and VMT

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	**1.0832**	**12.0046**	**5.9360**	**0.0141**	**5.3119**	**0.5173**	**5.8292**	**2.5686**	**0.4759**	**3.0445**		**1,364.8198**	**1,364.8198**	**0.4414**		**1,375.8551**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grading - 2022

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
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	0.0247	0.0145	0.2147	6.0000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.1000e-004	0.0177		60.6987	60.6987	1.6800e-003	1.5400e-003	61.1990
Total	**0.0247**	**0.0145**	**0.2147**	**6.0000e-004**	**0.0657**	**3.4000e-004**	**0.0661**	**0.0174**	**3.1000e-004**	**0.0177**		**60.6987**	**60.6987**	**1.6800e-003**	**1.5400e-003**	**61.1990**

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					2.3904	0.0000	2.3904	1.1559	0.0000	1.1559			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	**1.0832**	**12.0046**	**5.9360**	**0.0141**	**2.3904**	**0.5173**	**2.9077**	**1.1559**	**0.4759**	**1.6318**	**0.0000**	**1,364.8198**	**1,364.8198**	**0.4414**		**1,375.8551**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grading - 2022

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	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	0.0247	0.0145	0.2147	6.0000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.1000e-004	0.0177		60.6987	60.6987	1.6800e-003	1.5400e-003	61.1990
Total	**0.0247**	**0.0145**	**0.2147**	**6.0000e-004**	**0.0657**	**3.4000e-004**	**0.0661**	**0.0174**	**3.1000e-004**	**0.0177**		**60.6987**	**60.6987**	**1.6800e-003**	**1.5400e-003**	**61.1990**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3265	3.3467	4.1512	6.4100e-003		0.1743	0.1743		0.1603	0.1603		620.6915	620.6915	0.2007		625.7101
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3318**	**3.3467**	**4.1512**	**6.4100e-003**		**0.1743**	**0.1743**		**0.1603**	**0.1603**		**620.6915**	**620.6915**	**0.2007**		**625.7101**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2022

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
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	0.0155	9.0500e-003	0.1342	3.8000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.9367	37.9367	1.0500e-003	9.6000e-004	38.2494
Total	**0.0155**	**9.0500e-003**	**0.1342**	**3.8000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.9367**	**37.9367**	**1.0500e-003**	**9.6000e-004**	**38.2494**

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	0.3265	3.3467	4.1512	6.4100e-003		0.1743	0.1743		0.1603	0.1603	0.0000	620.6915	620.6915	0.2007		625.7101
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3318**	**3.3467**	**4.1512**	**6.4100e-003**		**0.1743**	**0.1743**		**0.1603**	**0.1603**	**0.0000**	**620.6915**	**620.6915**	**0.2007**		**625.7101**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2022

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	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	0.0155	9.0500e-003	0.1342	3.8000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		37.9367	37.9367	1.0500e-003	9.6000e-004	38.2494
Total	**0.0155**	**9.0500e-003**	**0.1342**	**3.8000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**37.9367**	**37.9367**	**1.0500e-003**	**9.6000e-004**	**38.2494**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

5.2 Energy by Land Use - NaturalGas

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					
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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.3000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Unmitigated	1.3000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Total	**1.3000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**6.0000e-005**	**6.0000e-005**	**0.0000**		**6.0000e-005**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Total	**1.3000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**6.0000e-005**	**6.0000e-005**	**0.0000**		**6.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave Carwash-Off-Site Construction Run

Contra Costa County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	0.27	1000sqft	0.01	270.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 7

Construction Phase -

Off-road Equipment -

Off-road Equipment - Note 2

Off-road Equipment -

Trips and VMT - Note 2

Demolition -

Grading - Note 2

Vehicle Trips - Note 3

Energy Use - Note 3

Water And Wastewater - Note 3

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Solid Waste - Note 3

Construction Off-road Equipment Mitigation - Note 5

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15

2.0 Emissions Summary

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2022	1.1073	12.0225	6.1359	0.0146	5.3777	0.5176	5.8953	2.5860	0.4762	3.0622	0.0000	1,420.3801	1,420.3801	0.4433	1.7700e-003	1,431.9916
Maximum	**1.1073**	**12.0225**	**6.1359**	**0.0146**	**5.3777**	**0.5176**	**5.8953**	**2.5860**	**0.4762**	**3.0622**	**0.0000**	**1,420.3801**	**1,420.3801**	**0.4433**	**1.7700e-003**	**1,431.9916**

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					
2022	1.1073	12.0225	6.1359	0.0146	2.4561	0.5176	2.9737	1.1733	0.4762	1.6495	0.0000	1,420.3801	1,420.3801	0.4433	1.7700e-003	1,431.9916
Maximum	**1.1073**	**12.0225**	**6.1359**	**0.0146**	**2.4561**	**0.5176**	**2.9737**	**1.1733**	**0.4762**	**1.6495**	**0.0000**	**1,420.3801**	**1,420.3801**	**0.4433**	**1.7700e-003**	**1,431.9916**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	**0.00**	**0.00**	**0.00**	**0.00**	**54.33**	**0.00**	**49.56**	**54.63**	**0.00**	**46.13**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	1.3000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0000**	**6.0000e-005**

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	1.3000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	**1.3000e-004**	**0.0000**	**3.0000e-005**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**		**6.0000e-005**	**6.0000e-005**	**0.0000**	**0.0000**	**6.0000e-005**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	Grading	Grading	2/2/2022	2/3/2022	5	2	
2	Paving	Paving	2/4/2022	2/10/2022	5	5	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.01

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38

Trips and VMT

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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
Grading	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759		1,364.8198	1,364.8198	0.4414		1,375.8551
Total	**1.0832**	**12.0046**	**5.9360**	**0.0141**	**5.3119**	**0.5173**	**5.8292**	**2.5686**	**0.4759**	**3.0445**		**1,364.8198**	**1,364.8198**	**0.4414**		**1,375.8551**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grading - 2022

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
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	0.0241	0.0179	0.1999	5.5000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.1000e-004	0.0177		55.5603	55.5603	1.9200e-003	1.7700e-003	56.1365
Total	**0.0241**	**0.0179**	**0.1999**	**5.5000e-004**	**0.0657**	**3.4000e-004**	**0.0661**	**0.0174**	**3.1000e-004**	**0.0177**		**55.5603**	**55.5603**	**1.9200e-003**	**1.7700e-003**	**56.1365**

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					2.3904	0.0000	2.3904	1.1559	0.0000	1.1559			0.0000			0.0000
Off-Road	1.0832	12.0046	5.9360	0.0141		0.5173	0.5173		0.4759	0.4759	0.0000	1,364.8198	1,364.8198	0.4414		1,375.8551
Total	**1.0832**	**12.0046**	**5.9360**	**0.0141**	**2.3904**	**0.5173**	**2.9077**	**1.1559**	**0.4759**	**1.6318**	**0.0000**	**1,364.8198**	**1,364.8198**	**0.4414**		**1,375.8551**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Grading - 2022

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	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	0.0241	0.0179	0.1999	5.5000e-004	0.0657	3.4000e-004	0.0661	0.0174	3.1000e-004	0.0177		55.5603	55.5603	1.9200e-003	1.7700e-003	56.1365
Total	**0.0241**	**0.0179**	**0.1999**	**5.5000e-004**	**0.0657**	**3.4000e-004**	**0.0661**	**0.0174**	**3.1000e-004**	**0.0177**		**55.5603**	**55.5603**	**1.9200e-003**	**1.7700e-003**	**56.1365**

3.3 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3265	3.3467	4.1512	6.4100e-003		0.1743	0.1743		0.1603	0.1603		620.6915	620.6915	0.2007		625.7101
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3318**	**3.3467**	**4.1512**	**6.4100e-003**		**0.1743**	**0.1743**		**0.1603**	**0.1603**		**620.6915**	**620.6915**	**0.2007**		**625.7101**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2022

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
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	0.0151	0.0112	0.1249	3.4000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		34.7252	34.7252	1.2000e-003	1.1100e-003	35.0853
Total	**0.0151**	**0.0112**	**0.1249**	**3.4000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**34.7252**	**34.7252**	**1.2000e-003**	**1.1100e-003**	**35.0853**

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	0.3265	3.3467	4.1512	6.4100e-003		0.1743	0.1743		0.1603	0.1603	0.0000	620.6915	620.6915	0.2007		625.7101
Paving	5.2400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.3318**	**3.3467**	**4.1512**	**6.4100e-003**		**0.1743**	**0.1743**		**0.1603**	**0.1603**	**0.0000**	**620.6915**	**620.6915**	**0.2007**		**625.7101**

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Paving - 2022

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	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	0.0151	0.0112	0.1249	3.4000e-004	0.0411	2.1000e-004	0.0413	0.0109	1.9000e-004	0.0111		34.7252	34.7252	1.2000e-003	1.1100e-003	35.0853
Total	**0.0151**	**0.0112**	**0.1249**	**3.4000e-004**	**0.0411**	**2.1000e-004**	**0.0413**	**0.0109**	**1.9000e-004**	**0.0111**		**34.7252**	**34.7252**	**1.2000e-003**	**1.1100e-003**	**35.0853**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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					
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
Total		**0.0000**	**0.0000**	**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	1.3000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Unmitigated	1.3000e-004	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005

Blue Wave Carwash-Off-Site Construction Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Total	**1.3000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**6.0000e-005**	**6.0000e-005**	**0.0000**		**6.0000e-005**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	3.0000e-005					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0000e-004					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		6.0000e-005	6.0000e-005	0.0000		6.0000e-005
Total	**1.3000e-004**	**0.0000**	**3.0000e-005**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**		**6.0000e-005**	**6.0000e-005**	**0.0000**		**6.0000e-005**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave CarWash - Operations Run

Contra Costa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	33.98	1000sqft	0.78	33,976.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.27	Acre	0.27	11,761.20	0
Automobile Care Center	3.60	1000sqft	0.08	3,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 1

Construction Phase - Note 3

Off-road Equipment - Note 3

Trips and VMT - Note 3

Vehicle Trips - Note 4

Area Coating -

Water And Wastewater - Note 6

Blue Wave CarWash - Operations Run - Contra Costa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	LandUseSquareFeet	33,980.00	33,976.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	PB_TP	28.00	25.00
tblVehicleTrips	PR_TP	21.00	75.00
tblVehicleTrips	ST_TR	23.72	304.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	11.88	304.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	23.72	116.60
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	OutdoorWaterUseRate	207,585.41	6,689,280.00

2.0 Emissions Summary

Blue Wave CarWash - Operations Run - Contra Costa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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**

Quarter	**Start Date**	**End Date**	**Maximum Unmitigated ROG + NOX (tons/quarter)**	**Maximum Mitigated ROG + NOX (tons/quarter)**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0199	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
Energy	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	8.0642	8.0642	5.9000e-004	1.5000e-004	8.1241
Mobile	0.2685	0.2962	2.4104	4.8100e-003	0.4985	3.6600e-003	0.5022	0.1332	3.4100e-003	0.1366	0.0000	443.2415	443.2415	0.0306	0.0219	450.5406
Waste						0.0000	0.0000		0.0000	0.0000	2.7952	0.0000	2.7952	0.1652	0.0000	6.9250
Water						0.0000	0.0000		0.0000	0.0000	0.1075	2.4400	2.5474	0.0114	3.1000e-004	2.9251
Total	**0.2889**	**0.3009**	**2.4148**	**4.8400e-003**	**0.4985**	**4.0100e-003**	**0.5025**	**0.1332**	**3.7600e-003**	**0.1369**	**2.9026**	**453.7468**	**456.6494**	**0.2078**	**0.0224**	**468.5159**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0199	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
Energy	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	8.0642	8.0642	5.9000e-004	1.5000e-004	8.1241
Mobile	0.2685	0.2962	2.4104	4.8100e-003	0.4985	3.6600e-003	0.5022	0.1332	3.4100e-003	0.1366	0.0000	443.2415	443.2415	0.0306	0.0219	450.5406
Waste						0.0000	0.0000		0.0000	0.0000	2.7952	0.0000	2.7952	0.1652	0.0000	6.9250
Water						0.0000	0.0000		0.0000	0.0000	0.1075	2.4400	2.5474	0.0114	3.1000e-004	2.9251
Total	**0.2889**	**0.3009**	**2.4148**	**4.8400e-003**	**0.4985**	**4.0100e-003**	**0.5025**	**0.1332**	**3.7600e-003**	**0.1369**	**2.9026**	**453.7468**	**456.6494**	**0.2078**	**0.0224**	**468.5159**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	2/1/2022	1/31/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.01

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

Blue Wave CarWash - Operations Run - Contra Costa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2685	0.2962	2.4104	4.8100e-003	0.4985	3.6600e-003	0.5022	0.1332	3.4100e-003	0.1366	0.0000	443.2415	443.2415	0.0306	0.0219	450.5406
Unmitigated	0.2685	0.2962	2.4104	4.8100e-003	0.4985	3.6600e-003	0.5022	0.1332	3.4100e-003	0.1366	0.0000	443.2415	443.2415	0.0306	0.0219	450.5406

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	419.76	1,094.40	1094.40	1,347,653	1,347,653
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	419.76	1,094.40	1,094.40	1,347,653	1,347,653

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	75	0	25
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
City Park	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Other Non-Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Parking Lot	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.0348	3.0348	4.9000e-004	6.0000e-005	3.0648
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.0348	3.0348	4.9000e-004	6.0000e-005	3.0648
NaturalGas Mitigated	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0294	5.0294	1.0000e-004	9.0000e-005	5.0593
NaturalGas Unmitigated	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0294	5.0294	1.0000e-004	9.0000e-005	5.0593

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	94248	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0294	5.0294	1.0000e-004	9.0000e-005	5.0593
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-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	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.1000e-004**	**4.6200e-003**	**3.8800e-003**	**3.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**5.0294**	**5.0294**	**1.0000e-004**	**9.0000e-005**	**5.0593**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	94248	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0294	5.0294	1.0000e-004	9.0000e-005	5.0593
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-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	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.1000e-004**	**4.6200e-003**	**3.8800e-003**	**3.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**5.0294**	**5.0294**	**1.0000e-004**	**9.0000e-005**	**5.0593**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	29160	2.6980	4.4000e-004	5.0000e-005	2.7247
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3640	0.3368	5.0000e-005	1.0000e-005	0.3401
Total		**3.0348**	**4.9000e-004**	**6.0000e-005**	**3.0648**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	29160	2.6980	4.4000e-004	5.0000e-005	2.7247
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3640	0.3368	5.0000e-005	1.0000e-005	0.3401
Total		**3.0348**	**4.9000e-004**	**6.0000e-005**	**3.0648**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0199	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
Unmitigated	0.0199	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
Total	**0.0199**	**1.0000e-005**	**5.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.1400e-003**	**1.1400e-003**	**0.0000**	**0.0000**	**1.2200e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2200e-003
Total	**0.0199**	**1.0000e-005**	**5.9000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.1400e-003**	**1.1400e-003**	**0.0000**	**0.0000**	**1.2200e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.5474	0.0114	3.1000e-004	2.9251
Unmitigated	2.5474	0.0114	3.1000e-004	2.9251

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.338692 / 6.68928	2.4432	0.0114	3.1000e-004	2.8199
City Park	0 / 0.3217	0.1042	2.0000e-005	0.0000	0.1052
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**2.5474**	**0.0114**	**3.1000e-004**	**2.9251**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.338692 / 6.68928	2.4432	0.0114	3.1000e-004	2.8199
City Park	0 / 0.3217	0.1042	2.0000e-005	0.0000	0.1052
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**2.5474**	**0.0114**	**3.1000e-004**	**2.9251**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.7952	0.1652	0.0000	6.9250
Unmitigated	2.7952	0.1652	0.0000	6.9250

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	13.75	2.7911	0.1650	0.0000	6.9149
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**2.7952**	**0.1652**	**0.0000**	**6.9250**

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	13.75	2.7911	0.1650	0.0000	6.9149
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**2.7952**	**0.1652**	**0.0000**	**6.9250**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave CarWash - Operations Run

Contra Costa County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	33.98	1000sqft	0.78	33,976.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.27	Acre	0.27	11,761.20	0
Automobile Care Center	3.60	1000sqft	0.08	3,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 1

Construction Phase - Note 3

Off-road Equipment - Note 3

Trips and VMT - Note 3

Vehicle Trips - Note 4

Area Coating -

Water And Wastewater - Note 6

Blue Wave CarWash - Operations Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	LandUseSquareFeet	33,980.00	33,976.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	PB_TP	28.00	25.00
tblVehicleTrips	PR_TP	21.00	75.00
tblVehicleTrips	ST_TR	23.72	304.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	11.88	304.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	23.72	116.60
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	OutdoorWaterUseRate	207,585.41	6,689,280.00

2.0 Emissions Summary

Blue Wave CarWash - Operations Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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**

Blue Wave CarWash - Operations Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1094	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
Mobile	3.0459	2.6750	23.9221	0.0503	5.0679	0.0360	5.1039	1.3498	0.0336	1.3834		5,107.4262	5,107.4262	0.3060	0.2246	5,181.9968
Total	**3.1581**	**2.7004**	**23.9499**	**0.0504**	**5.0679**	**0.0379**	**5.1058**	**1.3498**	**0.0355**	**1.3853**		**5,137.8182**	**5,137.8182**	**0.3067**	**0.2251**	**5,212.5703**

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	0.1094	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
Mobile	3.0459	2.6750	23.9221	0.0503	5.0679	0.0360	5.1039	1.3498	0.0336	1.3834		5,107.4262	5,107.4262	0.3060	0.2246	5,181.9968
Total	**3.1581**	**2.7004**	**23.9499**	**0.0504**	**5.0679**	**0.0379**	**5.1058**	**1.3498**	**0.0355**	**1.3853**		**5,137.8182**	**5,137.8182**	**0.3067**	**0.2251**	**5,212.5703**

Blue Wave CarWash - Operations Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	2/1/2022	1/31/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.01

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

Blue Wave CarWash - Operations Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	3.0459	2.6750	23.9221	0.0503	5.0679	0.0360	5.1039	1.3498	0.0336	1.3834		5,107.4262	5,107.4262	0.3060	0.2246	5,181.9968
Unmitigated	3.0459	2.6750	23.9221	0.0503	5.0679	0.0360	5.1039	1.3498	0.0336	1.3834		5,107.4262	5,107.4262	0.3060	0.2246	5,181.9968

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	419.76	1,094.40	1094.40	1,347,653	1,347,653
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	419.76	1,094.40	1,094.40	1,347,653	1,347,653

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	75	0	25
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
City Park	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Other Non-Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Parking Lot	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
NaturalGas Unmitigated	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	258.214	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
City Park	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
Other Non-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
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		**2.7800e-003**	**0.0253**	**0.0213**	**1.5000e-004**		**1.9200e-003**	**1.9200e-003**		**1.9200e-003**	**1.9200e-003**		**30.3781**	**30.3781**	**5.8000e-004**	**5.6000e-004**	**30.5586**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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					
Automobile Care Center	0.258214	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
City Park	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
Other Non-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
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		**2.7800e-003**	**0.0253**	**0.0213**	**1.5000e-004**		**1.9200e-003**	**1.9200e-003**		**1.9200e-003**	**1.9200e-003**		**30.3781**	**30.3781**	**5.8000e-004**	**5.6000e-004**	**30.5586**

6.0 Area Detail

6.1 Mitigation Measures Area

Blue Wave CarWash - Operations Run - Contra Costa County, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1094	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	0.1094	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

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	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	**0.1094**	**6.0000e-005**	**6.5200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0140**	**0.0140**	**4.0000e-005**		**0.0149**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	**0.1094**	**6.0000e-005**	**6.5200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0140**	**0.0140**	**4.0000e-005**		**0.0149**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave CarWash - Operations Run

Contra Costa County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	33.98	1000sqft	0.78	33,976.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.27	Acre	0.27	11,761.20	0
Automobile Care Center	3.60	1000sqft	0.08	3,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2023
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 1

Construction Phase - Note 3

Off-road Equipment - Note 3

Trips and VMT - Note 3

Vehicle Trips - Note 4

Area Coating -

Water And Wastewater - Note 6

Blue Wave CarWash - Operations Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	LandUseSquareFeet	33,980.00	33,976.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	PB_TP	28.00	25.00
tblVehicleTrips	PR_TP	21.00	75.00
tblVehicleTrips	ST_TR	23.72	304.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	11.88	304.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	23.72	116.60
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	OutdoorWaterUseRate	207,585.41	6,689,280.00

2.0 Emissions Summary

Blue Wave CarWash - Operations Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	0.1094	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
Mobile	2.6141	3.0978	25.4175	0.0469	5.0679	0.0360	5.1039	1.3498	0.0336	1.3834		4,763.9771	4,763.9771	0.3551	0.2485	4,846.9116
Total	**2.7262**	**3.1232**	**25.4453**	**0.0470**	**5.0679**	**0.0380**	**5.1058**	**1.3498**	**0.0355**	**1.3853**		**4,794.3691**	**4,794.3691**	**0.3557**	**0.2491**	**4,877.4850**

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	0.1094	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Energy	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
Mobile	2.6141	3.0978	25.4175	0.0469	5.0679	0.0360	5.1039	1.3498	0.0336	1.3834		4,763.9771	4,763.9771	0.3551	0.2485	4,846.9116
Total	**2.7262**	**3.1232**	**25.4453**	**0.0470**	**5.0679**	**0.0380**	**5.1058**	**1.3498**	**0.0355**	**1.3853**		**4,794.3691**	**4,794.3691**	**0.3557**	**0.2491**	**4,877.4850**

Blue Wave CarWash - Operations Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	2/1/2022	1/31/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.01

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

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	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	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

Blue Wave CarWash - Operations Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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	2.6141	3.0978	25.4175	0.0469	5.0679	0.0360	5.1039	1.3498	0.0336	1.3834		4,763.9771	4,763.9771	0.3551	0.2485	4,846.9116
Unmitigated	2.6141	3.0978	25.4175	0.0469	5.0679	0.0360	5.1039	1.3498	0.0336	1.3834		4,763.9771	4,763.9771	0.3551	0.2485	4,846.9116

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	419.76	1,094.40	1094.40	1,347,653	1,347,653
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	419.76	1,094.40	1,094.40	1,347,653	1,347,653

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	75	0	25
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
City Park	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Other Non-Asphalt Surfaces	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481
Parking Lot	0.558086	0.056127	0.180570	0.129764	0.024304	0.005480	0.007016	0.007028	0.000551	0.000343	0.026017	0.001231	0.003481

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
NaturalGas Unmitigated	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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					
Automobile Care Center	258.214	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
City Park	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
Other Non-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
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		**2.7800e-003**	**0.0253**	**0.0213**	**1.5000e-004**		**1.9200e-003**	**1.9200e-003**		**1.9200e-003**	**1.9200e-003**		**30.3781**	**30.3781**	**5.8000e-004**	**5.6000e-004**	**30.5586**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

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					
Automobile Care Center	0.258214	2.7800e-003	0.0253	0.0213	1.5000e-004		1.9200e-003	1.9200e-003		1.9200e-003	1.9200e-003		30.3781	30.3781	5.8000e-004	5.6000e-004	30.5586
City Park	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
Other Non-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
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		**2.7800e-003**	**0.0253**	**0.0213**	**1.5000e-004**		**1.9200e-003**	**1.9200e-003**		**1.9200e-003**	**1.9200e-003**		**30.3781**	**30.3781**	**5.8000e-004**	**5.6000e-004**	**30.5586**

6.0 Area Detail

6.1 Mitigation Measures Area

Blue Wave CarWash - Operations Run - Contra Costa County, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1094	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Unmitigated	0.1094	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149

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	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	**0.1094**	**6.0000e-005**	**6.5200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0140**	**0.0140**	**4.0000e-005**		**0.0149**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0154					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0934					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	6.0000e-004	6.0000e-005	6.5200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0140	0.0140	4.0000e-005		0.0149
Total	**0.1094**	**6.0000e-005**	**6.5200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0140**	**0.0140**	**4.0000e-005**		**0.0149**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Blue Wave CarWash - Operations 2030 Run

Contra Costa County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	33.98	1000sqft	0.78	33,976.00	0
Parking Lot	26.00	Space	0.23	10,400.00	0
City Park	0.27	Acre	0.27	11,761.20	0
Automobile Care Center	3.60	1000sqft	0.08	3,600.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	58
Climate Zone	4			**Operational Year**	2030
Utility Company	Pacific Gas and Electric Company				
CO2 Intensity (lb/MWhr)	203.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Note 1

Construction Phase - Note 3

Off-road Equipment - Note 3

Trips and VMT - Note 3

Vehicle Trips - Note 4

Area Coating -

Water And Wastewater - Note 6

Vehicle Emission Factors -

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Vehicle Emission Factors -

Vehicle Emission Factors -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblLandUse	LandUseSquareFeet	33,980.00	33,976.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblVehicleTrips	DV_TP	51.00	0.00
tblVehicleTrips	PB_TP	28.00	25.00
tblVehicleTrips	PR_TP	21.00	75.00
tblVehicleTrips	ST_TR	23.72	304.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	SU_TR	11.88	304.00
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	WD_TR	23.72	116.60
tblVehicleTrips	WD_TR	0.78	0.00
tblWater	OutdoorWaterUseRate	207,585.41	6,689,280.00

2.0 Emissions Summary

Blue Wave CarWash - Operations 2030 Run - Contra Costa County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Maximum	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

	ROG	**NOx**	**CO**	**SO2**	**Fugitive PM10**	**Exhaust PM10**	**PM10 Total**	**Fugitive PM2.5**	**Exhaust PM2.5**	**PM2.5 Total**	**Bio- CO2**	**NBio-CO2**	**Total CO2**	**CH4**	**N20**	**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**

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

		Highest		

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0199	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2100e-003
Energy	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	8.0642	8.0642	5.9000e-004	1.5000e-004	8.1241
Mobile	0.2011	0.2065	1.8656	3.9200e-003	0.4990	2.6200e-003	0.5016	0.1334	2.4500e-003	0.1358	0.0000	361.6233	361.6233	0.0229	0.0173	367.3517
Waste						0.0000	0.0000		0.0000	0.0000	2.7952	0.0000	2.7952	0.1652	0.0000	6.9250
Water						0.0000	0.0000		0.0000	0.0000	0.1075	2.4400	2.5474	0.0114	3.1000e-004	2.9251
Total	**0.2215**	**0.2111**	**1.8701**	**3.9500e-003**	**0.4990**	**2.9700e-003**	**0.5020**	**0.1334**	**2.8000e-003**	**0.1362**	**2.9026**	**372.1286**	**375.0313**	**0.2001**	**0.0178**	**385.3270**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0199	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2100e-003
Energy	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	8.0642	8.0642	5.9000e-004	1.5000e-004	8.1241
Mobile	0.2011	0.2065	1.8656	3.9200e-003	0.4990	2.6200e-003	0.5016	0.1334	2.4500e-003	0.1358	0.0000	361.6233	361.6233	0.0229	0.0173	367.3517
Waste						0.0000	0.0000		0.0000	0.0000	2.7952	0.0000	2.7952	0.1652	0.0000	6.9250
Water						0.0000	0.0000		0.0000	0.0000	0.1075	2.4400	2.5474	0.0114	3.1000e-004	2.9251
Total	**0.2215**	**0.2111**	**1.8701**	**3.9500e-003**	**0.4990**	**2.9700e-003**	**0.5020**	**0.1334**	**2.8000e-003**	**0.1362**	**2.9026**	**372.1286**	**375.0313**	**0.2001**	**0.0178**	**385.3270**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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	2/1/2022	1/31/2022	5	0	

Acres of Grading (Site Preparation Phase): 0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.01

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	0	8.00	81	0.73
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Demolition - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	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	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**	**0.0000**

4.0 Operational Detail - Mobile

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2011	0.2065	1.8656	3.9200e-003	0.4990	2.6200e-003	0.5016	0.1334	2.4500e-003	0.1358	0.0000	361.6233	361.6233	0.0229	0.0173	367.3517
Unmitigated	0.2011	0.2065	1.8656	3.9200e-003	0.4990	2.6200e-003	0.5016	0.1334	2.4500e-003	0.1358	0.0000	361.6233	361.6233	0.0229	0.0173	367.3517

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	419.76	1,094.40	1094.40	1,347,653	1,347,653
City Park	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Total	419.76	1,094.40	1,094.40	1,347,653	1,347,653

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	9.50	7.30	7.30	33.00	48.00	19.00	75	0	25
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.577637	0.055806	0.175331	0.118814	0.021880	0.005573	0.007435	0.007088	0.000537	0.000305	0.024935	0.001797	0.002862
City Park	0.577637	0.055806	0.175331	0.118814	0.021880	0.005573	0.007435	0.007088	0.000537	0.000305	0.024935	0.001797	0.002862
Other Non-Asphalt Surfaces	0.577637	0.055806	0.175331	0.118814	0.021880	0.005573	0.007435	0.007088	0.000537	0.000305	0.024935	0.001797	0.002862
Parking Lot	0.577637	0.055806	0.175331	0.118814	0.021880	0.005573	0.007435	0.007088	0.000537	0.000305	0.024935	0.001797	0.002862

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.0348	3.0348	4.9000e-004	6.0000e-005	3.0648
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	3.0348	3.0348	4.9000e-004	6.0000e-005	3.0648
NaturalGas Mitigated	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0294	5.0294	1.0000e-004	9.0000e-005	5.0593
NaturalGas Unmitigated	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0294	5.0294	1.0000e-004	9.0000e-005	5.0593

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	94248	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0294	5.0294	1.0000e-004	9.0000e-005	5.0593
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-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	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.1000e-004**	**4.6200e-003**	**3.8800e-003**	**3.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**5.0294**	**5.0294**	**1.0000e-004**	**9.0000e-005**	**5.0593**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Automobile Care Center	94248	5.1000e-004	4.6200e-003	3.8800e-003	3.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	5.0294	5.0294	1.0000e-004	9.0000e-005	5.0593
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Other Non-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	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		**5.1000e-004**	**4.6200e-003**	**3.8800e-003**	**3.0000e-005**		**3.5000e-004**	**3.5000e-004**		**3.5000e-004**	**3.5000e-004**	**0.0000**	**5.0294**	**5.0294**	**1.0000e-004**	**9.0000e-005**	**5.0593**

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	29160	2.6980	4.4000e-004	5.0000e-005	2.7247
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3640	0.3368	5.0000e-005	1.0000e-005	0.3401
Total		**3.0348**	**4.9000e-004**	**6.0000e-005**	**3.0648**

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Automobile Care Center	29160	2.6980	4.4000e-004	5.0000e-005	2.7247
City Park	0	0.0000	0.0000	0.0000	0.0000
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	3640	0.3368	5.0000e-005	1.0000e-005	0.3401
Total		**3.0348**	**4.9000e-004**	**6.0000e-005**	**3.0648**

6.0 Area Detail

6.1 Mitigation Measures Area

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0199	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2100e-003
Unmitigated	0.0199	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2100e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2100e-003
Total	**0.0199**	**1.0000e-005**	**5.8000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.1400e-003**	**1.1400e-003**	**0.0000**	**0.0000**	**1.2100e-003**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.8000e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0170					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.0000e-005	1.0000e-005	5.8000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1400e-003	1.1400e-003	0.0000	0.0000	1.2100e-003
Total	**0.0199**	**1.0000e-005**	**5.8000e-004**	**0.0000**		**0.0000**	**0.0000**		**0.0000**	**0.0000**	**0.0000**	**1.1400e-003**	**1.1400e-003**	**0.0000**	**0.0000**	**1.2100e-003**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	2.5474	0.0114	3.1000e-004	2.9251
Unmitigated	2.5474	0.0114	3.1000e-004	2.9251

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.338692 / 6.68928	2.4432	0.0114	3.1000e-004	2.8199
City Park	0 / 0.3217	0.1042	2.0000e-005	0.0000	0.1052
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**2.5474**	**0.0114**	**3.1000e-004**	**2.9251**

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Automobile Care Center	0.338692 / 6.68928	2.4432	0.0114	3.1000e-004	2.8199
City Park	0 / 0.3217	0.1042	2.0000e-005	0.0000	0.1052
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		**2.5474**	**0.0114**	**3.1000e-004**	**2.9251**

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	2.7952	0.1652	0.0000	6.9250
Unmitigated	2.7952	0.1652	0.0000	6.9250

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	13.75	2.7911	0.1650	0.0000	6.9149
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**2.7952**	**0.1652**	**0.0000**	**6.9250**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Automobile Care Center	13.75	2.7911	0.1650	0.0000	6.9149
City Park	0.02	4.0600e-003	2.4000e-004	0.0000	0.0101
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		**2.7952**	**0.1652**	**0.0000**	**6.9250**

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Equipment Type	Number

11.0 Vegetation

Project Health Risk Assessment

General Parameters

Blue Wave Carwash Project Construction Assumptions

CalEEMod output file: Blue Wave Carwash Project - Construction Only - Contra Costa County, Annual

On-Site Construction

Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days
Site Preparation	Site Preparation	2/1/2022	7/4/2022	5	110
Grading	Grading	2/1/2022	2/21/2022	5	15
Building Construction	Building Construction	5/27/2022	12/29/2022	5	155
Paving	Paving	4/4/2022	4/22/2022	5	15
Architectural Coating	Architectural Coating	8/8/2022	8/19/2022	5	10
				Total	**305**
				Total Construction Days (taking into account overlap of activities)	**238**

Off-Road Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8	187	0.41
Site Preparation	Excavators	1	8	158	0.38
Grading	Plate Compactors	1	8	8	0.43
Grading	Rollers	1	8	80	0.38
Grading	Rubber Tired Dozers	1	8	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7	97	0.37
Building Construction	Bore/Drill Rigs	1	8	221	0.50
Building Construction	Forklifts	1	6	89	0.20
Building Construction	Cement and Mortar Mixers	1	8	9	0.56
Building Construction	Rough Terrain Forklifts	1	8	100	0.40
Building Construction	Skid Steer Loaders	1	8	65	0.37
Building Construction	Tractors/Loaders/Backhoes	1	6	97	0.37
Building Construction	Welders	3	8	46	0.45
Paving	Cement and Mortar Mixers	1	8	9	0.56
Paving	Rollers	2	8	80	0.38

Construction Trips and VMT

Phase Name	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length
Site Preparation	5	0	0	10.8	7.3	20
Grading	15	0	399	10.8	7.3	20
Building Construction	25	10	0	10.8	7.3	20
Paving	5	0	0	10.8	7.3	20
Architectural Coating	5	0	0	10.8	7.3	20

OEHHA Cancer/BAAQMD Risk Methodology

Cancer Risk = DPM x CPF x ASF x DBR x ED x EF x TAH x AF/ AT

Cancer Risk = probability of an individual contracting cancer out of a population of 1 million people over a lifetime exposure duration of 30 years

DPM = long-term average concentration of diesel PM as predicted by the air dispersion model (ug/m3)

CPF = cancer potency factor for DPM (mg.ke-day)

ASF = age sensitivity factors that are dependent on the age of the exposed individual (unitless)

DBR = daily breathing rates that are dependent on the age of the exposed individual (liters/kg-day)

ED = exposure duration (years)

EF = exposure frequency (days/year)

TAH = time at home factors that are dependent on the age of the exposed individual (%)

AT = averaging time over the lifetime of an individual (days)

AF = adjustment factor for workers and students (unitless)

Cancer Risk Equation Values as recommended by the California Office of Environmental Health Hazards Assessment

Project Health Risk Assessment

Unmitigated Results

Blue Wave Carwash (Unmitigated Construction)

Estimation of Annual Onsite Construction Emissions

Start of Construction	2/1/2022	
End of Construction	12/29/2022	**Total**
Number of Days	331	331
Number of Hours	7,944	7,944

Size of the construction area source: **5,586.0** **sq-meters**

Year	**On-site Construction Activity**	**Unmitigated On-site DPM (tons)**
2022	Project Site (on site emissions)	0.01280
2022	Project Site (on site emissions)	0.00497
2022	Off-site Improvements (On site emissions)	0.00000
2022	Project Site (on site emissions)	0.00079
2022	Off-site Improvements (On site emissions)	0.00040
2022	Project Site (on site emissions)	0.03590
2022	Project Site (on site emissions)	0.00041

Total Unmitigated DPM (On-site) 5.527E-02 tons

Average Emission

5.019E+04	grams
1.755E-03	grams/sec
3.141E-07	grams/m2-sec

Blue Wave Carwash (Unmitigated Construction)

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation - PM2.5 Total)

Start of Construction	2/1/2022
End of Construction	12/29/2022
Number of Days	331
Number of Hours	7,944

		2022 Project Site Site Preparation	2022 Project Site Grading	2022 Project Site Paving	2022 Project Site Building Construction	2022 Project Site Architectural Coating	2022 Off-Site Improvements Grading	2022 Off-Site Improvements Paving
	Construction Trip Type						**Total**	
PM2.5 Total	Haul Truck	0	0.00123	0	0	0	0	0
PM2.5 Total	Vendor Truck	0	0	0	0.00194	0	0	0
PM2.5 Total	Worker	0.00059	0.00024	0.00008	0.00416	0.00005	0.00002	0.00003
PM2.5 Total	Total	0.00059	0.00147	0.00008	0.0061	0.00005	0.00002	0.00003

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total DPM		1.230E-03	1.940E-03	5.170E-03	8.340E-03
Average Emissions	Grams	1.117E+03	1.762E+03	4.694E+03	
	Grams/sec	3.905E-05	6.160E-05	1.641E-04	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	

Vehicle Travel Distances in the Construction HRA (miles)				
Road Segment 1 (mi)	0.12	0.12	0.12	miles
Road Segment 2 (mi)	0.31	0.31	0.31	miles
Trip Distribution (percent)				
Road Segment 1 (On-site)	100%	100%	100%	
Road Segment 2 (Off-site)	100%	100%	100%	

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
Road Segment 1 (On-site)	2.360E-07	1.020E-06	1.837E-06	3.093E-06
Road Segment 2 (Off-site)	6.024E-07	2.603E-06	4.689E-06	7.895E-06

Cancer Risk Calculations Using OEHHA Cancer Risk Assumptions
Blue Wave Carwash (Unmitigated Construction)

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

UTM:	598925.45	4207284.59	
Cancer Potency Factor:		1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency		350	days/year
Averaging Period		25550	days

Construction Annual DPM Emissions (as PM2.5) Unmitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.10493	10	361	1	0.25	1.4
0-1	0.10493	10	1090	1	0.66	11.3
					Total	12.7

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM:	598925.45	4207284.59	
Cancer Potency Factor:		1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency		350	days/year
Averaging Period		25550	days

Construction Annual DPM Emissions (as PM2.5) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
1	0.10493	3	572	1	0.91	2.5
					Total	2.5

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM:	598925.45	4207284.59	
Cancer Potency Factor:		1.1	$(mg/kg\text{-}day)^{-1}$
Exposure Frequency		350	days/year
Averaging Period		25550	days

Construction Annual DPM Emissions (as PM2.5) Unmitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
1	0.10493	1	261	0.73	0.91	0.3
					Total	0.3

Blue Wave Carwash (Unmitigated Construction)

UTM: 598925.45 4207284.59

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Unmitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
598925.45	4207284.59	0.1049	0.1049	0.02

Blue Wave Carwash Project - Unmitigated Construction

Maximum	0.10493		
		UTM	
	X	Y	
	598925.45	4207284.59	

* AERMOD (19191): C:\Users\kjohnson\OneDrive- ADEC Solutions USA, Inc\Documents 1\Kimber 11/19/2021
* AERMET (14134): 9:42:34 AM
* MODELING OPTIONS USED: Reg DFAULT CONC ELEV URBAN
* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 1095 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID
599009.27	4207391.2	0.07538	22.85	22.85	0	ANNUAL	ALL	5	
599013.3	4207404.91	0.05077	22.8	22.8	0	ANNUAL	ALL	5	
599017.33	4207418.61	0.03598	22.76	22.76	0	ANNUAL	ALL	5	
599021.36	4207432.32	0.02661	22.73	22.73	0	ANNUAL	ALL	5	
599025.39	4207446.02	0.02039	22.74	22.74	0	ANNUAL	ALL	5	
599031.04	4207465.21	0.0147	22.7	22.7	0	ANNUAL	ALL	5	
599036.68	4207484.4	0.01106	22.66	22.66	0	ANNUAL	ALL	5	
599042.33	4207503.59	0.0086	22.51	22.51	0	ANNUAL	ALL	5	
599047.97	4207522.77	0.00685	22.15	22.15	0	ANNUAL	ALL	5	
599053.62	4207541.96	0.00558	21.68	21.68	0	ANNUAL	ALL	5	
599059.26	4207561.15	0.00463	21.39	21.39	0	ANNUAL	ALL	5	
599064.91	4207580.33	0.0039	21.19	21.19	0	ANNUAL	ALL	5	
599081.84	4207637.89	0.0025	20.47	20.47	0	ANNUAL	ALL	5	
599054.7	4207434.11	0.03314	22.91	22.91	0	ANNUAL	ALL	5	
599065.12	4207451.15	0.02485	23	23	0	ANNUAL	ALL	5	
599075.58	4207468.18	0.01924	23.02	23.02	0	ANNUAL	ALL	5	
599086.07	4207485.19	0.0153	22.88	22.88	0	ANNUAL	ALL	5	
599070.22	4207492.31	0.01253	22.77	22.77	0	ANNUAL	ALL	5	
599096.57	4207502.19	0.01241	22.46	22.46	0	ANNUAL	ALL	5	
599080.37	4207509.47	0.01026	22.36	22.36	0	ANNUAL	ALL	5	
599064.16	4207516.75	0.00833	22.23	22.23	0	ANNUAL	ALL	5	
599107.41	4207519.05	0.01029	22.05	22.05	0	ANNUAL	ALL	5	
599092.18	4207525.89	0.0087	21.91	21.91	0	ANNUAL	ALL	5	
599076.94	4207532.73	0.00727	21.77	21.77	0	ANNUAL	ALL	5	
599117.93	4207536.04	0.00863	21.68	21.68	0	ANNUAL	ALL	5	
599102.36	4207543.04	0.00735	21.52	21.52	0	ANNUAL	ALL	5	
599086.8	4207550.03	0.00619	21.43	21.43	0	ANNUAL	ALL	5	
599128.45	4207553.04	0.00734	21.55	21.55	0	ANNUAL	ALL	5	
599112.61	4207560.16	0.00628	21.37	21.37	0	ANNUAL	ALL	5	
599096.76	4207567.28	0.00534	21.25	21.25	0	ANNUAL	ALL	5	
599080.92	4207574.39	0.00453	21.17	21.17	0	ANNUAL	ALL	5	
599138.98	4207570.03	0.00631	21.48	21.48	0	ANNUAL	ALL	5	
599122.89	4207577.26	0.00543	21.27	21.27	0	ANNUAL	ALL	5	
599106.8	4207584.49	0.00465	21.1	21.1	0	ANNUAL	ALL	5	
599090.71	4207591.72	0.00397	20.96	20.96	0	ANNUAL	ALL	5	
599149.53	4207587.02	0.00548	21.22	21.22	0	ANNUAL	ALL	5	
599133.22	4207594.34	0.00474	21.05	21.05	0	ANNUAL	ALL	5	
599116.91	4207601.67	0.00408	20.92	20.92	0	ANNUAL	ALL	5	
599100.59	4207609	0.00352	20.77	20.77	0	ANNUAL	ALL	5	
599160.29	4207603.9	0.0048	20.86	20.86	0	ANNUAL	ALL	5	
599144.65	4207610.93	0.00421	20.7	20.7	0	ANNUAL	ALL	5	
599129.02	4207617.95	0.00368	20.56	20.56	0	ANNUAL	ALL	5	
599113.38	4207624.98	0.00321	20.47	20.47	0	ANNUAL	ALL	5	
599097.75	4207632	0.00281	20.4	20.4	0	ANNUAL	ALL	5	
599180.09	4207635.74	0.00381	19.8	19.8	0	ANNUAL	ALL	5	
599164.17	4207642.89	0.00337	19.8	19.8	0	ANNUAL	ALL	5	
599148.26	4207650.04	0.00297	19.8	19.8	0	ANNUAL	ALL	5	
599199.9	4207667.57	0.00309	19.21	19.21	0	ANNUAL	ALL	5	
599183.75	4207674.82	0.00275	19.2	19.2	0	ANNUAL	ALL	5	
599070.24	4207423.42	0.04266	22.93	22.93	0	ANNUAL	ALL	5	
599086.67	4207433.71	0.03552	22.95	22.95	0	ANNUAL	ALL	5	

599139.41	4207287.6	0.01597	23.47	23.47	0	ANNUAL	ALL	5
599135.22	4207274.18	0.01235	23.6	23.6	0	ANNUAL	ALL	5
599093.41	4207452.33	0.02637	22.94	22.94	0	ANNUAL	ALL	5
599158.5	4207281.64	0.01164	23.35	23.35	0	ANNUAL	ALL	5
599110.25	4207462.27	0.023	22.82	22.82	0	ANNUAL	ALL	5
599177.6	4207275.68	0.00879	23.14	23.14	0	ANNUAL	ALL	5
599127.29	4207472.04	0.02021	22.75	22.75	0	ANNUAL	ALL	5
599116.96	4207480.92	0.01787	22.77	22.77	0	ANNUAL	ALL	5
599106.63	4207489.79	0.01542	22.66	22.66	0	ANNUAL	ALL	5
599144.46	4207481.7	0.01787	22.65	22.65	0	ANNUAL	ALL	5
599134.03	4207490.66	0.01604	22.55	22.55	0	ANNUAL	ALL	5
599123.6	4207499.62	0.01408	22.43	22.43	0	ANNUAL	ALL	5
599215.78	4207263.76	0.00544	22.85	22.85	0	ANNUAL	ALL	5
599211.59	4207250.35	0.00444	22.85	22.85	0	ANNUAL	ALL	5
599207.4	4207236.93	0.00362	22.86	22.86	0	ANNUAL	ALL	5
599203.21	4207223.51	0.00298	22.98	22.98	0	ANNUAL	ALL	5
599199.03	4207210.09	0.00249	23.08	23.08	0	ANNUAL	ALL	5
599151.22	4207500.3	0.01445	22.43	22.43	0	ANNUAL	ALL	5
599140.7	4207509.33	0.01288	22.29	22.29	0	ANNUAL	ALL	5
599130.18	4207518.37	0.01126	22.1	22.1	0	ANNUAL	ALL	5
599239.06	4207271.22	0.00535	22.47	22.47	0	ANNUAL	ALL	5
599234.87	4207257.8	0.00441	22.58	22.58	0	ANNUAL	ALL	5
599230.68	4207244.39	0.00364	22.75	22.75	0	ANNUAL	ALL	5
599226.49	4207230.97	0.00301	22.85	22.85	0	ANNUAL	ALL	5
599222.31	4207217.55	0.00251	22.97	22.97	0	ANNUAL	ALL	5
599218.12	4207204.13	0.00212	23.1	23.1	0	ANNUAL	ALL	5
599157.92	4207518.96	0.0118	22.23	22.23	0	ANNUAL	ALL	5
599147.32	4207528.06	0.01046	22.03	22.03	0	ANNUAL	ALL	5
599136.73	4207537.16	0.00913	21.79	21.79	0	ANNUAL	ALL	5
599258.15	4207265.26	0.00434	22.14	22.14	0	ANNUAL	ALL	5
599253.96	4207251.85	0.00361	22.4	22.4	0	ANNUAL	ALL	5
599249.77	4207238.43	0.00302	22.66	22.66	0	ANNUAL	ALL	5
599245.59	4207225.01	0.00253	22.87	22.87	0	ANNUAL	ALL	5
599241.4	4207211.59	0.00213	23.01	23.01	0	ANNUAL	ALL	5
599237.21	4207198.17	0.00183	23	23	0	ANNUAL	ALL	5
599164.56	4207537.66	0.00971	22.06	22.06	0	ANNUAL	ALL	5
599153.9	4207546.81	0.00859	21.84	21.84	0	ANNUAL	ALL	5
599143.24	4207555.97	0.0075	21.64	21.64	0	ANNUAL	ALL	5
599277.24	4207259.3	0.00353	21.85	21.85	0	ANNUAL	ALL	5
599273.05	4207245.89	0.00299	22.16	22.16	0	ANNUAL	ALL	5
599268.87	4207232.47	0.00253	22.48	22.48	0	ANNUAL	ALL	5
599264.68	4207219.05	0.00215	22.81	22.81	0	ANNUAL	ALL	5
599260.49	4207205.63	0.00183	23.07	23.07	0	ANNUAL	ALL	5
599256.3	4207192.21	0.00159	23.01	23.01	0	ANNUAL	ALL	5
599290.69	4207319.3	0.00664	21.05	21.05	0	ANNUAL	ALL	5
599167.81	4207559.27	0.00777	21.76	21.76	0	ANNUAL	ALL	5
599292.15	4207239.93	0.00251	21.86	21.86	0	ANNUAL	ALL	5
599287.96	4207226.51	0.00215	22.22	22.22	0	ANNUAL	ALL	5
599283.77	4207213.09	0.00184	22.59	22.59	0	ANNUAL	ALL	5
599279.58	4207199.67	0.00159	22.87	22.87	0	ANNUAL	ALL	5
599275.39	4207186.26	0.00139	22.94	22.94	0	ANNUAL	ALL	5
599309.73	4207313.89	0.0055	20.76	20.76	0	ANNUAL	ALL	5
599184.68	4207569.19	0.00729	21.61	21.61	0	ANNUAL	ALL	5
599174.55	4207577.88	0.00653	21.43	21.43	0	ANNUAL	ALL	5
599311.24	4207233.97	0.00213	21.58	21.58	0	ANNUAL	ALL	5
599307.05	4207220.55	0.00184	21.92	21.92	0	ANNUAL	ALL	5
599302.86	4207207.13	0.00159	22.28	22.28	0	ANNUAL	ALL	5
599298.67	4207193.72	0.00139	22.54	22.54	0	ANNUAL	ALL	5
599294.49	4207180.3	0.00122	22.75	22.75	0	ANNUAL	ALL	5
599350.08	4207249.6	0.00217	20.89	20.89	0	ANNUAL	ALL	5
599344.35	4207316.55	0.00449	20.16	20.16	0	ANNUAL	ALL	5
599343.2	4207329.93	0.00507	20.29	20.29	0	ANNUAL	ALL	5
599258.1	4207551.89	0.00856	21.88	21.88	0	ANNUAL	ALL	5
599196.94	4207604.42	0.00535	20.71	20.71	0	ANNUAL	ALL	5
599176.55	4207621.93	0.00427	20.24	20.24	0	ANNUAL	ALL	5
599351.22	4207236.21	0.00186	21.11	21.11	0	ANNUAL	ALL	5

599347.03	4207222.8	0.00162	21.26	21.26	0	ANNUAL	ALL	5
599342.85	4207209.38	0.00142	21.41	21.41	0	ANNUAL	ALL	5
599338.66	4207195.96	0.00125	21.61	21.61	0	ANNUAL	ALL	5
599334.47	4207182.54	0.0011	21.88	21.88	0	ANNUAL	ALL	5
599330.28	4207169.12	0.00098	22.12	22.12	0	ANNUAL	ALL	5
599385.87	4207238.5	0.00166	20.58	20.58	0	ANNUAL	ALL	5
599384.72	4207251.96	0.00192	20.41	20.41	0	ANNUAL	ALL	5
599352.59	4207516.49	0.00769	21.24	21.24	0	ANNUAL	ALL	5
599219.37	4207630.91	0.00445	19.85	19.85	0	ANNUAL	ALL	5
599198.87	4207648.52	0.00362	19.49	19.49	0	ANNUAL	ALL	5
599188.63	4207657.32	0.00324	19.37	19.37	0	ANNUAL	ALL	5
599387.02	4207225.04	0.00144	20.72	20.72	0	ANNUAL	ALL	5
599382.83	4207211.62	0.00127	20.9	20.9	0	ANNUAL	ALL	5
599378.64	4207198.21	0.00113	21.09	21.09	0	ANNUAL	ALL	5
599374.45	4207184.79	0.001	21.28	21.28	0	ANNUAL	ALL	5
599370.27	4207171.37	0.0009	21.47	21.47	0	ANNUAL	ALL	5
599366.08	4207157.95	0.00081	21.64	21.64	0	ANNUAL	ALL	5
599421.66	4207227.39	0.00131	20.36	20.36	0	ANNUAL	ALL	5
599420.5	4207240.9	0.0015	20.32	20.32	0	ANNUAL	ALL	5
599419.35	4207254.42	0.00171	20.15	20.15	0	ANNUAL	ALL	5
599418.19	4207267.94	0.00195	19.99	19.99	0	ANNUAL	ALL	5
599417.03	4207281.46	0.00222	19.87	19.87	0	ANNUAL	ALL	5
599375.63	4207542.46	0.00663	20.81	20.81	0	ANNUAL	ALL	5
599365.34	4207551.3	0.00668	20.88	20.88	0	ANNUAL	ALL	5
599344.75	4207568.98	0.00661	20.72	20.72	0	ANNUAL	ALL	5
599334.46	4207577.82	0.00649	20.52	20.52	0	ANNUAL	ALL	5
599313.88	4207595.5	0.0061	20.33	20.33	0	ANNUAL	ALL	5
599303.58	4207604.34	0.00583	20.23	20.23	0	ANNUAL	ALL	5
599252.12	4207648.54	0.00413	19.51	19.51	0	ANNUAL	ALL	5
599241.83	4207657.38	0.00377	19.42	19.42	0	ANNUAL	ALL	5
599221.25	4207675.06	0.00311	19.23	19.23	0	ANNUAL	ALL	5
599210.95	4207683.9	0.00281	19.18	19.18	0	ANNUAL	ALL	5
599422.82	4207213.87	0.00115	20.33	20.33	0	ANNUAL	ALL	5
599418.63	4207200.45	0.00102	20.4	20.4	0	ANNUAL	ALL	5
599414.44	4207187.03	0.00091	20.51	20.51	0	ANNUAL	ALL	5
599410.25	4207173.61	0.00082	20.62	20.62	0	ANNUAL	ALL	5
599406.06	4207160.2	0.00074	20.84	20.84	0	ANNUAL	ALL	5
599401.88	4207146.78	0.00067	21.04	21.04	0	ANNUAL	ALL	5
599457.45	4207216.26	0.00105	20.06	20.06	0	ANNUAL	ALL	5
599456.29	4207229.83	0.0012	20.15	20.15	0	ANNUAL	ALL	5
599455.13	4207243.4	0.00136	20.13	20.13	0	ANNUAL	ALL	5
599453.97	4207256.96	0.00154	19.96	19.96	0	ANNUAL	ALL	5
599452.81	4207270.53	0.00174	19.8	19.8	0	ANNUAL	ALL	5
599451.65	4207284.1	0.00196	19.7	19.7	0	ANNUAL	ALL	5
599450.49	4207297.67	0.0022	19.59	19.59	0	ANNUAL	ALL	5
599443.52	4207379.07	0.00392	18.46	18.46	0	ANNUAL	ALL	5
599442.36	4207392.64	0.00421	18.24	18.24	0	ANNUAL	ALL	5
599441.2	4207406.2	0.00448	18.3	18.3	0	ANNUAL	ALL	5
599440.04	4207419.77	0.00474	18.37	18.37	0	ANNUAL	ALL	5
599438.88	4207433.34	0.00497	18.53	18.53	0	ANNUAL	ALL	5
599437.72	4207446.9	0.00517	18.72	18.72	0	ANNUAL	ALL	5
599284.98	4207666.08	0.00381	18.82	18.82	0	ANNUAL	ALL	5
599274.65	4207674.96	0.00352	18.91	18.91	0	ANNUAL	ALL	5
599264.32	4207683.83	0.00323	19.06	19.06	0	ANNUAL	ALL	5
599458.61	4207202.7	0.00093	19.99	19.99	0	ANNUAL	ALL	5
599454.42	4207189.28	0.00084	20	20	0	ANNUAL	ALL	5
599450.24	4207175.86	0.00076	20.04	20.04	0	ANNUAL	ALL	5
599446.05	4207162.44	0.00068	20.36	20.36	0	ANNUAL	ALL	5
599441.86	4207149.02	0.00062	20.68	20.68	0	ANNUAL	ALL	5
599437.67	4207135.61	0.00057	20.85	20.85	0	ANNUAL	ALL	5
598925.45	4207284.59	0.10493	24.47	24.47	0	ANNUAL	ALL	5
599019.38	4207230.52	0.02539	24.43	24.43	0	ANNUAL	ALL	5
598987.56	4207246.08	0.0734	24.55	24.55	0	ANNUAL	ALL	5
598963.14	4207253.53	0.10044	24.61	24.61	0	ANNUAL	ALL	5
599006.44	4207229.72	0.03423	24.53	24.53	0	ANNUAL	ALL	5
598983.39	4207232.42	0.05342	24.68	24.68	0	ANNUAL	ALL	5

598958.97	4207239.87	0.07138	24.68	24.68	0	ANNUAL	ALL	5
599002.27	4207216.06	0.02839	24.59	24.59	0	ANNUAL	ALL	5
599023.96	4207218.12	0.01871	24.47	24.47	0	ANNUAL	ALL	5
599038.26	4207223.73	0.01428	24.47	24.47	0	ANNUAL	ALL	5
598979.22	4207218.75	0.04076	24.68	24.68	0	ANNUAL	ALL	5
598954.8	4207226.21	0.05272	24.71	24.71	0	ANNUAL	ALL	5
598998.1	4207202.39	0.02382	24.65	24.65	0	ANNUAL	ALL	5
599019.79	4207204.46	0.01694	24.51	24.51	0	ANNUAL	ALL	5
599048.44	4207214.9	0.01034	24.45	24.45	0	ANNUAL	ALL	5
598975.05	4207205.09	0.0322	24.65	24.65	0	ANNUAL	ALL	5
598950.63	4207212.54	0.04037	24.69	24.69	0	ANNUAL	ALL	5
598993.93	4207188.73	0.02022	24.75	24.75	0	ANNUAL	ALL	5
599015.62	4207190.8	0.01524	24.57	24.57	0	ANNUAL	ALL	5
599037.31	4207192.86	0.01048	24.5	24.5	0	ANNUAL	ALL	5
599055.11	4207202.27	0.00806	24.39	24.39	0	ANNUAL	ALL	5
599059.1	4207216.39	0.00848	24.35	24.35	0	ANNUAL	ALL	5
598970.88	4207191.42	0.02606	24.75	24.75	0	ANNUAL	ALL	5
598946.46	4207198.88	0.03185	24.71	24.71	0	ANNUAL	ALL	5
598991.57	4207175.24	0.01706	24.86	24.86	0	ANNUAL	ALL	5
599016.87	4207177.65	0.01271	24.59	24.59	0	ANNUAL	ALL	5
599042.17	4207180.06	0.00853	24.44	24.44	0	ANNUAL	ALL	5
599062.95	4207191.03	0.00639	24.29	24.29	0	ANNUAL	ALL	5
598966.71	4207177.76	0.02153	24.93	24.93	0	ANNUAL	ALL	5
598942.29	4207185.21	0.02574	24.93	24.93	0	ANNUAL	ALL	5
599030.01	4207160.33	0.0087	24.59	24.59	0	ANNUAL	ALL	5
599052.78	4207162.49	0.00621	24.36	24.36	0	ANNUAL	ALL	5
599111.42	4207191.49	0.00334	23.25	23.25	0	ANNUAL	ALL	5
599126.59	4207209.73	0.00359	23.13	23.13	0	ANNUAL	ALL	5
598955.03	4207139.5	0.01368	25.39	25.39	0	ANNUAL	ALL	5
598930.61	4207146.96	0.01564	25.37	25.37	0	ANNUAL	ALL	5
598906.19	4207154.41	0.0165	25.22	25.22	0	ANNUAL	ALL	5
598973.55	4207117.8	0.00992	25.24	25.24	0	ANNUAL	ALL	5
598997.84	4207120.12	0.00854	25.25	25.25	0	ANNUAL	ALL	5
599090.65	4207137.59	0.00309	24.16	24.16	0	ANNUAL	ALL	5
599106.25	4207156.35	0.00279	23.68	23.68	0	ANNUAL	ALL	5
599121.85	4207175.11	0.00267	23.14	23.14	0	ANNUAL	ALL	5
599137.45	4207193.87	0.00278	23.07	23.07	0	ANNUAL	ALL	5
598949.2	4207120.37	0.0113	25.31	25.31	0	ANNUAL	ALL	5
598924.77	4207127.83	0.0127	25.41	25.41	0	ANNUAL	ALL	5
598900.35	4207135.28	0.01339	25.3	25.3	0	ANNUAL	ALL	5
598967.99	4207098.7	0.00847	25.39	25.39	0	ANNUAL	ALL	5
598992.83	4207101.07	0.00746	25.3	25.3	0	ANNUAL	ALL	5
599017.67	4207103.43	0.00616	25.03	25.03	0	ANNUAL	ALL	5
599100.17	4207120.12	0.00253	24.34	24.34	0	ANNUAL	ALL	5
599116.12	4207139.3	0.0023	23.84	23.84	0	ANNUAL	ALL	5
599132.08	4207158.49	0.00219	23.33	23.33	0	ANNUAL	ALL	5
599148.03	4207177.68	0.00223	23.05	23.05	0	ANNUAL	ALL	5
599163.98	4207196.86	0.00247	23.1	23.1	0	ANNUAL	ALL	5
598943.36	4207101.24	0.00948	25.46	25.46	0	ANNUAL	ALL	5
598918.94	4207108.7	0.01053	25.4	25.4	0	ANNUAL	ALL	5
598894.51	4207116.15	0.01107	25.57	25.57	0	ANNUAL	ALL	5
598962.38	4207079.59	0.0073	25.85	25.85	0	ANNUAL	ALL	5
598987.68	4207082	0.00655	25.45	25.45	0	ANNUAL	ALL	5
599012.98	4207084.41	0.00554	25.26	25.26	0	ANNUAL	ALL	5
599088.88	4207091.64	0.00252	25.19	25.19	0	ANNUAL	ALL	5
599109.66	4207102.61	0.0021	24.64	24.64	0	ANNUAL	ALL	5
599125.91	4207122.15	0.00193	24.04	24.04	0	ANNUAL	ALL	5
599142.16	4207141.7	0.00183	23.49	23.49	0	ANNUAL	ALL	5
599158.4	4207161.24	0.00184	23.14	23.14	0	ANNUAL	ALL	5
599174.65	4207180.78	0.00197	23.03	23.03	0	ANNUAL	ALL	5
598937.52	4207082.12	0.00805	26.11	26.11	0	ANNUAL	ALL	5
598913.1	4207089.57	0.00884	26.11	26.11	0	ANNUAL	ALL	5
598888.67	4207097.02	0.00929	26.13	26.13	0	ANNUAL	ALL	5
598955.82	4207060.4	0.00636	26.48	26.48	0	ANNUAL	ALL	5
598979.68	4207062.67	0.00585	26.12	26.12	0	ANNUAL	ALL	5
599003.53	4207064.94	0.00515	25.78	25.78	0	ANNUAL	ALL	5

599075.09	4207071.75	0.00269	25.73	25.73	0	ANNUAL	ALL	5
599098.95	4207074.02	0.00208	25.62	25.62	0	ANNUAL	ALL	5
599118.54	4207084.37	0.00177	25.1	25.1	0	ANNUAL	ALL	5
599133.86	4207102.79	0.00166	24.39	24.39	0	ANNUAL	ALL	5
599149.18	4207121.22	0.00157	23.88	23.88	0	ANNUAL	ALL	5
599164.5	4207139.65	0.00154	23.5	23.5	0	ANNUAL	ALL	5
599179.82	4207158.07	0.00159	23.15	23.15	0	ANNUAL	ALL	5
599195.14	4207176.5	0.00171	23.1	23.1	0	ANNUAL	ALL	5
598931.68	4207062.99	0.00692	26.66	26.66	0	ANNUAL	ALL	5
598907.26	4207070.44	0.00754	26.72	26.72	0	ANNUAL	ALL	5
598882.84	4207077.89	0.0079	26.79	26.79	0	ANNUAL	ALL	5
598950.2	4207041.29	0.00558	26.95	26.95	0	ANNUAL	ALL	5
598974.49	4207043.6	0.00519	26.77	26.77	0	ANNUAL	ALL	5
598998.78	4207045.91	0.00463	26.46	26.46	0	ANNUAL	ALL	5
599071.64	4207052.85	0.00256	26.06	26.06	0	ANNUAL	ALL	5
599095.93	4207055.16	0.002	25.88	25.88	0	ANNUAL	ALL	5
599128.02	4207066.85	0.00151	25.29	25.29	0	ANNUAL	ALL	5
599143.62	4207085.61	0.00142	24.67	24.67	0	ANNUAL	ALL	5
599159.22	4207104.37	0.00135	24.18	24.18	0	ANNUAL	ALL	5
599174.81	4207123.13	0.00133	23.73	23.73	0	ANNUAL	ALL	5
599190.41	4207141.89	0.00135	23.12	23.12	0	ANNUAL	ALL	5
599206.01	4207160.65	0.00142	22.81	22.81	0	ANNUAL	ALL	5
599221.61	4207179.41	0.00158	22.83	22.83	0	ANNUAL	ALL	5
598925.85	4207043.86	0.00602	27.06	27.06	0	ANNUAL	ALL	5
598901.42	4207051.31	0.00651	27.01	27.01	0	ANNUAL	ALL	5
598877	4207058.76	0.00681	27	27	0	ANNUAL	ALL	5
598944.55	4207022.18	0.00494	27.15	27.15	0	ANNUAL	ALL	5
598969.22	4207024.52	0.00463	27.07	27.07	0	ANNUAL	ALL	5
598993.89	4207026.87	0.00418	26.85	26.85	0	ANNUAL	ALL	5
599067.89	4207033.92	0.00243	26.53	26.53	0	ANNUAL	ALL	5
599092.56	4207036.27	0.00192	26.32	26.32	0	ANNUAL	ALL	5
599117.23	4207038.62	0.00152	26.03	26.03	0	ANNUAL	ALL	5
599137.48	4207049.32	0.00131	25.41	25.41	0	ANNUAL	ALL	5
599153.33	4207068.37	0.00122	24.92	24.92	0	ANNUAL	ALL	5
599169.17	4207087.42	0.00118	24.5	24.5	0	ANNUAL	ALL	5
599185.01	4207106.48	0.00115	24.06	24.06	0	ANNUAL	ALL	5
599200.85	4207125.53	0.00116	23.3	23.3	0	ANNUAL	ALL	5
599216.7	4207144.58	0.0012	22.35	22.35	0	ANNUAL	ALL	5
599232.54	4207163.64	0.0013	22.66	22.66	0	ANNUAL	ALL	5
598920.01	4207024.73	0.00529	27.17	27.17	0	ANNUAL	ALL	5
598895.59	4207032.18	0.00568	27.13	27.13	0	ANNUAL	ALL	5
598871.16	4207039.64	0.00593	27.15	27.15	0	ANNUAL	ALL	5
598938.88	4207003.06	0.0044	27.41	27.41	0	ANNUAL	ALL	5
598963.89	4207005.44	0.00416	27.3	27.3	0	ANNUAL	ALL	5
598988.89	4207007.82	0.0038	27.18	27.18	0	ANNUAL	ALL	5
599063.9	4207014.96	0.00231	27.01	27.01	0	ANNUAL	ALL	5
599088.9	4207017.35	0.00185	26.87	26.87	0	ANNUAL	ALL	5
599113.9	4207019.73	0.00147	26.58	26.58	0	ANNUAL	ALL	5
599146.93	4207031.76	0.00114	25.75	25.75	0	ANNUAL	ALL	5
599162.99	4207051.07	0.00107	25.12	25.12	0	ANNUAL	ALL	5
599179.05	4207070.39	0.00102	24.87	24.87	0	ANNUAL	ALL	5
599195.11	4207089.7	0.00101	24.53	24.53	0	ANNUAL	ALL	5
599211.16	4207109.01	0.00101	23.64	23.64	0	ANNUAL	ALL	5
599227.22	4207128.32	0.00104	22.88	22.88	0	ANNUAL	ALL	5
599243.28	4207147.63	0.0011	22.73	22.73	0	ANNUAL	ALL	5
599259.34	4207166.94	0.00121	22.93	22.93	0	ANNUAL	ALL	5
598914.17	4207005.6	0.00468	27.42	27.42	0	ANNUAL	ALL	5
598889.75	4207013.05	0.005	27.2	27.2	0	ANNUAL	ALL	5
598865.32	4207020.51	0.00522	27.22	27.22	0	ANNUAL	ALL	5
598933.2	4206983.95	0.00395	27.78	27.78	0	ANNUAL	ALL	5
598958.5	4206986.36	0.00375	27.55	27.55	0	ANNUAL	ALL	5
598983.8	4206988.77	0.00346	27.42	27.42	0	ANNUAL	ALL	5
599059.7	4206995.99	0.0022	27.37	27.37	0	ANNUAL	ALL	5
599085	4206998.4	0.00178	27.49	27.49	0	ANNUAL	ALL	5
599110.3	4207000.81	0.00142	27.44	27.44	0	ANNUAL	ALL	5
599135.6	4207003.22	0.00114	27.1	27.1	0	ANNUAL	ALL	5

599156.37	4207014.19	0.001	26.23	26.23	0	ANNUAL	ALL	5
599172.62	4207033.73	0.00094	25.47	25.47	0	ANNUAL	ALL	5
599188.87	4207053.28	0.0009	25.14	25.14	0	ANNUAL	ALL	5
599205.12	4207072.82	0.00089	24.89	24.89	0	ANNUAL	ALL	5
599221.37	4207092.36	0.00089	24.19	24.19	0	ANNUAL	ALL	5
599237.61	4207111.9	0.00091	23.3	23.3	0	ANNUAL	ALL	5
599253.86	4207131.44	0.00095	23.03	23.03	0	ANNUAL	ALL	5
599270.11	4207150.98	0.00102	22.99	22.99	0	ANNUAL	ALL	5
598908.33	4206986.47	0.00417	27.86	27.86	0	ANNUAL	ALL	5
598883.91	4206993.92	0.00444	27.54	27.54	0	ANNUAL	ALL	5
598859.49	4207001.38	0.00462	27.57	27.57	0	ANNUAL	ALL	5
598921.8	4206948.04	0.00326	28.8	28.8	0	ANNUAL	ALL	5
598946.19	4206950.36	0.00314	28.66	28.66	0	ANNUAL	ALL	5
598970.59	4206952.68	0.00296	28.21	28.21	0	ANNUAL	ALL	5
599043.78	4206959.65	0.00212	27.82	27.82	0	ANNUAL	ALL	5
599068.18	4206961.97	0.00179	27.97	27.97	0	ANNUAL	ALL	5
599092.57	4206964.3	0.00147	28.32	28.32	0	ANNUAL	ALL	5
599116.97	4206966.62	0.0012	28.49	28.49	0	ANNUAL	ALL	5
599141.37	4206968.94	0.00098	28.42	28.42	0	ANNUAL	ALL	5
599173.6	4206980.69	0.00079	27.74	27.74	0	ANNUAL	ALL	5
599189.27	4206999.53	0.00075	26.54	26.54	0	ANNUAL	ALL	5
599204.93	4207018.37	0.00073	25.44	25.44	0	ANNUAL	ALL	5
599220.6	4207037.22	0.00072	25.19	25.19	0	ANNUAL	ALL	5
599236.27	4207056.06	0.00072	24.8	24.8	0	ANNUAL	ALL	5
599251.94	4207074.91	0.00072	24.16	24.16	0	ANNUAL	ALL	5
599267.61	4207093.75	0.00074	23.53	23.53	0	ANNUAL	ALL	5
599283.28	4207112.59	0.00076	23.18	23.18	0	ANNUAL	ALL	5
599298.95	4207131.44	0.00081	22.81	22.81	0	ANNUAL	ALL	5
599314.61	4207150.28	0.00088	22.45	22.45	0	ANNUAL	ALL	5
598897.39	4206950.6	0.00341	28.69	28.69	0	ANNUAL	ALL	5
598872.96	4206958.06	0.00361	28.19	28.19	0	ANNUAL	ALL	5
598848.54	4206965.51	0.00374	28.35	28.35	0	ANNUAL	ALL	5
598911.03	4206912.19	0.00274	28.89	28.89	0	ANNUAL	ALL	5
598935.78	4206914.54	0.00266	28.84	28.84	0	ANNUAL	ALL	5
598960.53	4206916.9	0.00254	28.64	28.64	0	ANNUAL	ALL	5
599034.78	4206923.97	0.00191	28.47	28.47	0	ANNUAL	ALL	5
599059.53	4206926.33	0.00166	28.41	28.41	0	ANNUAL	ALL	5
599084.28	4206928.68	0.0014	28.63	28.63	0	ANNUAL	ALL	5
599109.03	4206931.04	0.00116	28.85	28.85	0	ANNUAL	ALL	5
599133.78	4206933.39	0.00096	28.9	28.9	0	ANNUAL	ALL	5
599158.53	4206935.75	0.00079	28.91	28.91	0	ANNUAL	ALL	5
599191.23	4206947.67	0.00064	28.74	28.74	0	ANNUAL	ALL	5
599207.12	4206966.78	0.00061	27.84	27.84	0	ANNUAL	ALL	5
599223.02	4206985.9	0.0006	26.32	26.32	0	ANNUAL	ALL	5
599238.91	4207005.02	0.0006	25.32	25.32	0	ANNUAL	ALL	5
599254.81	4207024.13	0.0006	24.31	24.31	0	ANNUAL	ALL	5
599270.71	4207043.25	0.0006	23.7	23.7	0	ANNUAL	ALL	5
599286.6	4207062.37	0.0006	23.45	23.45	0	ANNUAL	ALL	5
599302.5	4207081.48	0.00061	23.24	23.24	0	ANNUAL	ALL	5
599318.39	4207100.6	0.00063	22.88	22.88	0	ANNUAL	ALL	5
599334.29	4207119.72	0.00067	22.57	22.57	0	ANNUAL	ALL	5
599350.18	4207138.83	0.00073	22.07	22.07	0	ANNUAL	ALL	5
598886.44	4206914.74	0.00285	28.76	28.76	0	ANNUAL	ALL	5
598862.02	4206922.19	0.003	28.64	28.64	0	ANNUAL	ALL	5
598837.6	4206929.64	0.0031	28.67	28.67	0	ANNUAL	ALL	5
598900.23	4206876.34	0.00234	28.93	28.93	0	ANNUAL	ALL	5
598925.28	4206878.72	0.00228	28.9	28.9	0	ANNUAL	ALL	5
598950.33	4206881.1	0.00219	28.92	28.92	0	ANNUAL	ALL	5
599025.47	4206888.26	0.0017	29.17	29.17	0	ANNUAL	ALL	5
599050.51	4206890.64	0.00153	28.72	28.72	0	ANNUAL	ALL	5
599075.56	4206893.03	0.00132	28.85	28.85	0	ANNUAL	ALL	5
599100.61	4206895.41	0.00105	28.96	28.96	0	ANNUAL	ALL	5
599125.66	4206897.8	0.00086	28.99	28.99	0	ANNUAL	ALL	5
599150.7	4206900.18	0.00078	28.92	28.92	0	ANNUAL	ALL	5
599175.75	4206902.57	0.00065	28.86	28.86	0	ANNUAL	ALL	5
599208.84	4206914.62	0.00054	28.61	28.61	0	ANNUAL	ALL	5

599224.93	4206933.97	0.00052	28.22	28.22	0	ANNUAL	ALL	5
599241.01	4206953.32	0.0005	27.44	27.44	0	ANNUAL	ALL	5
599257.1	4206972.66	0.0005	26.05	26.05	0	ANNUAL	ALL	5
599273.19	4206992.01	0.0005	24.6	24.6	0	ANNUAL	ALL	5
599289.27	4207011.35	0.0005	23.63	23.63	0	ANNUAL	ALL	5
599305.36	4207030.7	0.0005	23.37	23.37	0	ANNUAL	ALL	5
599321.44	4207050.05	0.00051	23.36	23.36	0	ANNUAL	ALL	5
599337.53	4207069.39	0.00052	23.07	23.07	0	ANNUAL	ALL	5
599353.62	4207088.74	0.00053	22.19	22.19	0	ANNUAL	ALL	5
599369.7	4207108.09	0.00056	21.66	21.66	0	ANNUAL	ALL	5
599385.79	4207127.43	0.00061	21.28	21.28	0	ANNUAL	ALL	5
598875.5	4206878.87	0.00242	28.85	28.85	0	ANNUAL	ALL	5
598851.07	4206886.32	0.00254	29.17	29.17	0	ANNUAL	ALL	5
598826.65	4206893.78	0.00262	29.23	29.23	0	ANNUAL	ALL	5
598889.41	4206840.48	0.00202	28.92	28.92	0	ANNUAL	ALL	5
598914.71	4206842.89	0.00199	29	29	0	ANNUAL	ALL	5
598940.01	4206845.3	0.00192	29.27	29.27	0	ANNUAL	ALL	5
599015.91	4206852.52	0.00155	29.99	29.99	0	ANNUAL	ALL	5
599041.21	4206854.93	0.00138	29.29	29.29	0	ANNUAL	ALL	5
599066.51	4206857.34	0.0012	28.99	28.99	0	ANNUAL	ALL	5
599091.81	4206859.75	0.00107	28.93	28.93	0	ANNUAL	ALL	5
599117.11	4206862.16	0.00091	28.93	28.93	0	ANNUAL	ALL	5
599142.41	4206864.57	0.00077	28.88	28.88	0	ANNUAL	ALL	5
599167.71	4206866.98	0.00065	28.86	28.86	0	ANNUAL	ALL	5
599193.01	4206869.38	0.00055	28.77	28.77	0	ANNUAL	ALL	5
599226.44	4206881.56	0.00046	28.34	28.34	0	ANNUAL	ALL	5
599242.69	4206901.11	0.00044	27.94	27.94	0	ANNUAL	ALL	5
599258.94	4206920.65	0.00043	27.67	27.67	0	ANNUAL	ALL	5
599275.19	4206940.19	0.00042	27	27	0	ANNUAL	ALL	5
599291.43	4206959.73	0.00042	25.91	25.91	0	ANNUAL	ALL	5
599307.68	4206979.27	0.00043	24.59	24.59	0	ANNUAL	ALL	5
599323.93	4206998.81	0.00043	23.74	23.74	0	ANNUAL	ALL	5
599340.18	4207018.36	0.00043	23.57	23.57	0	ANNUAL	ALL	5
599356.43	4207037.9	0.00044	23.1	23.1	0	ANNUAL	ALL	5
599372.68	4207057.44	0.00044	22.41	22.41	0	ANNUAL	ALL	5
599388.93	4207076.98	0.00046	21.28	21.28	0	ANNUAL	ALL	5
599405.18	4207096.52	0.00048	20.96	20.96	0	ANNUAL	ALL	5
599421.42	4207116.06	0.00052	21	21	0	ANNUAL	ALL	5
598864.55	4206843	0.0021	29.01	29.01	0	ANNUAL	ALL	5
598840.13	4206850.46	0.00218	29.38	29.38	0	ANNUAL	ALL	5
598815.7	4206857.91	0.00224	29.53	29.53	0	ANNUAL	ALL	5
598908.58	4207289.8	0.06241	24.56	24.56	0	ANNUAL	ALL	5
598917.76	4207274.74	0.07973	24.48	24.48	0	ANNUAL	ALL	5
598915.34	4207313.45	0.06245	24.35	24.35	0	ANNUAL	ALL	5
598919.82	4207327.34	0.05696	24.21	24.21	0	ANNUAL	ALL	5
598924.29	4207341.23	0.04802	24.04	24.04	0	ANNUAL	ALL	5
598894.98	4207294.18	0.04171	24.56	24.56	0	ANNUAL	ALL	5
598905.35	4207265.14	0.0547	24.55	24.55	0	ANNUAL	ALL	5
598883.26	4207276.57	0.03387	24.53	24.53	0	ANNUAL	ALL	5
598892.69	4207258.52	0.04037	24.62	24.62	0	ANNUAL	ALL	5
598909.67	4207244.43	0.04892	24.59	24.59	0	ANNUAL	ALL	5
598898.33	4207365.12	0.01633	23.66	23.66	0	ANNUAL	ALL	5
598869.19	4207286.44	0.02443	24.43	24.43	0	ANNUAL	ALL	5
598882.15	4207250.15	0.03205	24.66	24.66	0	ANNUAL	ALL	5
598892.76	4207241.34	0.03638	24.7	24.7	0	ANNUAL	ALL	5
598903.38	4207232.53	0.03916	24.69	24.69	0	ANNUAL	ALL	5
598866.85	4207313.92	0.01902	24.29	24.29	0	ANNUAL	ALL	5
598871.32	4207327.82	0.01782	24.22	24.22	0	ANNUAL	ALL	5
598875.79	4207341.71	0.0162	24.21	24.21	0	ANNUAL	ALL	5
598880.26	4207355.61	0.01434	24.09	24.09	0	ANNUAL	ALL	5
598884.73	4207369.5	0.01248	23.92	23.92	0	ANNUAL	ALL	5
598854.37	4207305.11	0.01643	24.47	24.47	0	ANNUAL	ALL	5
598856.62	4207278.72	0.01993	24.65	24.65	0	ANNUAL	ALL	5
598869.06	4207243.88	0.02524	24.74	24.74	0	ANNUAL	ALL	5
598889.44	4207226.97	0.03094	24.79	24.79	0	ANNUAL	ALL	5
598853.25	4207318.3	0.01444	24.4	24.4	0	ANNUAL	ALL	5

598857.72	4207332.2	0.01352	24.35	24.35	0	ANNUAL	ALL	5
598862.19	4207346.09	0.01237	24.35	24.35	0	ANNUAL	ALL	5
598866.66	4207359.98	0.01111	24.3	24.3	0	ANNUAL	ALL	5
598871.14	4207373.88	0.00986	24.21	24.21	0	ANNUAL	ALL	5
598840.74	4207309.85	0.01271	24.56	24.56	0	ANNUAL	ALL	5
598842.93	4207284.2	0.01542	24.77	24.77	0	ANNUAL	ALL	5
598845.12	4207258.55	0.01735	24.96	24.96	0	ANNUAL	ALL	5
598856.12	4207237.5	0.02042	24.88	24.88	0	ANNUAL	ALL	5
598875.93	4207221.06	0.02492	24.91	24.91	0	ANNUAL	ALL	5
598895.75	4207204.62	0.02681	24.94	24.94	0	ANNUAL	ALL	5
598844.12	4207336.57	0.0106	24.44	24.44	0	ANNUAL	ALL	5
598848.59	4207350.47	0.00976	24.45	24.45	0	ANNUAL	ALL	5
598853.07	4207364.36	0.00887	24.33	24.33	0	ANNUAL	ALL	5
598857.54	4207378.25	0.00801	24.21	24.21	0	ANNUAL	ALL	5
598821.74	4207315.61	0.00935	24.59	24.59	0	ANNUAL	ALL	5
598823.99	4207289.23	0.01131	24.96	24.96	0	ANNUAL	ALL	5
598826.24	4207262.84	0.01298	25.21	25.21	0	ANNUAL	ALL	5
598827.36	4207249.65	0.01358	25.16	25.16	0	ANNUAL	ALL	5
598838.68	4207228	0.01582	25.02	25.02	0	ANNUAL	ALL	5
598859.06	4207211.09	0.0192	25.19	25.19	0	ANNUAL	ALL	5
598879.44	4207194.18	0.02105	25.19	25.19	0	ANNUAL	ALL	5
598820.61	4207328.81	0.00837	24.47	24.47	0	ANNUAL	ALL	5
598825.08	4207342.7	0.00788	24.4	24.4	0	ANNUAL	ALL	5
598829.56	4207356.59	0.00732	24.34	24.34	0	ANNUAL	ALL	5
598834.03	4207370.49	0.00674	24.21	24.21	0	ANNUAL	ALL	5
598838.5	4207384.38	0.0062	24.1	24.1	0	ANNUAL	ALL	5
598802.72	4207321.47	0.00715	24.58	24.58	0	ANNUAL	ALL	5
598803.87	4207308	0.00787	24.82	24.82	0	ANNUAL	ALL	5
598805.02	4207294.53	0.00858	25.06	25.06	0	ANNUAL	ALL	5
598806.17	4207281.06	0.0093	25.15	25.15	0	ANNUAL	ALL	5
598807.32	4207267.6	0.00996	25.19	25.19	0	ANNUAL	ALL	5
598808.47	4207254.13	0.01052	25.2	25.2	0	ANNUAL	ALL	5
598809.62	4207240.66	0.01096	25.13	25.13	0	ANNUAL	ALL	5
598821.17	4207218.56	0.01261	25.24	25.24	0	ANNUAL	ALL	5
598841.97	4207201.3	0.0152	25.48	25.48	0	ANNUAL	ALL	5
598852.37	4207192.66	0.0162	25.52	25.52	0	ANNUAL	ALL	5
598873.17	4207175.4	0.01713	25.36	25.36	0	ANNUAL	ALL	5
598801.57	4207334.93	0.00645	24.47	24.47	0	ANNUAL	ALL	5
598806.04	4207348.83	0.00609	24.36	24.36	0	ANNUAL	ALL	5
598810.52	4207362.72	0.0057	24.28	24.28	0	ANNUAL	ALL	5
598814.99	4207376.62	0.0053	24.16	24.16	0	ANNUAL	ALL	5
598819.46	4207390.51	0.00495	24	24	0	ANNUAL	ALL	5
598783.7	4207327.38	0.00563	24.62	24.62	0	ANNUAL	ALL	5
598784.87	4207313.7	0.00617	24.8	24.8	0	ANNUAL	ALL	5
598786.04	4207300.02	0.00672	25	25	0	ANNUAL	ALL	5
598787.2	4207286.34	0.00727	25.15	25.15	0	ANNUAL	ALL	5
598788.37	4207272.65	0.00781	25.15	25.15	0	ANNUAL	ALL	5
598789.54	4207258.97	0.0083	25.16	25.16	0	ANNUAL	ALL	5
598790.71	4207245.29	0.00871	25.16	25.16	0	ANNUAL	ALL	5
598791.87	4207231.61	0.00903	25.15	25.15	0	ANNUAL	ALL	5
598803.61	4207209.16	0.01028	25.45	25.45	0	ANNUAL	ALL	5
598814.17	4207200.39	0.01133	25.57	25.57	0	ANNUAL	ALL	5
598824.74	4207191.62	0.01231	25.63	25.63	0	ANNUAL	ALL	5
598835.31	4207182.85	0.01314	25.69	25.69	0	ANNUAL	ALL	5
598845.87	4207174.08	0.01374	25.75	25.75	0	ANNUAL	ALL	5
598856.44	4207165.31	0.01409	25.67	25.67	0	ANNUAL	ALL	5
598867.01	4207156.55	0.01415	25.44	25.44	0	ANNUAL	ALL	5
598877.57	4207147.78	0.01391	25.27	25.27	0	ANNUAL	ALL	5
598782.53	4207341.06	0.00511	24.48	24.48	0	ANNUAL	ALL	5
598787.01	4207354.96	0.00484	24.35	24.35	0	ANNUAL	ALL	5
598791.48	4207368.85	0.00455	24.37	24.37	0	ANNUAL	ALL	5
598795.95	4207382.74	0.00426	24.37	24.37	0	ANNUAL	ALL	5
598800.42	4207396.64	0.00401	24.3	24.3	0	ANNUAL	ALL	5
598764.68	4207333.34	0.00455	24.58	24.58	0	ANNUAL	ALL	5
598765.86	4207319.48	0.00496	24.77	24.77	0	ANNUAL	ALL	5
598767.04	4207305.63	0.00539	24.93	24.93	0	ANNUAL	ALL	5

598768.22	4207291.78	0.00581	25.09	25.09	0	ANNUAL	ALL	5
598769.41	4207277.93	0.00625	25.09	25.09	0	ANNUAL	ALL	5
598770.59	4207264.07	0.00666	25.08	25.08	0	ANNUAL	ALL	5
598771.77	4207250.22	0.00702	25.14	25.14	0	ANNUAL	ALL	5
598772.95	4207236.37	0.00733	25.21	25.21	0	ANNUAL	ALL	5
598774.13	4207222.52	0.00757	25.36	25.36	0	ANNUAL	ALL	5
598786.01	4207199.79	0.00854	25.7	25.7	0	ANNUAL	ALL	5
598796.71	4207190.91	0.00937	25.7	25.7	0	ANNUAL	ALL	5
598807.41	4207182.03	0.01015	25.73	25.73	0	ANNUAL	ALL	5
598818.11	4207173.15	0.01084	25.79	25.79	0	ANNUAL	ALL	5
598828.81	4207164.27	0.01139	25.82	25.82	0	ANNUAL	ALL	5
598839.51	4207155.39	0.01175	25.74	25.74	0	ANNUAL	ALL	5
598850.2	4207146.51	0.0119	25.66	25.66	0	ANNUAL	ALL	5
598860.9	4207137.64	0.01184	25.44	25.44	0	ANNUAL	ALL	5
598871.6	4207128.76	0.01157	25.52	25.52	0	ANNUAL	ALL	5
598763.5	4207347.19	0.00415	24.38	24.38	0	ANNUAL	ALL	5
598767.97	4207361.08	0.00394	24.34	24.34	0	ANNUAL	ALL	5
598772.44	4207374.98	0.00372	24.44	24.44	0	ANNUAL	ALL	5
598776.91	4207388.87	0.00349	24.46	24.46	0	ANNUAL	ALL	5
598781.38	4207402.77	0.00327	24.38	24.38	0	ANNUAL	ALL	5
598745.65	4207339.32	0.00376	24.36	24.36	0	ANNUAL	ALL	5
598746.85	4207325.33	0.00408	24.61	24.61	0	ANNUAL	ALL	5
598748.04	4207311.34	0.00441	24.82	24.82	0	ANNUAL	ALL	5
598749.23	4207297.35	0.00475	24.99	24.99	0	ANNUAL	ALL	5
598750.43	4207283.35	0.00509	25.06	25.06	0	ANNUAL	ALL	5
598751.62	4207269.36	0.00543	25.01	25.01	0	ANNUAL	ALL	5
598752.81	4207255.37	0.00574	25.04	25.04	0	ANNUAL	ALL	5
598754.01	4207241.38	0.00602	25.23	25.23	0	ANNUAL	ALL	5
598755.2	4207227.38	0.00625	25.41	25.41	0	ANNUAL	ALL	5
598756.4	4207213.39	0.00643	25.59	25.59	0	ANNUAL	ALL	5
598768.4	4207190.43	0.00722	25.78	25.78	0	ANNUAL	ALL	5
598779.2	4207181.46	0.00788	25.78	25.78	0	ANNUAL	ALL	5
598790.01	4207172.5	0.00851	25.78	25.78	0	ANNUAL	ALL	5
598800.82	4207163.53	0.00909	25.8	25.8	0	ANNUAL	ALL	5
598811.62	4207154.56	0.00956	25.78	25.78	0	ANNUAL	ALL	5
598822.43	4207145.59	0.00991	25.73	25.73	0	ANNUAL	ALL	5
598833.24	4207136.62	0.01011	25.67	25.67	0	ANNUAL	ALL	5
598844.04	4207127.65	0.01014	25.89	25.89	0	ANNUAL	ALL	5
598854.85	4207118.69	0.01001	26.04	26.04	0	ANNUAL	ALL	5
598865.66	4207109.72	0.00975	26.12	26.12	0	ANNUAL	ALL	5
598744.46	4207353.32	0.00343	24.13	24.13	0	ANNUAL	ALL	5
598748.93	4207367.21	0.00327	24.1	24.1	0	ANNUAL	ALL	5
598753.4	4207381.11	0.00309	24.06	24.06	0	ANNUAL	ALL	5
598757.87	4207395	0.0029	24.04	24.04	0	ANNUAL	ALL	5
598762.35	4207408.89	0.00272	24.05	24.05	0	ANNUAL	ALL	5
598726.62	4207345.34	0.00314	23.89	23.89	0	ANNUAL	ALL	5
598727.83	4207331.23	0.00341	24.09	24.09	0	ANNUAL	ALL	5
598729.03	4207317.12	0.00368	24.31	24.31	0	ANNUAL	ALL	5
598730.24	4207303.01	0.00396	24.58	24.58	0	ANNUAL	ALL	5
598731.44	4207288.9	0.00422	24.83	24.83	0	ANNUAL	ALL	5
598732.64	4207274.79	0.0045	24.89	24.89	0	ANNUAL	ALL	5
598733.85	4207260.68	0.00476	24.94	24.94	0	ANNUAL	ALL	5
598735.05	4207246.57	0.005	25.17	25.17	0	ANNUAL	ALL	5
598736.25	4207232.46	0.00521	25.42	25.42	0	ANNUAL	ALL	5
598737.46	4207218.35	0.0054	25.58	25.58	0	ANNUAL	ALL	5
598738.66	4207204.24	0.00554	25.7	25.7	0	ANNUAL	ALL	5
598750.76	4207181.09	0.00618	25.74	25.74	0	ANNUAL	ALL	5
598761.66	4207172.05	0.00672	25.74	25.74	0	ANNUAL	ALL	5
598772.55	4207163.01	0.00724	25.81	25.81	0	ANNUAL	ALL	5
598783.45	4207153.96	0.00771	25.85	25.85	0	ANNUAL	ALL	5
598794.35	4207144.92	0.00813	25.82	25.82	0	ANNUAL	ALL	5
598805.24	4207135.88	0.00845	25.79	25.79	0	ANNUAL	ALL	5
598816.14	4207126.84	0.00866	26.04	26.04	0	ANNUAL	ALL	5
598827.04	4207117.79	0.00874	26.26	26.26	0	ANNUAL	ALL	5
598837.94	4207108.75	0.00871	26.45	26.45	0	ANNUAL	ALL	5
598848.83	4207099.71	0.00856	26.59	26.59	0	ANNUAL	ALL	5

598859.73	4207090.66	0.00831	26.68	26.68	0	ANNUAL	ALL	5
598725.42	4207359.44	0.00289	23.79	23.79	0	ANNUAL	ALL	5
598729.89	4207373.34	0.00275	23.82	23.82	0	ANNUAL	ALL	5
598734.36	4207387.23	0.0026	23.82	23.82	0	ANNUAL	ALL	5
598738.84	4207401.13	0.00245	23.77	23.77	0	ANNUAL	ALL	5
598707.59	4207351.36	0.00267	24.34	24.34	0	ANNUAL	ALL	5
598708.81	4207337.16	0.00288	24.41	24.41	0	ANNUAL	ALL	5
598710.02	4207322.95	0.0031	24.49	24.49	0	ANNUAL	ALL	5
598711.23	4207308.74	0.00333	24.57	24.57	0	ANNUAL	ALL	5
598712.44	4207294.53	0.00355	24.67	24.67	0	ANNUAL	ALL	5
598713.65	4207280.33	0.00378	24.8	24.8	0	ANNUAL	ALL	5
598714.87	4207266.12	0.00399	24.94	24.94	0	ANNUAL	ALL	5
598716.08	4207251.91	0.0042	25.14	25.14	0	ANNUAL	ALL	5
598717.29	4207237.7	0.00439	25.41	25.41	0	ANNUAL	ALL	5
598718.5	4207223.5	0.00456	25.6	25.6	0	ANNUAL	ALL	5
598719.72	4207209.29	0.00471	25.64	25.64	0	ANNUAL	ALL	5
598720.93	4207195.08	0.00483	25.69	25.69	0	ANNUAL	ALL	5
598733.11	4207171.77	0.00536	25.71	25.71	0	ANNUAL	ALL	5
598744.09	4207162.66	0.00579	25.8	25.8	0	ANNUAL	ALL	5
598755.06	4207153.55	0.00622	25.95	25.95	0	ANNUAL	ALL	5
598766.03	4207144.45	0.00662	26.03	26.03	0	ANNUAL	ALL	5
598777	4207135.34	0.00698	26.03	26.03	0	ANNUAL	ALL	5
598787.98	4207126.23	0.00726	26.25	26.25	0	ANNUAL	ALL	5
598798.95	4207117.13	0.00747	26.47	26.47	0	ANNUAL	ALL	5
598809.92	4207108.02	0.00759	26.69	26.69	0	ANNUAL	ALL	5
598820.9	4207098.92	0.00761	26.81	26.81	0	ANNUAL	ALL	5
598831.87	4207089.81	0.00754	26.94	26.94	0	ANNUAL	ALL	5
598842.84	4207080.7	0.00739	27.06	27.06	0	ANNUAL	ALL	5
598853.81	4207071.6	0.00716	27.12	27.12	0	ANNUAL	ALL	5
598706.38	4207365.57	0.00246	24.26	24.26	0	ANNUAL	ALL	5
598710.85	4207379.47	0.00235	24.05	24.05	0	ANNUAL	ALL	5
598715.33	4207393.36	0.00223	23.91	23.91	0	ANNUAL	ALL	5
598719.8	4207407.25	0.00211	23.84	23.84	0	ANNUAL	ALL	5
598689.78	4207343.12	0.00247	24.54	24.54	0	ANNUAL	ALL	5
598691	4207328.82	0.00264	24.72	24.72	0	ANNUAL	ALL	5
598692.22	4207314.53	0.00283	24.83	24.83	0	ANNUAL	ALL	5
598693.44	4207300.24	0.00301	24.85	24.85	0	ANNUAL	ALL	5
598694.66	4207285.95	0.0032	24.89	24.89	0	ANNUAL	ALL	5
598695.88	4207271.65	0.00339	25.02	25.02	0	ANNUAL	ALL	5
598697.1	4207257.36	0.00356	25.18	25.18	0	ANNUAL	ALL	5
598698.32	4207243.07	0.00373	25.41	25.41	0	ANNUAL	ALL	5
598699.54	4207228.78	0.00388	25.65	25.65	0	ANNUAL	ALL	5
598700.76	4207214.48	0.00403	25.64	25.64	0	ANNUAL	ALL	5
598701.98	4207200.19	0.00415	25.61	25.61	0	ANNUAL	ALL	5
598703.19	4207185.9	0.00425	25.67	25.67	0	ANNUAL	ALL	5
598715.45	4207162.45	0.00468	25.89	25.89	0	ANNUAL	ALL	5
598726.49	4207153.29	0.00504	26.15	26.15	0	ANNUAL	ALL	5
598737.53	4207144.13	0.00539	26.33	26.33	0	ANNUAL	ALL	5
598748.57	4207134.97	0.00573	26.42	26.42	0	ANNUAL	ALL	5
598759.61	4207125.81	0.00604	26.56	26.56	0	ANNUAL	ALL	5
598770.64	4207116.65	0.00629	26.73	26.73	0	ANNUAL	ALL	5
598781.68	4207107.48	0.00649	26.93	26.93	0	ANNUAL	ALL	5
598792.72	4207098.32	0.00663	27.03	27.03	0	ANNUAL	ALL	5
598803.76	4207089.16	0.00669	27.12	27.12	0	ANNUAL	ALL	5
598814.8	4207080	0.00667	27.24	27.24	0	ANNUAL	ALL	5
598825.84	4207070.84	0.00659	27.33	27.33	0	ANNUAL	ALL	5
598836.87	4207061.68	0.00644	27.33	27.33	0	ANNUAL	ALL	5
598847.91	4207052.52	0.00624	27.34	27.34	0	ANNUAL	ALL	5
598696.29	4207399.49	0.00193	24.02	24.02	0	ANNUAL	ALL	5
598700.76	4207413.38	0.00183	23.88	23.88	0	ANNUAL	ALL	5
598669.53	4207363.46	0.00199	24.37	24.37	0	ANNUAL	ALL	5
598675.66	4207291.63	0.00274	25.24	25.24	0	ANNUAL	ALL	5
598676.88	4207277.27	0.0029	25.3	25.3	0	ANNUAL	ALL	5
598678.11	4207262.9	0.00305	25.33	25.33	0	ANNUAL	ALL	5
598679.34	4207248.54	0.0032	25.44	25.44	0	ANNUAL	ALL	5
598680.56	4207234.17	0.00334	25.59	25.59	0	ANNUAL	ALL	5

598681.79	4207219.81	0.00347	25.67	25.67	0	ANNUAL	ALL	5
598683.01	4207205.44	0.00359	25.69	25.69	0	ANNUAL	ALL	5
598684.24	4207191.08	0.00369	25.75	25.75	0	ANNUAL	ALL	5
598685.46	4207176.71	0.00377	25.9	25.9	0	ANNUAL	ALL	5
598697.78	4207153.14	0.00412	26.32	26.32	0	ANNUAL	ALL	5
598708.88	4207143.93	0.00442	26.58	26.58	0	ANNUAL	ALL	5
598719.97	4207134.72	0.00472	26.79	26.79	0	ANNUAL	ALL	5
598731.07	4207125.51	0.00501	26.91	26.91	0	ANNUAL	ALL	5
598742.16	4207116.31	0.00527	27.03	27.03	0	ANNUAL	ALL	5
598753.26	4207107.1	0.0055	27.21	27.21	0	ANNUAL	ALL	5
598764.35	4207097.89	0.00569	27.25	27.25	0	ANNUAL	ALL	5
598775.45	4207088.68	0.00583	27.31	27.31	0	ANNUAL	ALL	5
598786.54	4207079.48	0.00591	27.39	27.39	0	ANNUAL	ALL	5
598797.64	4207070.27	0.00593	27.42	27.42	0	ANNUAL	ALL	5
598808.73	4207061.06	0.00589	27.43	27.43	0	ANNUAL	ALL	5
598819.83	4207051.86	0.0058	27.47	27.47	0	ANNUAL	ALL	5
598830.92	4207042.65	0.00566	27.51	27.51	0	ANNUAL	ALL	5
598842.02	4207033.44	0.00549	27.46	27.46	0	ANNUAL	ALL	5
598668.31	4207377.83	0.00185	24.32	24.32	0	ANNUAL	ALL	5
598677.25	4207405.62	0.00169	23.97	23.97	0	ANNUAL	ALL	5
598681.72	4207419.51	0.0016	24.02	24.02	0	ANNUAL	ALL	5
598650.5	4207369.53	0.00174	24.74	24.74	0	ANNUAL	ALL	5
598651.73	4207355.1	0.00186	24.72	24.72	0	ANNUAL	ALL	5
598652.96	4207340.67	0.00199	24.8	24.8	0	ANNUAL	ALL	5
598654.19	4207326.24	0.00212	24.94	24.94	0	ANNUAL	ALL	5
598655.42	4207311.81	0.00225	25.05	25.05	0	ANNUAL	ALL	5
598660.35	4207254.09	0.00277	25.41	25.41	0	ANNUAL	ALL	5
598661.58	4207239.66	0.00289	25.54	25.54	0	ANNUAL	ALL	5
598662.81	4207225.23	0.00301	25.66	25.66	0	ANNUAL	ALL	5
598664.04	4207210.8	0.00312	25.67	25.67	0	ANNUAL	ALL	5
598665.27	4207196.37	0.00321	25.7	25.7	0	ANNUAL	ALL	5
598666.5	4207181.94	0.00329	25.96	25.96	0	ANNUAL	ALL	5
598667.73	4207167.51	0.00336	26.2	26.2	0	ANNUAL	ALL	5
598680.11	4207143.83	0.00365	26.75	26.75	0	ANNUAL	ALL	5
598691.25	4207134.58	0.00391	26.98	26.98	0	ANNUAL	ALL	5
598702.4	4207125.33	0.00416	27.1	27.1	0	ANNUAL	ALL	5
598713.54	4207116.09	0.00441	27.21	27.21	0	ANNUAL	ALL	5
598724.69	4207106.84	0.00464	27.39	27.39	0	ANNUAL	ALL	5
598735.83	4207097.59	0.00484	27.41	27.41	0	ANNUAL	ALL	5
598746.98	4207088.34	0.00502	27.42	27.42	0	ANNUAL	ALL	5
598758.12	4207079.09	0.00515	27.47	27.47	0	ANNUAL	ALL	5
598769.26	4207069.84	0.00524	27.53	27.53	0	ANNUAL	ALL	5
598780.41	4207060.59	0.00529	27.52	27.52	0	ANNUAL	ALL	5
598791.55	4207051.35	0.00529	27.51	27.51	0	ANNUAL	ALL	5
598802.7	4207042.1	0.00524	27.55	27.55	0	ANNUAL	ALL	5
598813.84	4207032.85	0.00515	27.66	27.66	0	ANNUAL	ALL	5
598824.99	4207023.6	0.00502	27.67	27.67	0	ANNUAL	ALL	5
598836.13	4207014.35	0.00486	27.58	27.58	0	ANNUAL	ALL	5
598653.74	4207397.85	0.00155	24.56	24.56	0	ANNUAL	ALL	5
598658.21	4207411.74	0.00149	24.34	24.34	0	ANNUAL	ALL	5
598616.03	4207366.59	0.00148	24.81	24.81	0	ANNUAL	ALL	5
598617.26	4207352.16	0.00157	24.96	24.96	0	ANNUAL	ALL	5
598618.5	4207337.73	0.00166	25.28	25.28	0	ANNUAL	ALL	5
598619.73	4207323.3	0.00175	25.62	25.62	0	ANNUAL	ALL	5
598620.96	4207308.87	0.00185	25.67	25.67	0	ANNUAL	ALL	5
598622.19	4207294.44	0.00195	25.62	25.62	0	ANNUAL	ALL	5
598623.42	4207280.01	0.00205	25.56	25.56	0	ANNUAL	ALL	5
598624.65	4207265.58	0.00215	25.5	25.5	0	ANNUAL	ALL	5
598627.11	4207236.72	0.00234	25.57	25.57	0	ANNUAL	ALL	5
598628.34	4207222.29	0.00243	25.62	25.62	0	ANNUAL	ALL	5
598629.57	4207207.86	0.00251	25.67	25.67	0	ANNUAL	ALL	5
598630.81	4207193.43	0.00259	25.8	25.8	0	ANNUAL	ALL	5
598632.04	4207179	0.00265	26.24	26.24	0	ANNUAL	ALL	5
598633.27	4207164.57	0.00271	26.65	26.65	0	ANNUAL	ALL	5
598634.5	4207150.14	0.00275	26.82	26.82	0	ANNUAL	ALL	5
598646.87	4207126.46	0.00298	27.09	27.09	0	ANNUAL	ALL	5

598658.02	4207117.21	0.00317	27.2	27.2	0	ANNUAL	ALL	5
598669.16	4207107.96	0.00336	27.32	27.32	0	ANNUAL	ALL	5
598680.31	4207098.72	0.00354	27.42	27.42	0	ANNUAL	ALL	5
598691.45	4207089.47	0.00372	27.48	27.48	0	ANNUAL	ALL	5
598702.6	4207080.22	0.00389	27.5	27.5	0	ANNUAL	ALL	5
598713.74	4207070.97	0.00403	27.51	27.51	0	ANNUAL	ALL	5
598724.88	4207061.72	0.00415	27.54	27.54	0	ANNUAL	ALL	5
598736.03	4207052.47	0.00425	27.62	27.62	0	ANNUAL	ALL	5
598747.17	4207043.22	0.00431	27.7	27.7	0	ANNUAL	ALL	5
598758.32	4207033.98	0.00434	27.93	27.93	0	ANNUAL	ALL	5
598769.46	4207024.73	0.00434	28.1	28.1	0	ANNUAL	ALL	5
598780.61	4207015.48	0.00431	28.24	28.24	0	ANNUAL	ALL	5
598791.75	4207006.23	0.00425	28.27	28.27	0	ANNUAL	ALL	5
598802.9	4206996.98	0.00416	28.36	28.36	0	ANNUAL	ALL	5
598814.04	4206987.73	0.00405	28.51	28.51	0	ANNUAL	ALL	5
598825.18	4206978.49	0.00393	28.61	28.61	0	ANNUAL	ALL	5
598613.57	4207395.45	0.0013	24.57	24.57	0	ANNUAL	ALL	5
598618.04	4207409.34	0.00125	24.57	24.57	0	ANNUAL	ALL	5
598624.59	4207479.7	0.00094	24.32	24.32	0	ANNUAL	ALL	5
598579.11	4207392.51	0.00113	24.64	24.64	0	ANNUAL	ALL	5
598580.34	4207378.08	0.0012	24.66	24.66	0	ANNUAL	ALL	5
598581.57	4207363.65	0.00127	24.8	24.8	0	ANNUAL	ALL	5
598582.8	4207349.22	0.00134	24.97	24.97	0	ANNUAL	ALL	5
598587.72	4207291.5	0.00163	25.8	25.8	0	ANNUAL	ALL	5
598588.95	4207277.07	0.00171	25.63	25.63	0	ANNUAL	ALL	5
598590.18	4207262.64	0.00179	25.42	25.42	0	ANNUAL	ALL	5
598591.42	4207248.21	0.00186	25.44	25.44	0	ANNUAL	ALL	5
598593.88	4207219.35	0.002	25.81	25.81	0	ANNUAL	ALL	5
598595.11	4207204.92	0.00206	26.1	26.1	0	ANNUAL	ALL	5
598596.34	4207190.49	0.00212	26.38	26.38	0	ANNUAL	ALL	5
598597.57	4207176.06	0.00218	26.66	26.66	0	ANNUAL	ALL	5
598598.8	4207161.63	0.00222	26.88	26.88	0	ANNUAL	ALL	5
598600.03	4207147.2	0.00227	26.89	26.89	0	ANNUAL	ALL	5
598601.26	4207132.77	0.0023	26.92	26.92	0	ANNUAL	ALL	5
598613.64	4207109.09	0.00248	27.07	27.07	0	ANNUAL	ALL	5
598624.78	4207099.84	0.00262	27.23	27.23	0	ANNUAL	ALL	5
598635.93	4207090.59	0.00277	27.36	27.36	0	ANNUAL	ALL	5
598647.07	4207081.35	0.00291	27.46	27.46	0	ANNUAL	ALL	5
598658.22	4207072.1	0.00305	27.56	27.56	0	ANNUAL	ALL	5
598669.36	4207062.85	0.00318	27.58	27.58	0	ANNUAL	ALL	5
598680.51	4207053.6	0.0033	27.52	27.52	0	ANNUAL	ALL	5
598691.65	4207044.35	0.00341	27.46	27.46	0	ANNUAL	ALL	5
598702.79	4207035.1	0.0035	27.41	27.41	0	ANNUAL	ALL	5
598713.94	4207025.85	0.00357	27.59	27.59	0	ANNUAL	ALL	5
598725.08	4207016.61	0.00361	27.96	27.96	0	ANNUAL	ALL	5
598736.23	4207007.36	0.00363	28.27	28.27	0	ANNUAL	ALL	5
598747.37	4206998.11	0.00363	28.46	28.46	0	ANNUAL	ALL	5
598758.52	4206988.86	0.00361	28.57	28.57	0	ANNUAL	ALL	5
598769.66	4206979.61	0.00357	28.59	28.59	0	ANNUAL	ALL	5
598780.81	4206970.36	0.00352	28.53	28.53	0	ANNUAL	ALL	5
598791.95	4206961.12	0.00344	28.5	28.5	0	ANNUAL	ALL	5
598803.09	4206951.87	0.00335	28.5	28.5	0	ANNUAL	ALL	5
598814.24	4206942.62	0.00325	28.57	28.57	0	ANNUAL	ALL	5
598577.87	4207406.93	0.00106	24.66	24.66	0	ANNUAL	ALL	5
598592.67	4207473.17	0.00086	24.54	24.54	0	ANNUAL	ALL	5
598598.52	4207483.63	0.00084	24.45	24.45	0	ANNUAL	ALL	5
598543.41	4207403.99	0.00094	25.45	25.45	0	ANNUAL	ALL	5
598544.64	4207389.56	0.00099	25.54	25.54	0	ANNUAL	ALL	5
598545.87	4207375.14	0.00104	25.63	25.63	0	ANNUAL	ALL	5
598547.1	4207360.71	0.0011	25.7	25.7	0	ANNUAL	ALL	5
598548.33	4207346.28	0.00116	25.79	25.79	0	ANNUAL	ALL	5
598549.56	4207331.85	0.00121	25.9	25.9	0	ANNUAL	ALL	5
598550.8	4207317.42	0.00127	26.03	26.03	0	ANNUAL	ALL	5
598554.49	4207274.13	0.00145	26.28	26.28	0	ANNUAL	ALL	5
598555.72	4207259.7	0.00151	26.08	26.08	0	ANNUAL	ALL	5
598556.95	4207245.27	0.00157	26.11	26.11	0	ANNUAL	ALL	5

598560.64	4207201.98	0.00172	26.81	26.81	0	ANNUAL	ALL	5
598561.87	4207187.55	0.00177	27.05	27.05	0	ANNUAL	ALL	5
598563.11	4207173.12	0.00182	27.21	27.21	0	ANNUAL	ALL	5
598564.34	4207158.69	0.00186	27.3	27.3	0	ANNUAL	ALL	5
598565.57	4207144.26	0.0019	27.27	27.27	0	ANNUAL	ALL	5
598566.8	4207129.83	0.00193	27.26	27.26	0	ANNUAL	ALL	5
598568.03	4207115.4	0.00196	27.29	27.29	0	ANNUAL	ALL	5
598580.4	4207091.72	0.00209	27.17	27.17	0	ANNUAL	ALL	5
598591.55	4207082.47	0.00221	27.17	27.17	0	ANNUAL	ALL	5
598602.69	4207073.22	0.00232	27.29	27.29	0	ANNUAL	ALL	5
598613.84	4207063.98	0.00243	27.46	27.46	0	ANNUAL	ALL	5
598624.98	4207054.73	0.00254	27.59	27.59	0	ANNUAL	ALL	5
598636.13	4207045.48	0.00265	27.7	27.7	0	ANNUAL	ALL	5
598647.27	4207036.23	0.00275	27.74	27.74	0	ANNUAL	ALL	5
598658.42	4207026.98	0.00284	27.72	27.72	0	ANNUAL	ALL	5
598669.56	4207017.73	0.00292	27.57	27.57	0	ANNUAL	ALL	5
598680.7	4207008.48	0.00299	27.43	27.43	0	ANNUAL	ALL	5
598691.85	4206999.24	0.00304	27.5	27.5	0	ANNUAL	ALL	5
598702.99	4206989.99	0.00307	27.59	27.59	0	ANNUAL	ALL	5
598714.14	4206980.74	0.00309	27.89	27.89	0	ANNUAL	ALL	5
598725.28	4206971.49	0.00309	28.08	28.08	0	ANNUAL	ALL	5
598736.43	4206962.24	0.00308	28.14	28.14	0	ANNUAL	ALL	5
598747.57	4206952.99	0.00306	28.12	28.12	0	ANNUAL	ALL	5
598758.72	4206943.75	0.00301	28.17	28.17	0	ANNUAL	ALL	5
598769.86	4206934.5	0.00296	28.23	28.23	0	ANNUAL	ALL	5
598781	4206925.25	0.00289	28.27	28.27	0	ANNUAL	ALL	5
598792.15	4206916	0.00282	28.42	28.42	0	ANNUAL	ALL	5
598803.29	4206906.75	0.00273	28.7	28.7	0	ANNUAL	ALL	5
598541.15	4207467.67	0.00074	24.88	24.88	0	ANNUAL	ALL	5
598561.79	4207470.91	0.00078	24.72	24.72	0	ANNUAL	ALL	5
598566.26	4207484.8	0.00075	24.64	24.64	0	ANNUAL	ALL	5
598508.94	4207401.05	0.00083	26.11	26.11	0	ANNUAL	ALL	5
598510.17	4207386.62	0.00087	26.22	26.22	0	ANNUAL	ALL	5
598511.41	4207372.19	0.00092	26.34	26.34	0	ANNUAL	ALL	5
598512.64	4207357.77	0.00096	26.46	26.46	0	ANNUAL	ALL	5
598513.87	4207343.34	0.00101	26.51	26.51	0	ANNUAL	ALL	5
598515.1	4207328.91	0.00106	26.46	26.46	0	ANNUAL	ALL	5
598516.33	4207314.48	0.0011	26.48	26.48	0	ANNUAL	ALL	5
598517.56	4207300.05	0.00115	26.68	26.68	0	ANNUAL	ALL	5
598521.25	4207256.76	0.00129	26.89	26.89	0	ANNUAL	ALL	5
598522.48	4207242.33	0.00133	26.97	26.97	0	ANNUAL	ALL	5
598523.72	4207227.9	0.00138	27.05	27.05	0	ANNUAL	ALL	5
598526.18	4207199.04	0.00146	27.45	27.45	0	ANNUAL	ALL	5
598527.41	4207184.61	0.0015	27.54	27.54	0	ANNUAL	ALL	5
598528.64	4207170.18	0.00154	27.58	27.58	0	ANNUAL	ALL	5
598529.87	4207155.75	0.00157	27.62	27.62	0	ANNUAL	ALL	5
598531.1	4207141.32	0.00161	27.66	27.66	0	ANNUAL	ALL	5
598532.33	4207126.89	0.00164	27.68	27.68	0	ANNUAL	ALL	5
598533.56	4207112.46	0.00166	27.68	27.68	0	ANNUAL	ALL	5
598534.79	4207098.03	0.00168	27.7	27.7	0	ANNUAL	ALL	5
598547.17	4207074.35	0.00179	27.71	27.71	0	ANNUAL	ALL	5
598558.31	4207065.1	0.00188	27.66	27.66	0	ANNUAL	ALL	5
598569.46	4207055.85	0.00197	27.47	27.47	0	ANNUAL	ALL	5
598580.6	4207046.61	0.00206	27.32	27.32	0	ANNUAL	ALL	5
598591.75	4207037.36	0.00215	27.47	27.47	0	ANNUAL	ALL	5
598602.89	4207028.11	0.00224	27.66	27.66	0	ANNUAL	ALL	5
598614.04	4207018.86	0.00232	27.76	27.76	0	ANNUAL	ALL	5
598625.18	4207009.61	0.0024	27.85	27.85	0	ANNUAL	ALL	5
598636.33	4207000.36	0.00246	28	28	0	ANNUAL	ALL	5
598647.47	4206991.11	0.00252	28.07	28.07	0	ANNUAL	ALL	5
598658.61	4206981.87	0.00257	28.09	28.09	0	ANNUAL	ALL	5
598669.76	4206972.62	0.00262	27.9	27.9	0	ANNUAL	ALL	5
598680.9	4206963.37	0.00265	27.65	27.65	0	ANNUAL	ALL	5
598692.05	4206954.12	0.00266	27.64	27.64	0	ANNUAL	ALL	5
598703.19	4206944.87	0.00267	27.65	27.65	0	ANNUAL	ALL	5
598714.34	4206935.62	0.00266	27.78	27.78	0	ANNUAL	ALL	5

598725.48	4206926.38	0.00264	27.91	27.91	0	ANNUAL	ALL	5
598736.63	4206917.13	0.00261	28.01	28.01	0	ANNUAL	ALL	5
598747.77	4206907.88	0.00257	28.13	28.13	0	ANNUAL	ALL	5
598758.91	4206898.63	0.00252	28.27	28.27	0	ANNUAL	ALL	5
598770.06	4206889.38	0.00246	28.43	28.43	0	ANNUAL	ALL	5
598781.2	4206880.13	0.0024	28.66	28.66	0	ANNUAL	ALL	5
598792.35	4206870.88	0.00234	29.02	29.02	0	ANNUAL	ALL	5
598512.33	4207465.27	0.00068	25.17	25.17	0	ANNUAL	ALL	5
598515.08	4207475.72	0.00066	25.01	25.01	0	ANNUAL	ALL	5
598536.06	4207482.05	0.00069	24.83	24.83	0	ANNUAL	ALL	5
598540.53	4207495.95	0.00066	24.75	24.75	0	ANNUAL	ALL	5
598962.42	4207402.07	0.02155	22.96	22.96	0	ANNUAL	ALL	5
598943.3	4207399.97	0.01615	23.04	23.04	0	ANNUAL	ALL	5
598976.41	4207400.63	0.03043	22.94	22.94	0	ANNUAL	ALL	5
598965.58	4207415.74	0.0167	22.75	22.75	0	ANNUAL	ALL	5
598951.41	4207414.19	0.01374	22.81	22.81	0	ANNUAL	ALL	5
598937.25	4207412.63	0.01163	22.88	22.88	0	ANNUAL	ALL	5
598980.27	4207414.38	0.02252	22.78	22.78	0	ANNUAL	ALL	5
598968.94	4207429.44	0.0134	22.69	22.69	0	ANNUAL	ALL	5
598953.76	4207427.78	0.01115	22.76	22.76	0	ANNUAL	ALL	5
598938.59	4207426.11	0.00947	22.82	22.82	0	ANNUAL	ALL	5
598918.53	4207418.58	0.00857	22.9	22.9	0	ANNUAL	ALL	5
598984.14	4207428.13	0.01742	22.71	22.71	0	ANNUAL	ALL	5
598973.31	4207443.25	0.01113	22.64	22.64	0	ANNUAL	ALL	5
598959.14	4207441.69	0.00955	22.71	22.71	0	ANNUAL	ALL	5
598944.98	4207440.14	0.00828	22.79	22.79	0	ANNUAL	ALL	5
598930.82	4207438.58	0.00727	22.83	22.83	0	ANNUAL	ALL	5
598912.09	4207431.56	0.00671	22.95	22.95	0	ANNUAL	ALL	5
598902.97	4207420.61	0.00724	23.09	23.09	0	ANNUAL	ALL	5
598988	4207441.89	0.01389	22.63	22.63	0	ANNUAL	ALL	5
598976.82	4207456.96	0.00929	22.54	22.54	0	ANNUAL	ALL	5
598961.95	4207455.33	0.00806	22.62	22.62	0	ANNUAL	ALL	5
598947.08	4207453.7	0.00703	22.71	22.71	0	ANNUAL	ALL	5
598932.2	4207452.06	0.00619	22.78	22.78	0	ANNUAL	ALL	5
598917.33	4207450.43	0.00553	22.84	22.84	0	ANNUAL	ALL	5
598905.11	4207443.87	0.00542	22.98	22.98	0	ANNUAL	ALL	5
598895.53	4207432.37	0.00582	23.12	23.12	0	ANNUAL	ALL	5
598885.95	4207420.88	0.00634	23.27	23.27	0	ANNUAL	ALL	5
598991.87	4207455.64	0.01134	22.51	22.51	0	ANNUAL	ALL	5
598982.23	4207476.22	0.00743	22.36	22.36	0	ANNUAL	ALL	5
598967.36	4207474.59	0.00657	22.46	22.46	0	ANNUAL	ALL	5
598952.49	4207472.95	0.00582	22.53	22.53	0	ANNUAL	ALL	5
598937.62	4207471.32	0.00518	22.59	22.59	0	ANNUAL	ALL	5
598922.74	4207469.69	0.00465	22.64	22.64	0	ANNUAL	ALL	5
598907.87	4207468.05	0.00422	22.76	22.76	0	ANNUAL	ALL	5
598895.65	4207461.49	0.00415	22.93	22.93	0	ANNUAL	ALL	5
598886.07	4207450	0.0044	23.04	23.04	0	ANNUAL	ALL	5
598876.49	4207438.5	0.00472	23.17	23.17	0	ANNUAL	ALL	5
598866.92	4207427.01	0.00514	23.35	23.35	0	ANNUAL	ALL	5
598997.28	4207474.89	0.0088	22.32	22.32	0	ANNUAL	ALL	5
598987.64	4207495.47	0.00606	22.17	22.17	0	ANNUAL	ALL	5
598972.77	4207493.84	0.00545	22.31	22.31	0	ANNUAL	ALL	5
598957.9	4207492.21	0.0049	22.44	22.44	0	ANNUAL	ALL	5
598943.03	4207490.57	0.00441	22.54	22.54	0	ANNUAL	ALL	5
598928.15	4207488.94	0.00399	22.55	22.55	0	ANNUAL	ALL	5
598913.28	4207487.31	0.00363	22.62	22.62	0	ANNUAL	ALL	5
598898.41	4207485.67	0.00333	22.77	22.77	0	ANNUAL	ALL	5
598886.19	4207479.11	0.00328	22.82	22.82	0	ANNUAL	ALL	5
598876.61	4207467.62	0.00345	22.92	22.92	0	ANNUAL	ALL	5
598867.03	4207456.12	0.00365	23.03	23.03	0	ANNUAL	ALL	5
598857.45	4207444.63	0.0039	23.17	23.17	0	ANNUAL	ALL	5
598847.88	4207433.14	0.00423	23.36	23.36	0	ANNUAL	ALL	5
599002.69	4207494.15	0.00703	22.19	22.19	0	ANNUAL	ALL	5
598993.05	4207514.73	0.00504	22.01	22.01	0	ANNUAL	ALL	5
598978.18	4207513.09	0.00459	22.15	22.15	0	ANNUAL	ALL	5
598963.31	4207511.46	0.00418	22.31	22.31	0	ANNUAL	ALL	5

598948.44	4207509.83	0.0038	22.49	22.49	0	ANNUAL	ALL	5
598933.57	4207508.19	0.00346	22.57	22.57	0	ANNUAL	ALL	5
598918.69	4207506.56	0.00316	22.56	22.56	0	ANNUAL	ALL	5
598903.82	4207504.93	0.00291	22.72	22.72	0	ANNUAL	ALL	5
598888.95	4207503.29	0.0027	22.81	22.81	0	ANNUAL	ALL	5
598876.73	4207496.73	0.00266	22.8	22.8	0	ANNUAL	ALL	5
598867.15	4207485.24	0.00278	22.82	22.82	0	ANNUAL	ALL	5
598857.57	4207473.74	0.00291	22.85	22.85	0	ANNUAL	ALL	5
598847.99	4207462.25	0.00307	22.97	22.97	0	ANNUAL	ALL	5
598838.42	4207450.76	0.00325	23.2	23.2	0	ANNUAL	ALL	5
598828.84	4207439.26	0.00349	23.44	23.44	0	ANNUAL	ALL	5
599008.1	4207513.4	0.00574	22.08	22.08	0	ANNUAL	ALL	5
598998.46	4207533.98	0.00425	21.96	21.96	0	ANNUAL	ALL	5
598983.59	4207532.35	0.00392	22.04	22.04	0	ANNUAL	ALL	5
598968.72	4207530.71	0.0036	22.17	22.17	0	ANNUAL	ALL	5
598953.85	4207529.08	0.0033	22.23	22.23	0	ANNUAL	ALL	5
598857.69	4207502.86	0.00229	22.68	22.68	0	ANNUAL	ALL	5
598848.11	4207491.37	0.00238	22.68	22.68	0	ANNUAL	ALL	5
598838.53	4207479.87	0.00249	22.83	22.83	0	ANNUAL	ALL	5
598828.96	4207468.38	0.0026	23.06	23.06	0	ANNUAL	ALL	5
598819.38	4207456.89	0.00272	23.3	23.3	0	ANNUAL	ALL	5
598809.8	4207445.39	0.00285	23.55	23.55	0	ANNUAL	ALL	5
599013.51	4207532.66	0.00477	21.94	21.94	0	ANNUAL	ALL	5
599003.48	4207553.19	0.00362	21.72	21.72	0	ANNUAL	ALL	5
598987.83	4207551.47	0.00336	21.83	21.83	0	ANNUAL	ALL	5
598878.25	4207539.44	0.00194	22.29	22.29	0	ANNUAL	ALL	5
598857.55	4207531.67	0.00186	22.51	22.51	0	ANNUAL	ALL	5
598827.31	4207495.38	0.00208	22.79	22.79	0	ANNUAL	ALL	5
598817.23	4207483.28	0.00216	23	23	0	ANNUAL	ALL	5
598807.15	4207471.18	0.00224	23.23	23.23	0	ANNUAL	ALL	5
598797.06	4207459.08	0.00233	23.49	23.49	0	ANNUAL	ALL	5
598786.98	4207446.98	0.00241	23.69	23.69	0	ANNUAL	ALL	5
599018.92	4207551.91	0.00402	21.67	21.67	0	ANNUAL	ALL	5
599008.93	4207572.45	0.00313	21.39	21.39	0	ANNUAL	ALL	5
598884.29	4207558.76	0.00175	21.96	21.96	0	ANNUAL	ALL	5
598868.71	4207557.05	0.00165	22.19	22.19	0	ANNUAL	ALL	5
598848.12	4207549.32	0.00159	22.43	22.43	0	ANNUAL	ALL	5
598838.08	4207537.28	0.00164	22.6	22.6	0	ANNUAL	ALL	5
598807.98	4207501.16	0.00182	22.87	22.87	0	ANNUAL	ALL	5
598797.95	4207489.12	0.00188	23.08	23.08	0	ANNUAL	ALL	5
598787.92	4207477.08	0.00194	23.25	23.25	0	ANNUAL	ALL	5
599024.33	4207571.17	0.00343	21.35	21.35	0	ANNUAL	ALL	5
598967.82	4207586.6	0.00225	21.32	21.32	0	ANNUAL	ALL	5
598952.3	4207584.89	0.0021	21.38	21.38	0	ANNUAL	ALL	5
598936.78	4207583.19	0.00196	21.44	21.44	0	ANNUAL	ALL	5
598921.26	4207581.48	0.00182	21.49	21.49	0	ANNUAL	ALL	5
598905.75	4207579.78	0.0017	21.55	21.55	0	ANNUAL	ALL	5
598890.23	4207578.07	0.0016	21.66	21.66	0	ANNUAL	ALL	5
598874.71	4207576.37	0.0015	21.93	21.93	0	ANNUAL	ALL	5
598859.19	4207574.67	0.00142	22.11	22.11	0	ANNUAL	ALL	5
598838.68	4207566.97	0.00137	22.26	22.26	0	ANNUAL	ALL	5
598828.68	4207554.97	0.00142	22.39	22.39	0	ANNUAL	ALL	5
598818.69	4207542.98	0.00146	22.56	22.56	0	ANNUAL	ALL	5
598758.72	4207471.02	0.00174	23.4	23.4	0	ANNUAL	ALL	5
598748.73	4207459.03	0.00178	23.4	23.4	0	ANNUAL	ALL	5
599029.75	4207590.42	0.00297	21.2	21.2	0	ANNUAL	ALL	5
598927.01	4207600.77	0.00166	21.33	21.33	0	ANNUAL	ALL	5
598911.54	4207599.08	0.00155	21.41	21.41	0	ANNUAL	ALL	5
598896.08	4207597.38	0.00146	21.49	21.49	0	ANNUAL	ALL	5
598739.59	4207477.03	0.00153	23.54	23.54	0	ANNUAL	ALL	5
598729.63	4207465.08	0.00157	23.79	23.79	0	ANNUAL	ALL	5
599025.24	4207630.22	0.00212	20.81	20.81	0	ANNUAL	ALL	5
599009.82	4207628.53	0.00202	20.79	20.79	0	ANNUAL	ALL	5
598750.26	4207518.81	0.00127	23.05	23.05	0	ANNUAL	ALL	5
598740.33	4207506.89	0.0013	23.15	23.15	0	ANNUAL	ALL	5
599030.67	4207649.48	0.00189	20.59	20.59	0	ANNUAL	ALL	5

599015.29	4207647.79	0.0018	20.58	20.58	0	ANNUAL	ALL	5
598892.21	4207634.27	0.00117	21.21	21.21	0	ANNUAL	ALL	5
598876.83	4207632.58	0.00111	21.33	21.33	0	ANNUAL	ALL	5
598750.89	4207548.54	0.00109	22.89	22.89	0	ANNUAL	ALL	5
598740.98	4207536.65	0.00111	23.26	23.26	0	ANNUAL	ALL	5
598731.08	4207524.76	0.00114	23.32	23.32	0	ANNUAL	ALL	5
598721.17	4207512.87	0.00116	23.44	23.44	0	ANNUAL	ALL	5
598711.26	4207500.98	0.00118	23.6	23.6	0	ANNUAL	ALL	5
598679.41	4207486.49	0.00112	24	24	0	ANNUAL	ALL	5
599045.98	4207648.18	0.00201	20.61	20.61	0	ANNUAL	ALL	5
598962.24	4207676.95	0.00124	20.58	20.58	0	ANNUAL	ALL	5
598946.56	4207675.23	0.00118	20.69	20.69	0	ANNUAL	ALL	5
598930.87	4207673.51	0.00112	20.81	20.81	0	ANNUAL	ALL	5
598915.19	4207671.78	0.00106	20.94	20.94	0	ANNUAL	ALL	5
598899.5	4207670.06	0.00101	21.19	21.19	0	ANNUAL	ALL	5
598883.82	4207668.34	0.00096	21.34	21.34	0	ANNUAL	ALL	5
598836.77	4207663.17	0.00084	21.27	21.27	0	ANNUAL	ALL	5
598821.08	4207661.45	0.00081	21.17	21.17	0	ANNUAL	ALL	5
598805.4	4207659.73	0.00078	21.38	21.38	0	ANNUAL	ALL	5
598792.5	4207652.8	0.00077	21.57	21.57	0	ANNUAL	ALL	5
598782.4	4207640.68	0.00079	21.79	21.79	0	ANNUAL	ALL	5
598772.3	4207628.56	0.00081	22.02	22.02	0	ANNUAL	ALL	5
598762.2	4207616.44	0.00083	21.94	21.94	0	ANNUAL	ALL	5
598711.69	4207555.83	0.00091	23.01	23.01	0	ANNUAL	ALL	5
598701.59	4207543.71	0.00093	23.43	23.43	0	ANNUAL	ALL	5
598691.49	4207531.59	0.00095	23.75	23.75	0	ANNUAL	ALL	5
598681.39	4207519.46	0.00096	23.82	23.82	0	ANNUAL	ALL	5
598671.29	4207507.34	0.00098	23.86	23.86	0	ANNUAL	ALL	5
598661.18	4207495.22	0.001	24.01	24.01	0	ANNUAL	ALL	5
598651.08	4207483.1	0.00102	24.18	24.18	0	ANNUAL	ALL	5
598973.45	4207713.17	0.00107	20.32	20.32	0	ANNUAL	ALL	5
598957.96	4207711.47	0.00103	20.46	20.46	0	ANNUAL	ALL	5
598942.47	4207709.77	0.00098	20.55	20.55	0	ANNUAL	ALL	5
598926.98	4207708.06	0.00093	20.76	20.76	0	ANNUAL	ALL	5
598911.49	4207706.36	0.00089	21	21	0	ANNUAL	ALL	5
598896	4207704.66	0.00085	21.3	21.3	0	ANNUAL	ALL	5
598880.51	4207702.96	0.00081	21.42	21.42	0	ANNUAL	ALL	5
598865.02	4207701.26	0.00078	21.45	21.45	0	ANNUAL	ALL	5
598849.53	4207699.56	0.00075	21.35	21.35	0	ANNUAL	ALL	5
598834.03	4207697.86	0.00072	21.08	21.08	0	ANNUAL	ALL	5
598818.54	4207696.16	0.00069	20.71	20.71	0	ANNUAL	ALL	5
598803.05	4207694.46	0.00067	20.97	20.97	0	ANNUAL	ALL	5
598787.56	4207692.75	0.00065	21.14	21.14	0	ANNUAL	ALL	5
598774.83	4207685.92	0.00065	21.34	21.34	0	ANNUAL	ALL	5
598764.85	4207673.95	0.00066	21.65	21.65	0	ANNUAL	ALL	5
598754.87	4207661.97	0.00067	21.91	21.91	0	ANNUAL	ALL	5
598744.9	4207650	0.00069	21.9	21.9	0	ANNUAL	ALL	5
598734.92	4207638.03	0.0007	21.74	21.74	0	ANNUAL	ALL	5
598675.06	4207566.2	0.00077	23.06	23.06	0	ANNUAL	ALL	5
598665.08	4207554.22	0.00078	23.45	23.45	0	ANNUAL	ALL	5
598655.11	4207542.25	0.0008	23.8	23.8	0	ANNUAL	ALL	5
598645.13	4207530.28	0.00081	24.03	24.03	0	ANNUAL	ALL	5
598635.15	4207518.31	0.00082	24.13	24.13	0	ANNUAL	ALL	5
598625.18	4207506.34	0.00084	24.2	24.2	0	ANNUAL	ALL	5
598615.2	4207494.36	0.00085	24.3	24.3	0	ANNUAL	ALL	5
598984.45	4207749.36	0.00093	20.1	20.1	0	ANNUAL	ALL	5
598969.11	4207747.68	0.0009	20.16	20.16	0	ANNUAL	ALL	5
598953.78	4207746	0.00086	20.22	20.22	0	ANNUAL	ALL	5
598938.44	4207744.31	0.00083	20.31	20.31	0	ANNUAL	ALL	5
598923.11	4207742.63	0.00079	20.66	20.66	0	ANNUAL	ALL	5
598907.77	4207740.94	0.00076	20.96	20.96	0	ANNUAL	ALL	5
598892.43	4207739.26	0.00073	21.23	21.23	0	ANNUAL	ALL	5
598877.1	4207737.57	0.0007	21.32	21.32	0	ANNUAL	ALL	5
598861.76	4207735.89	0.00067	21.27	21.27	0	ANNUAL	ALL	5
598846.43	4207734.21	0.00064	20.99	20.99	0	ANNUAL	ALL	5
598831.09	4207732.52	0.00062	20.72	20.72	0	ANNUAL	ALL	5

598815.75	4207730.84	0.0006	20.52	20.52	0	ANNUAL	ALL	5
598800.42	4207729.15	0.00058	20.76	20.76	0	ANNUAL	ALL	5
598785.08	4207727.47	0.00057	20.82	20.82	0	ANNUAL	ALL	5
598769.74	4207725.78	0.00055	20.76	20.76	0	ANNUAL	ALL	5
598697.88	4207647.9	0.00061	21.62	21.62	0	ANNUAL	ALL	5
598638.62	4207576.79	0.00066	23.22	23.22	0	ANNUAL	ALL	5
598628.74	4207564.93	0.00067	23.4	23.4	0	ANNUAL	ALL	5
598618.86	4207553.08	0.00068	23.79	23.79	0	ANNUAL	ALL	5
598608.98	4207541.23	0.00069	24.15	24.15	0	ANNUAL	ALL	5
598599.11	4207529.38	0.0007	24.34	24.34	0	ANNUAL	ALL	5
598589.23	4207517.53	0.00071	24.42	24.42	0	ANNUAL	ALL	5
598579.35	4207505.67	0.00072	24.48	24.48	0	ANNUAL	ALL	5
599008.91	4207787.04	0.00084	19.87	19.87	0	ANNUAL	ALL	5
598993.35	4207785.33	0.00081	20.13	20.13	0	ANNUAL	ALL	5
598977.78	4207783.62	0.00079	20.15	20.15	0	ANNUAL	ALL	5
598962.22	4207781.91	0.00076	20.11	20.11	0	ANNUAL	ALL	5
598946.66	4207780.2	0.00073	20.25	20.25	0	ANNUAL	ALL	5
598931.1	4207778.49	0.0007	20.46	20.46	0	ANNUAL	ALL	5
598915.53	4207776.78	0.00067	20.74	20.74	0	ANNUAL	ALL	5
598899.97	4207775.07	0.00065	20.77	20.77	0	ANNUAL	ALL	5
598884.41	4207773.36	0.00062	20.79	20.79	0	ANNUAL	ALL	5
598868.84	4207771.65	0.0006	20.78	20.78	0	ANNUAL	ALL	5
598853.28	4207769.95	0.00057	20.48	20.48	0	ANNUAL	ALL	5
598837.72	4207768.24	0.00055	20.27	20.27	0	ANNUAL	ALL	5
598822.15	4207766.53	0.00054	20.38	20.38	0	ANNUAL	ALL	5
598806.59	4207764.82	0.00052	20.48	20.48	0	ANNUAL	ALL	5
598791.03	4207763.11	0.0005	20.56	20.56	0	ANNUAL	ALL	5
598775.46	4207761.4	0.00049	20.44	20.44	0	ANNUAL	ALL	5
598759.9	4207759.69	0.00048	20.38	20.38	0	ANNUAL	ALL	5
598739.33	4207751.97	0.00047	20.42	20.42	0	ANNUAL	ALL	5
598729.3	4207739.94	0.00048	20.66	20.66	0	ANNUAL	ALL	5
598719.28	4207727.91	0.00049	20.84	20.84	0	ANNUAL	ALL	5
598709.26	4207715.88	0.0005	21.1	21.1	0	ANNUAL	ALL	5
598699.23	4207703.86	0.00051	21.46	21.46	0	ANNUAL	ALL	5
598689.21	4207691.83	0.00051	21.75	21.75	0	ANNUAL	ALL	5
598679.19	4207679.8	0.00052	21.81	21.81	0	ANNUAL	ALL	5
598669.17	4207667.77	0.00053	21.82	21.82	0	ANNUAL	ALL	5
598659.14	4207655.75	0.00053	21.92	21.92	0	ANNUAL	ALL	5
598609.03	4207595.61	0.00056	23.15	23.15	0	ANNUAL	ALL	5
598599	4207583.58	0.00057	23.35	23.35	0	ANNUAL	ALL	5
598588.98	4207571.55	0.00058	23.64	23.64	0	ANNUAL	ALL	5
598578.96	4207559.52	0.00059	24.02	24.02	0	ANNUAL	ALL	5
598568.93	4207547.5	0.0006	24.36	24.36	0	ANNUAL	ALL	5
598558.91	4207535.47	0.0006	24.68	24.68	0	ANNUAL	ALL	5
598548.89	4207523.44	0.00061	24.73	24.73	0	ANNUAL	ALL	5
598538.86	4207511.41	0.00062	24.76	24.76	0	ANNUAL	ALL	5
599018.07	4207468.95	0.01205	22.47	22.47	0	ANNUAL	ALL	5
599023.62	4207488.17	0.00926	22.41	22.41	0	ANNUAL	ALL	5
599029.17	4207507.39	0.00733	22.31	22.31	0	ANNUAL	ALL	5
599034.71	4207526.6	0.00594	22.08	22.08	0	ANNUAL	ALL	5
599040.26	4207545.82	0.0049	21.76	21.76	0	ANNUAL	ALL	5
599045.8	4207565.03	0.00411	21.43	21.43	0	ANNUAL	ALL	5
599051.35	4207584.25	0.0035	21.23	21.23	0	ANNUAL	ALL	5
599067.99	4207641.9	0.00229	20.6	20.6	0	ANNUAL	ALL	5

** CONCUNIT ug/m^3
** DEPUNIT g/m^2

Project Health Risk Assessment

Mitigated Results

Blue Wave Carwash (Mitigated Construction)

Estimation of Annual Onsite Construction Emissions

Start of Construction	2/1/2022	
End of Construction	12/29/2022	**Total**
Number of Days	331	331
Number of Hours	7,944	7,944

Size of the construction area source: **5,586.0** **sq-meters**

Year	**On-site Construction Activity**		**Tier 4 Mitigated On-site DPM (tons)**
2022	Project Site	On-site Site Preparation	0.00106
2022	Project Site	On-site Grading	0.00030
2022	Project Site	On-site Paving	0.00014
2022	Project Site	On-site Building Construction	0.01830
2022	Project Site	On-site Architectural Coating	0.00002
2022	Off-site Improvements	On-site Grading	0.00002
2022	Off-site Improvements	On-site Paving	0.00003

Total Unmitigated DPM (On-site) 1.987E-02 tons

Average Emission	1.804E+04	grams
	6.309E-04	grams/sec
	1.129E-07	grams/m2-sec

Blue Wave Carwash (Mitigated Construction)

Mitigation only applies to on-site equipment

Estimation of Annual Offsite Construction DPM Emissions (No Mitigation - PM2.5 Total)

	Start of Construction		2/1/2022					
	End of Construction		12/29/2022				**Total**	
	Number of Days		331				331	
	Number of Hours		7,944				7,944	
	Construction Trip Type	2022 Project Site Site Preparation	2022 Project Site Grading	2022 Project Site Paving	2022 Project Site Building Construction	2022 Project Site Architectural Coating	2022 Off-Site Improvements Grading	2022 Off-Site Improvements Paving
PM2.5 Total	Haul Truck	0	0.00123	0	0	0	0	0
PM2.5 Total	Vendor Truck	0	0	0	0.00194	0	0	0
PM2.5 Total	Worker	0.00059	0.00024	0.00008	0.00416	0.00005	0.00002	0.00003
PM2.5 Total	Total	0.00059	0.00147	0.00008	0.0061	0.00005	0.00002	0.00003

		Haul Truck (tons)	**Vendor Truck (tons)**	**Worker (tons)**	**Total (tons)**
Total DPM		1.230E-03	1.940E-03	5.170E-03	8.340E-03
Average Emissions	Grams	1.117E+03	1.762E+03	4.694E+03	
	Grams/sec	3.905E-05	6.160E-05	1.641E-04	
	Default Vehicle Travel Distance in CalEEMod	20	7.3	10.8	

Vehicle Travel Distances in the Construction HRA (miles)				
Road Segment 1 (mi)	0.12	0.12	0.12	miles
Road Segment 2 (mi)	0.31	0.31	0.31	miles
Trip Distribution (percent)				
Road Segment 1 (On-site)	100%	100%	100%	
Road Segment 2 (Off-site)	100%	100%	100%	
Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**
Road Segment 1 (On-site)	2.360E-07	1.020E-06	1.837E-06	3.093E-06
Road Segment 2 (Off-site)	6.024E-07	2.603E-06	4.689E-06	7.895E-06

Cancer Risk Calculations Using OEHHA Cancer Risk Assumptions
Blue Wave Carwash (Mitigated Construction)

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Infant

UTM: 598925.45 4207284.59

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Cancer Risk (/million)
3rd Trimester	0.03786	10	361	1	0.25	0.5
0-1	0.03786	10	1090	1	0.66	4.1
					Total	4.6

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Child

UTM: 598925.45 4207284.59

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
1	0.03786	3	572	1	0.91	0.9
					Total	0.9

Cancer Risk Impacts from Construction at the Maximum Impacted Sensitive Receptor - Adult

UTM: 598925.45 4207284.59

Cancer Potency Factor: 1.1 $(mg/kg\text{-}day)^{-1}$
Exposure Frequency 350 days/year
Averaging Period 25550 days

Construction Annual DPM Emissions (as PM2.5 Exhaust) Mitigated

Construction Year	Maximum DPM Concentration (ug/m3)	Age Sensitivity Factor	Daily Breathing Rate (L/kg-day)	Time At Home Factor	Exposure Duration (years)	Unit Risk Factor $(ug/m3)^{-1}$
1	0.03786	1	261	0.73	0.91	0.1
					Total	0.1

Blue Wave Carwash (Mitigated Construction)

UTM: 598925.45 4207284.59

Estimates of Chronic Non-Cancer Hazard Index (CNCHI)

Mitigated

Chronic Non-Cancer Hazard Index at the Maximum Impacted Sensitive Receptor

Reference Exposure Level (REL) for DPM: 5 ug/m3

CNCHI = DPM/REL

X (m)	Y (m)	Average DPM (ug/m3)	Max DPM (ug/m3)	CNCHI
598925.45	4207284.59	0.0379	0.0379	0.01

Blue Wave Carwash Project - Mitigated Construction

Maximum	0.03786		
		UTM	
		X	Y
		598925.45	4207284.59

* AERMOD (19191): C:\Users\kjohnson\OneDrive- ADEC Solutions USA, Inc\Documents 1\Kimber 11/19/2021
* AERMET (14134): 12:52:00 PM
* MODELING OPTIONS USED: Reg DFAULT CONC ELEV URBAN
* PLOT FILE OF ANNUAL VALUES AVERAGED ACROSS 5 YEARS FOR SOURCE GROUP: ALL
* FOR A TOTAL OF 1095 RECEPTORS.
* FORMAT: (3(1X,F13.5),3(1X,F8.2),2X,A6,2X,A8,2X,I8.8,2X,A8)

* X	Y	AVERAGE CONC	ZELEV	ZHILL	ZFLAG	AVE	GRP	NUM YRS	NET ID
599009.27	4207391.2	0.02745	22.85	22.85	0	ANNUAL	ALL	5	
599013.3	4207404.91	0.01849	22.8	22.8	0	ANNUAL	ALL	5	
599017.33	4207418.61	0.01311	22.76	22.76	0	ANNUAL	ALL	5	
599021.36	4207432.32	0.0097	22.73	22.73	0	ANNUAL	ALL	5	
599025.39	4207446.02	0.00744	22.74	22.74	0	ANNUAL	ALL	5	
599031.04	4207465.21	0.00537	22.7	22.7	0	ANNUAL	ALL	5	
599036.68	4207484.4	0.00404	22.66	22.66	0	ANNUAL	ALL	5	
599042.33	4207503.59	0.00314	22.51	22.51	0	ANNUAL	ALL	5	
599047.97	4207522.77	0.00251	22.15	22.15	0	ANNUAL	ALL	5	
599053.62	4207541.96	0.00204	21.68	21.68	0	ANNUAL	ALL	5	
599059.26	4207561.15	0.00169	21.39	21.39	0	ANNUAL	ALL	5	
599064.91	4207580.33	0.00143	21.19	21.19	0	ANNUAL	ALL	5	
599081.84	4207637.89	0.00091	20.47	20.47	0	ANNUAL	ALL	5	
599054.7	4207434.11	0.01204	22.91	22.91	0	ANNUAL	ALL	5	
599065.12	4207451.15	0.00903	23	23	0	ANNUAL	ALL	5	
599075.58	4207468.18	0.00699	23.02	23.02	0	ANNUAL	ALL	5	
599086.07	4207485.19	0.00556	22.88	22.88	0	ANNUAL	ALL	5	
599070.22	4207492.31	0.00456	22.77	22.77	0	ANNUAL	ALL	5	
599096.57	4207502.19	0.00451	22.46	22.46	0	ANNUAL	ALL	5	
599080.37	4207509.47	0.00374	22.36	22.36	0	ANNUAL	ALL	5	
599064.16	4207516.75	0.00304	22.23	22.23	0	ANNUAL	ALL	5	
599107.41	4207519.05	0.00374	22.05	22.05	0	ANNUAL	ALL	5	
599092.18	4207525.89	0.00317	21.91	21.91	0	ANNUAL	ALL	5	
599076.94	4207532.73	0.00265	21.77	21.77	0	ANNUAL	ALL	5	
599117.93	4207536.04	0.00314	21.68	21.68	0	ANNUAL	ALL	5	
599102.36	4207543.04	0.00268	21.52	21.52	0	ANNUAL	ALL	5	
599086.8	4207550.03	0.00226	21.43	21.43	0	ANNUAL	ALL	5	
599128.45	4207553.04	0.00267	21.55	21.55	0	ANNUAL	ALL	5	
599112.61	4207560.16	0.00229	21.37	21.37	0	ANNUAL	ALL	5	
599096.76	4207567.28	0.00195	21.25	21.25	0	ANNUAL	ALL	5	
599080.92	4207574.39	0.00165	21.17	21.17	0	ANNUAL	ALL	5	
599138.98	4207570.03	0.0023	21.48	21.48	0	ANNUAL	ALL	5	
599122.89	4207577.26	0.00198	21.27	21.27	0	ANNUAL	ALL	5	
599106.8	4207584.49	0.0017	21.1	21.1	0	ANNUAL	ALL	5	
599090.71	4207591.72	0.00145	20.96	20.96	0	ANNUAL	ALL	5	
599149.53	4207587.02	0.00199	21.22	21.22	0	ANNUAL	ALL	5	
599133.22	4207594.34	0.00173	21.05	21.05	0	ANNUAL	ALL	5	
599116.91	4207601.67	0.00149	20.92	20.92	0	ANNUAL	ALL	5	
599100.59	4207609	0.00128	20.77	20.77	0	ANNUAL	ALL	5	
599160.29	4207603.9	0.00175	20.86	20.86	0	ANNUAL	ALL	5	
599144.65	4207610.93	0.00153	20.7	20.7	0	ANNUAL	ALL	5	
599129.02	4207617.95	0.00134	20.56	20.56	0	ANNUAL	ALL	5	
599113.38	4207624.98	0.00117	20.47	20.47	0	ANNUAL	ALL	5	
599097.75	4207632	0.00103	20.4	20.4	0	ANNUAL	ALL	5	
599180.09	4207635.74	0.00139	19.8	19.8	0	ANNUAL	ALL	5	
599164.17	4207642.89	0.00123	19.8	19.8	0	ANNUAL	ALL	5	
599148.26	4207650.04	0.00108	19.8	19.8	0	ANNUAL	ALL	5	
599199.9	4207667.57	0.00112	19.21	19.21	0	ANNUAL	ALL	5	
599183.75	4207674.82	0.001	19.2	19.2	0	ANNUAL	ALL	5	
599070.24	4207423.42	0.01548	22.93	22.93	0	ANNUAL	ALL	5	
599086.67	4207433.71	0.01288	22.95	22.95	0	ANNUAL	ALL	5	
599139.41	4207287.6	0.0059	23.47	23.47	0	ANNUAL	ALL	5	
599135.22	4207274.18	0.00455	23.6	23.6	0	ANNUAL	ALL	5	
599093.41	4207452.33	0.00957	22.94	22.94	0	ANNUAL	ALL	5	

599158.5	4207281.64	0.00433	23.35	23.35	0	ANNUAL	ALL	5
599110.25	4207462.27	0.00834	22.82	22.82	0	ANNUAL	ALL	5
599177.6	4207275.68	0.0033	23.14	23.14	0	ANNUAL	ALL	5
599127.29	4207472.04	0.00733	22.75	22.75	0	ANNUAL	ALL	5
599116.96	4207480.92	0.00649	22.77	22.77	0	ANNUAL	ALL	5
599106.63	4207489.79	0.0056	22.66	22.66	0	ANNUAL	ALL	5
599144.46	4207481.7	0.00648	22.65	22.65	0	ANNUAL	ALL	5
599134.03	4207490.66	0.00582	22.55	22.55	0	ANNUAL	ALL	5
599123.6	4207499.62	0.00511	22.43	22.43	0	ANNUAL	ALL	5
599215.78	4207263.76	0.00208	22.85	22.85	0	ANNUAL	ALL	5
599211.59	4207250.35	0.00168	22.85	22.85	0	ANNUAL	ALL	5
599207.4	4207236.93	0.00136	22.86	22.86	0	ANNUAL	ALL	5
599203.21	4207223.51	0.00112	22.98	22.98	0	ANNUAL	ALL	5
599199.03	4207210.09	0.00094	23.08	23.08	0	ANNUAL	ALL	5
599151.22	4207500.3	0.00525	22.43	22.43	0	ANNUAL	ALL	5
599140.7	4207509.33	0.00468	22.29	22.29	0	ANNUAL	ALL	5
599130.18	4207518.37	0.00409	22.1	22.1	0	ANNUAL	ALL	5
599239.06	4207271.22	0.00209	22.47	22.47	0	ANNUAL	ALL	5
599234.87	4207257.8	0.00169	22.58	22.58	0	ANNUAL	ALL	5
599230.68	4207244.39	0.00138	22.75	22.75	0	ANNUAL	ALL	5
599226.49	4207230.97	0.00113	22.85	22.85	0	ANNUAL	ALL	5
599222.31	4207217.55	0.00094	22.97	22.97	0	ANNUAL	ALL	5
599218.12	4207204.13	0.0008	23.1	23.1	0	ANNUAL	ALL	5
599157.92	4207518.96	0.00428	22.23	22.23	0	ANNUAL	ALL	5
599147.32	4207528.06	0.0038	22.03	22.03	0	ANNUAL	ALL	5
599136.73	4207537.16	0.00332	21.79	21.79	0	ANNUAL	ALL	5
599258.15	4207265.26	0.00169	22.14	22.14	0	ANNUAL	ALL	5
599253.96	4207251.85	0.00138	22.4	22.4	0	ANNUAL	ALL	5
599249.77	4207238.43	0.00114	22.66	22.66	0	ANNUAL	ALL	5
599245.59	4207225.01	0.00095	22.87	22.87	0	ANNUAL	ALL	5
599241.4	4207211.59	0.0008	23.01	23.01	0	ANNUAL	ALL	5
599237.21	4207198.17	0.00069	23	23	0	ANNUAL	ALL	5
599164.56	4207537.66	0.00353	22.06	22.06	0	ANNUAL	ALL	5
599153.9	4207546.81	0.00312	21.84	21.84	0	ANNUAL	ALL	5
599143.24	4207555.97	0.00273	21.64	21.64	0	ANNUAL	ALL	5
599277.24	4207259.3	0.00134	21.85	21.85	0	ANNUAL	ALL	5
599273.05	4207245.89	0.00113	22.16	22.16	0	ANNUAL	ALL	5
599268.87	4207232.47	0.00095	22.48	22.48	0	ANNUAL	ALL	5
599264.68	4207219.05	0.0008	22.81	22.81	0	ANNUAL	ALL	5
599260.49	4207205.63	0.00069	23.07	23.07	0	ANNUAL	ALL	5
599256.3	4207192.21	0.00059	23.01	23.01	0	ANNUAL	ALL	5
599290.69	4207319.3	0.00253	21.05	21.05	0	ANNUAL	ALL	5
599167.81	4207559.27	0.00282	21.76	21.76	0	ANNUAL	ALL	5
599292.15	4207239.93	0.00093	21.86	21.86	0	ANNUAL	ALL	5
599287.96	4207226.51	0.0008	22.22	22.22	0	ANNUAL	ALL	5
599283.77	4207213.09	0.00068	22.59	22.59	0	ANNUAL	ALL	5
599279.58	4207199.67	0.00059	22.87	22.87	0	ANNUAL	ALL	5
599275.39	4207186.26	0.00052	22.94	22.94	0	ANNUAL	ALL	5
599309.73	4207313.89	0.00207	20.76	20.76	0	ANNUAL	ALL	5
599184.68	4207569.19	0.00265	21.61	21.61	0	ANNUAL	ALL	5
599174.55	4207577.88	0.00237	21.43	21.43	0	ANNUAL	ALL	5
599311.24	4207233.97	0.00079	21.58	21.58	0	ANNUAL	ALL	5
599307.05	4207220.55	0.00068	21.92	21.92	0	ANNUAL	ALL	5
599302.86	4207207.13	0.00059	22.28	22.28	0	ANNUAL	ALL	5
599298.67	4207193.72	0.00052	22.54	22.54	0	ANNUAL	ALL	5
599294.49	4207180.3	0.00045	22.75	22.75	0	ANNUAL	ALL	5
599350.08	4207249.6	0.0008	20.89	20.89	0	ANNUAL	ALL	5
599344.35	4207316.55	0.00166	20.16	20.16	0	ANNUAL	ALL	5
599343.2	4207329.93	0.00188	20.29	20.29	0	ANNUAL	ALL	5
599258.1	4207551.89	0.00311	21.88	21.88	0	ANNUAL	ALL	5
599196.94	4207604.42	0.00194	20.71	20.71	0	ANNUAL	ALL	5
599176.55	4207621.93	0.00155	20.24	20.24	0	ANNUAL	ALL	5
599351.22	4207236.21	0.00068	21.11	21.11	0	ANNUAL	ALL	5
599347.03	4207222.8	0.0006	21.26	21.26	0	ANNUAL	ALL	5
599342.85	4207209.38	0.00052	21.41	21.41	0	ANNUAL	ALL	5
599338.66	4207195.96	0.00046	21.61	21.61	0	ANNUAL	ALL	5
599334.47	4207182.54	0.00041	21.88	21.88	0	ANNUAL	ALL	5
599330.28	4207169.12	0.00036	22.12	22.12	0	ANNUAL	ALL	5
599385.87	4207238.5	0.00061	20.58	20.58	0	ANNUAL	ALL	5
599384.72	4207251.96	0.0007	20.41	20.41	0	ANNUAL	ALL	5
599352.59	4207516.49	0.00279	21.24	21.24	0	ANNUAL	ALL	5

599219.37	4207630.91	0.00162	19.85	19.85	0	ANNUAL	ALL	5
599198.87	4207648.52	0.00132	19.49	19.49	0	ANNUAL	ALL	5
599188.63	4207657.32	0.00118	19.37	19.37	0	ANNUAL	ALL	5
599387.02	4207225.04	0.00053	20.72	20.72	0	ANNUAL	ALL	5
599382.83	4207211.62	0.00047	20.9	20.9	0	ANNUAL	ALL	5
599378.64	4207198.21	0.00041	21.09	21.09	0	ANNUAL	ALL	5
599374.45	4207184.79	0.00037	21.28	21.28	0	ANNUAL	ALL	5
599370.27	4207171.37	0.00033	21.47	21.47	0	ANNUAL	ALL	5
599366.08	4207157.95	0.0003	21.64	21.64	0	ANNUAL	ALL	5
599421.66	4207227.39	0.00048	20.36	20.36	0	ANNUAL	ALL	5
599420.5	4207240.9	0.00055	20.32	20.32	0	ANNUAL	ALL	5
599419.35	4207254.42	0.00063	20.15	20.15	0	ANNUAL	ALL	5
599418.19	4207267.94	0.00072	19.99	19.99	0	ANNUAL	ALL	5
599417.03	4207281.46	0.00082	19.87	19.87	0	ANNUAL	ALL	5
599375.63	4207542.46	0.00241	20.81	20.81	0	ANNUAL	ALL	5
599365.34	4207551.3	0.00243	20.88	20.88	0	ANNUAL	ALL	5
599344.75	4207568.98	0.0024	20.72	20.72	0	ANNUAL	ALL	5
599334.46	4207577.82	0.00236	20.52	20.52	0	ANNUAL	ALL	5
599313.88	4207595.5	0.00221	20.33	20.33	0	ANNUAL	ALL	5
599303.58	4207604.34	0.00212	20.23	20.23	0	ANNUAL	ALL	5
599252.12	4207648.54	0.0015	19.51	19.51	0	ANNUAL	ALL	5
599241.83	4207657.38	0.00137	19.42	19.42	0	ANNUAL	ALL	5
599221.25	4207675.06	0.00113	19.23	19.23	0	ANNUAL	ALL	5
599210.95	4207683.9	0.00102	19.18	19.18	0	ANNUAL	ALL	5
599422.82	4207213.87	0.00042	20.33	20.33	0	ANNUAL	ALL	5
599418.63	4207200.45	0.00037	20.4	20.4	0	ANNUAL	ALL	5
599414.44	4207187.03	0.00034	20.51	20.51	0	ANNUAL	ALL	5
599410.25	4207173.61	0.0003	20.62	20.62	0	ANNUAL	ALL	5
599406.06	4207160.2	0.00027	20.84	20.84	0	ANNUAL	ALL	5
599401.88	4207146.78	0.00025	21.04	21.04	0	ANNUAL	ALL	5
599457.45	4207216.26	0.00039	20.06	20.06	0	ANNUAL	ALL	5
599456.29	4207229.83	0.00044	20.15	20.15	0	ANNUAL	ALL	5
599455.13	4207243.4	0.0005	20.13	20.13	0	ANNUAL	ALL	5
599453.97	4207256.96	0.00056	19.96	19.96	0	ANNUAL	ALL	5
599452.81	4207270.53	0.00064	19.8	19.8	0	ANNUAL	ALL	5
599451.65	4207284.1	0.00072	19.7	19.7	0	ANNUAL	ALL	5
599450.49	4207297.67	0.00081	19.59	19.59	0	ANNUAL	ALL	5
599443.52	4207379.07	0.00143	18.46	18.46	0	ANNUAL	ALL	5
599442.36	4207392.64	0.00154	18.24	18.24	0	ANNUAL	ALL	5
599441.2	4207406.2	0.00164	18.3	18.3	0	ANNUAL	ALL	5
599440.04	4207419.77	0.00173	18.37	18.37	0	ANNUAL	ALL	5
599438.88	4207433.34	0.00181	18.53	18.53	0	ANNUAL	ALL	5
599437.72	4207446.9	0.00188	18.72	18.72	0	ANNUAL	ALL	5
599284.98	4207666.08	0.00138	18.82	18.82	0	ANNUAL	ALL	5
599274.65	4207674.96	0.00128	18.91	18.91	0	ANNUAL	ALL	5
599264.32	4207683.83	0.00118	19.06	19.06	0	ANNUAL	ALL	5
599458.61	4207202.7	0.00034	19.99	19.99	0	ANNUAL	ALL	5
599454.42	4207189.28	0.00031	20	20	0	ANNUAL	ALL	5
599450.24	4207175.86	0.00028	20.04	20.04	0	ANNUAL	ALL	5
599446.05	4207162.44	0.00025	20.36	20.36	0	ANNUAL	ALL	5
599441.86	4207149.02	0.00023	20.68	20.68	0	ANNUAL	ALL	5
599437.67	4207135.61	0.00021	20.85	20.85	0	ANNUAL	ALL	5
598925.45	4207284.59	0.03786	24.47	24.47	0	ANNUAL	ALL	5
599019.38	4207230.52	0.0092	24.43	24.43	0	ANNUAL	ALL	5
598987.56	4207246.08	0.0265	24.55	24.55	0	ANNUAL	ALL	5
598963.14	4207253.53	0.03624	24.61	24.61	0	ANNUAL	ALL	5
599006.44	4207229.72	0.01238	24.53	24.53	0	ANNUAL	ALL	5
598983.39	4207232.42	0.01929	24.68	24.68	0	ANNUAL	ALL	5
598958.97	4207239.87	0.02576	24.68	24.68	0	ANNUAL	ALL	5
599002.27	4207216.06	0.01027	24.59	24.59	0	ANNUAL	ALL	5
599023.96	4207218.12	0.00679	24.47	24.47	0	ANNUAL	ALL	5
599038.26	4207223.73	0.00519	24.47	24.47	0	ANNUAL	ALL	5
598979.22	4207218.75	0.01472	24.68	24.68	0	ANNUAL	ALL	5
598954.8	4207226.21	0.01903	24.71	24.71	0	ANNUAL	ALL	5
598998.1	4207202.39	0.00862	24.65	24.65	0	ANNUAL	ALL	5
599019.79	4207204.46	0.00614	24.51	24.51	0	ANNUAL	ALL	5
599048.44	4207214.9	0.00377	24.45	24.45	0	ANNUAL	ALL	5
598975.05	4207205.09	0.01163	24.65	24.65	0	ANNUAL	ALL	5
598950.63	4207212.54	0.01457	24.69	24.69	0	ANNUAL	ALL	5
598993.93	4207188.73	0.00731	24.75	24.75	0	ANNUAL	ALL	5
599015.62	4207190.8	0.00552	24.57	24.57	0	ANNUAL	ALL	5

599037.31	4207192.86	0.00381	24.5	24.5	0	ANNUAL	ALL	5
599055.11	4207202.27	0.00294	24.39	24.39	0	ANNUAL	ALL	5
599059.1	4207216.39	0.0031	24.35	24.35	0	ANNUAL	ALL	5
598970.88	4207191.42	0.00942	24.75	24.75	0	ANNUAL	ALL	5
598946.46	4207198.88	0.0115	24.71	24.71	0	ANNUAL	ALL	5
598991.57	4207175.24	0.00617	24.86	24.86	0	ANNUAL	ALL	5
599016.87	4207177.65	0.00461	24.59	24.59	0	ANNUAL	ALL	5
599042.17	4207180.06	0.0031	24.44	24.44	0	ANNUAL	ALL	5
599062.95	4207191.03	0.00234	24.29	24.29	0	ANNUAL	ALL	5
598966.71	4207177.76	0.00778	24.93	24.93	0	ANNUAL	ALL	5
598942.29	4207185.21	0.0093	24.93	24.93	0	ANNUAL	ALL	5
599030.01	4207160.33	0.00316	24.59	24.59	0	ANNUAL	ALL	5
599052.78	4207162.49	0.00226	24.36	24.36	0	ANNUAL	ALL	5
599111.42	4207191.49	0.00124	23.25	23.25	0	ANNUAL	ALL	5
599126.59	4207209.73	0.00133	23.13	23.13	0	ANNUAL	ALL	5
598955.03	4207139.5	0.00495	25.39	25.39	0	ANNUAL	ALL	5
598930.61	4207146.96	0.00565	25.37	25.37	0	ANNUAL	ALL	5
598906.19	4207154.41	0.00596	25.22	25.22	0	ANNUAL	ALL	5
598973.55	4207117.8	0.00359	25.24	25.24	0	ANNUAL	ALL	5
598997.84	4207120.12	0.00309	25.25	25.25	0	ANNUAL	ALL	5
599090.65	4207137.59	0.00113	24.16	24.16	0	ANNUAL	ALL	5
599106.25	4207156.35	0.00103	23.68	23.68	0	ANNUAL	ALL	5
599121.85	4207175.11	0.00099	23.14	23.14	0	ANNUAL	ALL	5
599137.45	4207193.87	0.00103	23.07	23.07	0	ANNUAL	ALL	5
598949.2	4207120.37	0.00409	25.31	25.31	0	ANNUAL	ALL	5
598924.77	4207127.83	0.00459	25.41	25.41	0	ANNUAL	ALL	5
598900.35	4207135.28	0.00484	25.3	25.3	0	ANNUAL	ALL	5
598967.99	4207098.7	0.00307	25.39	25.39	0	ANNUAL	ALL	5
598992.83	4207101.07	0.0027	25.3	25.3	0	ANNUAL	ALL	5
599017.67	4207103.43	0.00224	25.03	25.03	0	ANNUAL	ALL	5
599100.17	4207120.12	0.00093	24.34	24.34	0	ANNUAL	ALL	5
599116.12	4207139.3	0.00085	23.84	23.84	0	ANNUAL	ALL	5
599132.08	4207158.49	0.00081	23.33	23.33	0	ANNUAL	ALL	5
599148.03	4207177.68	0.00083	23.05	23.05	0	ANNUAL	ALL	5
599163.98	4207196.86	0.00092	23.1	23.1	0	ANNUAL	ALL	5
598943.36	4207101.24	0.00343	25.46	25.46	0	ANNUAL	ALL	5
598918.94	4207108.7	0.00381	25.4	25.4	0	ANNUAL	ALL	5
598894.51	4207116.15	0.004	25.57	25.57	0	ANNUAL	ALL	5
598962.38	4207079.59	0.00264	25.85	25.85	0	ANNUAL	ALL	5
598987.68	4207082	0.00237	25.45	25.45	0	ANNUAL	ALL	5
599012.98	4207084.41	0.00201	25.26	25.26	0	ANNUAL	ALL	5
599088.88	4207091.64	0.00092	25.19	25.19	0	ANNUAL	ALL	5
599109.66	4207102.61	0.00077	24.64	24.64	0	ANNUAL	ALL	5
599125.91	4207122.15	0.00071	24.04	24.04	0	ANNUAL	ALL	5
599142.16	4207141.7	0.00068	23.49	23.49	0	ANNUAL	ALL	5
599158.4	4207161.24	0.00069	23.14	23.14	0	ANNUAL	ALL	5
599174.65	4207180.78	0.00074	23.03	23.03	0	ANNUAL	ALL	5
598937.52	4207082.12	0.00291	26.11	26.11	0	ANNUAL	ALL	5
598913.1	4207089.57	0.0032	26.11	26.11	0	ANNUAL	ALL	5
598888.67	4207097.02	0.00336	26.13	26.13	0	ANNUAL	ALL	5
598955.82	4207060.4	0.0023	26.48	26.48	0	ANNUAL	ALL	5
598979.68	4207062.67	0.00212	26.12	26.12	0	ANNUAL	ALL	5
599003.53	4207064.94	0.00187	25.78	25.78	0	ANNUAL	ALL	5
599075.09	4207071.75	0.00098	25.73	25.73	0	ANNUAL	ALL	5
599098.95	4207074.02	0.00076	25.62	25.62	0	ANNUAL	ALL	5
599118.54	4207084.37	0.00065	25.1	25.1	0	ANNUAL	ALL	5
599133.86	4207102.79	0.00061	24.39	24.39	0	ANNUAL	ALL	5
599149.18	4207121.22	0.00058	23.88	23.88	0	ANNUAL	ALL	5
599164.5	4207139.65	0.00058	23.5	23.5	0	ANNUAL	ALL	5
599179.82	4207158.07	0.00059	23.15	23.15	0	ANNUAL	ALL	5
599195.14	4207176.5	0.00064	23.1	23.1	0	ANNUAL	ALL	5
598931.68	4207062.99	0.0025	26.66	26.66	0	ANNUAL	ALL	5
598907.26	4207070.44	0.00273	26.72	26.72	0	ANNUAL	ALL	5
598882.84	4207077.89	0.00286	26.79	26.79	0	ANNUAL	ALL	5
598950.2	4207041.29	0.00202	26.95	26.95	0	ANNUAL	ALL	5
598974.49	4207043.6	0.00188	26.77	26.77	0	ANNUAL	ALL	5
598998.78	4207045.91	0.00168	26.46	26.46	0	ANNUAL	ALL	5
599071.64	4207052.85	0.00093	26.06	26.06	0	ANNUAL	ALL	5
599095.93	4207055.16	0.00073	25.88	25.88	0	ANNUAL	ALL	5
599128.02	4207066.85	0.00056	25.29	25.29	0	ANNUAL	ALL	5
599143.62	4207085.61	0.00052	24.67	24.67	0	ANNUAL	ALL	5

599159.22	4207104.37	0.0005	24.18	24.18	0	ANNUAL	ALL	5
599174.81	4207123.13	0.00049	23.73	23.73	0	ANNUAL	ALL	5
599190.41	4207141.89	0.0005	23.12	23.12	0	ANNUAL	ALL	5
599206.01	4207160.65	0.00053	22.81	22.81	0	ANNUAL	ALL	5
599221.61	4207179.41	0.00059	22.83	22.83	0	ANNUAL	ALL	5
598925.85	4207043.86	0.00218	27.06	27.06	0	ANNUAL	ALL	5
598901.42	4207051.31	0.00235	27.01	27.01	0	ANNUAL	ALL	5
598877	4207058.76	0.00246	27	27	0	ANNUAL	ALL	5
598944.55	4207022.18	0.00179	27.15	27.15	0	ANNUAL	ALL	5
598969.22	4207024.52	0.00168	27.07	27.07	0	ANNUAL	ALL	5
598993.89	4207026.87	0.00152	26.85	26.85	0	ANNUAL	ALL	5
599067.89	4207033.92	0.00089	26.53	26.53	0	ANNUAL	ALL	5
599092.56	4207036.27	0.0007	26.32	26.32	0	ANNUAL	ALL	5
599117.23	4207038.62	0.00056	26.03	26.03	0	ANNUAL	ALL	5
599137.48	4207049.32	0.00048	25.41	25.41	0	ANNUAL	ALL	5
599153.33	4207068.37	0.00045	24.92	24.92	0	ANNUAL	ALL	5
599169.17	4207087.42	0.00044	24.5	24.5	0	ANNUAL	ALL	5
599185.01	4207106.48	0.00043	24.06	24.06	0	ANNUAL	ALL	5
599200.85	4207125.53	0.00043	23.3	23.3	0	ANNUAL	ALL	5
599216.7	4207144.58	0.00045	22.35	22.35	0	ANNUAL	ALL	5
599232.54	4207163.64	0.00049	22.66	22.66	0	ANNUAL	ALL	5
598920.01	4207024.73	0.00191	27.17	27.17	0	ANNUAL	ALL	5
598895.59	4207032.18	0.00206	27.13	27.13	0	ANNUAL	ALL	5
598871.16	4207039.64	0.00215	27.15	27.15	0	ANNUAL	ALL	5
598938.88	4207003.06	0.0016	27.41	27.41	0	ANNUAL	ALL	5
598963.89	4207005.44	0.00151	27.3	27.3	0	ANNUAL	ALL	5
598988.89	4207007.82	0.00138	27.18	27.18	0	ANNUAL	ALL	5
599063.9	4207014.96	0.00084	27.01	27.01	0	ANNUAL	ALL	5
599088.9	4207017.35	0.00068	26.87	26.87	0	ANNUAL	ALL	5
599113.9	4207019.73	0.00054	26.58	26.58	0	ANNUAL	ALL	5
599146.93	4207031.76	0.00042	25.75	25.75	0	ANNUAL	ALL	5
599162.99	4207051.07	0.00039	25.12	25.12	0	ANNUAL	ALL	5
599179.05	4207070.39	0.00038	24.87	24.87	0	ANNUAL	ALL	5
599195.11	4207089.7	0.00037	24.53	24.53	0	ANNUAL	ALL	5
599211.16	4207109.01	0.00038	23.64	23.64	0	ANNUAL	ALL	5
599227.22	4207128.32	0.00039	22.88	22.88	0	ANNUAL	ALL	5
599243.28	4207147.63	0.00041	22.73	22.73	0	ANNUAL	ALL	5
599259.34	4207166.94	0.00045	22.93	22.93	0	ANNUAL	ALL	5
598914.17	4207005.6	0.00169	27.42	27.42	0	ANNUAL	ALL	5
598889.75	4207013.05	0.00181	27.2	27.2	0	ANNUAL	ALL	5
598865.32	4207020.51	0.00189	27.22	27.22	0	ANNUAL	ALL	5
598933.2	4206983.95	0.00143	27.78	27.78	0	ANNUAL	ALL	5
598958.5	4206986.36	0.00136	27.55	27.55	0	ANNUAL	ALL	5
598983.8	4206988.77	0.00126	27.42	27.42	0	ANNUAL	ALL	5
599059.7	4206995.99	0.0008	27.37	27.37	0	ANNUAL	ALL	5
599085	4206998.4	0.00065	27.49	27.49	0	ANNUAL	ALL	5
599110.3	4207000.81	0.00052	27.44	27.44	0	ANNUAL	ALL	5
599135.6	4207003.22	0.00042	27.1	27.1	0	ANNUAL	ALL	5
599156.37	4207014.19	0.00037	26.23	26.23	0	ANNUAL	ALL	5
599172.62	4207033.73	0.00035	25.47	25.47	0	ANNUAL	ALL	5
599188.87	4207053.28	0.00033	25.14	25.14	0	ANNUAL	ALL	5
599205.12	4207072.82	0.00033	24.89	24.89	0	ANNUAL	ALL	5
599221.37	4207092.36	0.00033	24.19	24.19	0	ANNUAL	ALL	5
599237.61	4207111.9	0.00034	23.3	23.3	0	ANNUAL	ALL	5
599253.86	4207131.44	0.00035	23.03	23.03	0	ANNUAL	ALL	5
599270.11	4207150.98	0.00038	22.99	22.99	0	ANNUAL	ALL	5
598908.33	4206986.47	0.00151	27.86	27.86	0	ANNUAL	ALL	5
598883.91	4206993.92	0.00161	27.54	27.54	0	ANNUAL	ALL	5
598859.49	4207001.38	0.00167	27.57	27.57	0	ANNUAL	ALL	5
598921.8	4206948.04	0.00118	28.8	28.8	0	ANNUAL	ALL	5
598946.19	4206950.36	0.00114	28.66	28.66	0	ANNUAL	ALL	5
598970.59	4206952.68	0.00107	28.21	28.21	0	ANNUAL	ALL	5
599043.78	4206959.65	0.00077	27.82	27.82	0	ANNUAL	ALL	5
599068.18	4206961.97	0.00065	27.97	27.97	0	ANNUAL	ALL	5
599092.57	4206964.3	0.00054	28.32	28.32	0	ANNUAL	ALL	5
599116.97	4206966.62	0.00044	28.49	28.49	0	ANNUAL	ALL	5
599141.37	4206968.94	0.00036	28.42	28.42	0	ANNUAL	ALL	5
599173.6	4206980.69	0.00029	27.74	27.74	0	ANNUAL	ALL	5
599189.27	4206999.53	0.00028	26.54	26.54	0	ANNUAL	ALL	5
599204.93	4207018.37	0.00027	25.44	25.44	0	ANNUAL	ALL	5
599220.6	4207037.22	0.00027	25.19	25.19	0	ANNUAL	ALL	5

599236.27	4207056.06	0.00027	24.8	24.8	0	ANNUAL	ALL	5
599251.94	4207074.91	0.00027	24.16	24.16	0	ANNUAL	ALL	5
599267.61	4207093.75	0.00027	23.53	23.53	0	ANNUAL	ALL	5
599283.28	4207112.59	0.00028	23.18	23.18	0	ANNUAL	ALL	5
599298.95	4207131.44	0.0003	22.81	22.81	0	ANNUAL	ALL	5
599314.61	4207150.28	0.00032	22.45	22.45	0	ANNUAL	ALL	5
598897.39	4206950.6	0.00124	28.69	28.69	0	ANNUAL	ALL	5
598872.96	4206958.06	0.00131	28.19	28.19	0	ANNUAL	ALL	5
598848.54	4206965.51	0.00135	28.35	28.35	0	ANNUAL	ALL	5
598911.03	4206912.19	0.00099	28.89	28.89	0	ANNUAL	ALL	5
598935.78	4206914.54	0.00096	28.84	28.84	0	ANNUAL	ALL	5
598960.53	4206916.9	0.00092	28.64	28.64	0	ANNUAL	ALL	5
599034.78	4206923.97	0.0007	28.47	28.47	0	ANNUAL	ALL	5
599059.53	4206926.33	0.0006	28.41	28.41	0	ANNUAL	ALL	5
599084.28	4206928.68	0.00051	28.63	28.63	0	ANNUAL	ALL	5
599109.03	4206931.04	0.00042	28.85	28.85	0	ANNUAL	ALL	5
599133.78	4206933.39	0.00035	28.9	28.9	0	ANNUAL	ALL	5
599158.53	4206935.75	0.00029	28.91	28.91	0	ANNUAL	ALL	5
599191.23	4206947.67	0.00024	28.74	28.74	0	ANNUAL	ALL	5
599207.12	4206966.78	0.00023	27.84	27.84	0	ANNUAL	ALL	5
599223.02	4206985.9	0.00022	26.32	26.32	0	ANNUAL	ALL	5
599238.91	4207005.02	0.00022	25.32	25.32	0	ANNUAL	ALL	5
599254.81	4207024.13	0.00022	24.31	24.31	0	ANNUAL	ALL	5
599270.71	4207043.25	0.00022	23.7	23.7	0	ANNUAL	ALL	5
599286.6	4207062.37	0.00022	23.45	23.45	0	ANNUAL	ALL	5
599302.5	4207081.48	0.00023	23.24	23.24	0	ANNUAL	ALL	5
599318.39	4207100.6	0.00023	22.88	22.88	0	ANNUAL	ALL	5
599334.29	4207119.72	0.00025	22.57	22.57	0	ANNUAL	ALL	5
599350.18	4207138.83	0.00027	22.07	22.07	0	ANNUAL	ALL	5
598886.44	4206914.74	0.00103	28.76	28.76	0	ANNUAL	ALL	5
598862.02	4206922.19	0.00109	28.64	28.64	0	ANNUAL	ALL	5
598837.6	4206929.64	0.00112	28.67	28.67	0	ANNUAL	ALL	5
598900.23	4206876.34	0.00085	28.93	28.93	0	ANNUAL	ALL	5
598925.28	4206878.72	0.00083	28.9	28.9	0	ANNUAL	ALL	5
598950.33	4206881.1	0.0008	28.92	28.92	0	ANNUAL	ALL	5
599025.47	4206888.26	0.00062	29.17	29.17	0	ANNUAL	ALL	5
599050.51	4206890.64	0.00056	28.72	28.72	0	ANNUAL	ALL	5
599075.56	4206893.03	0.00048	28.85	28.85	0	ANNUAL	ALL	5
599100.61	4206895.41	0.00038	28.96	28.96	0	ANNUAL	ALL	5
599125.66	4206897.8	0.00032	28.99	28.99	0	ANNUAL	ALL	5
599150.7	4206900.18	0.00029	28.92	28.92	0	ANNUAL	ALL	5
599175.75	4206902.57	0.00024	28.86	28.86	0	ANNUAL	ALL	5
599208.84	4206914.62	0.0002	28.61	28.61	0	ANNUAL	ALL	5
599224.93	4206933.97	0.00019	28.22	28.22	0	ANNUAL	ALL	5
599241.01	4206953.32	0.00019	27.44	27.44	0	ANNUAL	ALL	5
599257.1	4206972.66	0.00018	26.05	26.05	0	ANNUAL	ALL	5
599273.19	4206992.01	0.00019	24.6	24.6	0	ANNUAL	ALL	5
599289.27	4207011.35	0.00019	23.63	23.63	0	ANNUAL	ALL	5
599305.36	4207030.7	0.00019	23.37	23.37	0	ANNUAL	ALL	5
599321.44	4207050.05	0.00019	23.36	23.36	0	ANNUAL	ALL	5
599337.53	4207069.39	0.00019	23.07	23.07	0	ANNUAL	ALL	5
599353.62	4207088.74	0.0002	22.19	22.19	0	ANNUAL	ALL	5
599369.7	4207108.09	0.00021	21.66	21.66	0	ANNUAL	ALL	5
599385.79	4207127.43	0.00022	21.28	21.28	0	ANNUAL	ALL	5
598875.5	4206878.87	0.00088	28.85	28.85	0	ANNUAL	ALL	5
598851.07	4206886.32	0.00092	29.17	29.17	0	ANNUAL	ALL	5
598826.65	4206893.78	0.00095	29.23	29.23	0	ANNUAL	ALL	5
598889.41	4206840.48	0.00073	28.92	28.92	0	ANNUAL	ALL	5
598914.71	4206842.89	0.00072	29	29	0	ANNUAL	ALL	5
598940.01	4206845.3	0.0007	29.27	29.27	0	ANNUAL	ALL	5
599015.91	4206852.52	0.00056	29.99	29.99	0	ANNUAL	ALL	5
599041.21	4206854.93	0.0005	29.29	29.29	0	ANNUAL	ALL	5
599066.51	4206857.34	0.00044	28.99	28.99	0	ANNUAL	ALL	5
599091.81	4206859.75	0.00039	28.93	28.93	0	ANNUAL	ALL	5
599117.11	4206862.16	0.00033	28.93	28.93	0	ANNUAL	ALL	5
599142.41	4206864.57	0.00028	28.88	28.88	0	ANNUAL	ALL	5
599167.71	4206866.98	0.00024	28.86	28.86	0	ANNUAL	ALL	5
599193.01	4206869.38	0.0002	28.77	28.77	0	ANNUAL	ALL	5
599226.44	4206881.56	0.00017	28.34	28.34	0	ANNUAL	ALL	5
599242.69	4206901.11	0.00016	27.94	27.94	0	ANNUAL	ALL	5
599258.94	4206920.65	0.00016	27.67	27.67	0	ANNUAL	ALL	5

599275.19	4206940.19	0.00016	27	27	0	ANNUAL	ALL	5
599291.43	4206959.73	0.00016	25.91	25.91	0	ANNUAL	ALL	5
599307.68	4206979.27	0.00016	24.59	24.59	0	ANNUAL	ALL	5
599323.93	4206998.81	0.00016	23.74	23.74	0	ANNUAL	ALL	5
599340.18	4207018.36	0.00016	23.57	23.57	0	ANNUAL	ALL	5
599356.43	4207037.9	0.00016	23.1	23.1	0	ANNUAL	ALL	5
599372.68	4207057.44	0.00016	22.41	22.41	0	ANNUAL	ALL	5
599388.93	4207076.98	0.00017	21.28	21.28	0	ANNUAL	ALL	5
599405.18	4207096.52	0.00018	20.96	20.96	0	ANNUAL	ALL	5
599421.42	4207116.06	0.00019	21	21	0	ANNUAL	ALL	5
598864.55	4206843	0.00076	29.01	29.01	0	ANNUAL	ALL	5
598840.13	4206850.46	0.00079	29.38	29.38	0	ANNUAL	ALL	5
598815.7	4206857.91	0.00081	29.53	29.53	0	ANNUAL	ALL	5
598908.58	4207289.8	0.02254	24.56	24.56	0	ANNUAL	ALL	5
598917.76	4207274.74	0.02877	24.48	24.48	0	ANNUAL	ALL	5
598915.34	4207313.45	0.02259	24.35	24.35	0	ANNUAL	ALL	5
598919.82	4207327.34	0.02064	24.21	24.21	0	ANNUAL	ALL	5
598924.29	4207341.23	0.01745	24.04	24.04	0	ANNUAL	ALL	5
598894.98	4207294.18	0.01508	24.56	24.56	0	ANNUAL	ALL	5
598905.35	4207265.14	0.01975	24.55	24.55	0	ANNUAL	ALL	5
598883.26	4207276.57	0.01224	24.53	24.53	0	ANNUAL	ALL	5
598892.69	4207258.52	0.01458	24.62	24.62	0	ANNUAL	ALL	5
598909.67	4207244.43	0.01766	24.59	24.59	0	ANNUAL	ALL	5
598898.33	4207365.12	0.00607	23.66	23.66	0	ANNUAL	ALL	5
598869.19	4207286.44	0.00884	24.43	24.43	0	ANNUAL	ALL	5
598882.15	4207250.15	0.01158	24.66	24.66	0	ANNUAL	ALL	5
598892.76	4207241.34	0.01314	24.7	24.7	0	ANNUAL	ALL	5
598903.38	4207232.53	0.01414	24.69	24.69	0	ANNUAL	ALL	5
598866.85	4207313.92	0.00691	24.29	24.29	0	ANNUAL	ALL	5
598871.32	4207327.82	0.00649	24.22	24.22	0	ANNUAL	ALL	5
598875.79	4207341.71	0.00593	24.21	24.21	0	ANNUAL	ALL	5
598880.26	4207355.61	0.00529	24.09	24.09	0	ANNUAL	ALL	5
598884.73	4207369.5	0.00468	23.92	23.92	0	ANNUAL	ALL	5
598854.37	4207305.11	0.00597	24.47	24.47	0	ANNUAL	ALL	5
598856.62	4207278.72	0.00722	24.65	24.65	0	ANNUAL	ALL	5
598869.06	4207243.88	0.00912	24.74	24.74	0	ANNUAL	ALL	5
598889.44	4207226.97	0.01117	24.79	24.79	0	ANNUAL	ALL	5
598853.25	4207318.3	0.00526	24.4	24.4	0	ANNUAL	ALL	5
598857.72	4207332.2	0.00494	24.35	24.35	0	ANNUAL	ALL	5
598862.19	4207346.09	0.00454	24.35	24.35	0	ANNUAL	ALL	5
598866.66	4207359.98	0.00412	24.3	24.3	0	ANNUAL	ALL	5
598871.14	4207373.88	0.00373	24.21	24.21	0	ANNUAL	ALL	5
598840.74	4207309.85	0.00463	24.56	24.56	0	ANNUAL	ALL	5
598842.93	4207284.2	0.00559	24.77	24.77	0	ANNUAL	ALL	5
598845.12	4207258.55	0.00628	24.96	24.96	0	ANNUAL	ALL	5
598856.12	4207237.5	0.00738	24.88	24.88	0	ANNUAL	ALL	5
598875.93	4207221.06	0.009	24.91	24.91	0	ANNUAL	ALL	5
598895.75	4207204.62	0.00968	24.94	24.94	0	ANNUAL	ALL	5
598844.12	4207336.57	0.00389	24.44	24.44	0	ANNUAL	ALL	5
598848.59	4207350.47	0.0036	24.45	24.45	0	ANNUAL	ALL	5
598853.07	4207364.36	0.00331	24.33	24.33	0	ANNUAL	ALL	5
598857.54	4207378.25	0.00306	24.21	24.21	0	ANNUAL	ALL	5
598821.74	4207315.61	0.00341	24.59	24.59	0	ANNUAL	ALL	5
598823.99	4207289.23	0.00411	24.96	24.96	0	ANNUAL	ALL	5
598826.24	4207262.84	0.0047	25.21	25.21	0	ANNUAL	ALL	5
598827.36	4207249.65	0.00492	25.16	25.16	0	ANNUAL	ALL	5
598838.68	4207228	0.00572	25.02	25.02	0	ANNUAL	ALL	5
598859.06	4207211.09	0.00694	25.19	25.19	0	ANNUAL	ALL	5
598879.44	4207194.18	0.00761	25.19	25.19	0	ANNUAL	ALL	5
598820.61	4207328.81	0.00307	24.47	24.47	0	ANNUAL	ALL	5
598825.08	4207342.7	0.0029	24.4	24.4	0	ANNUAL	ALL	5
598829.56	4207356.59	0.00272	24.34	24.34	0	ANNUAL	ALL	5
598834.03	4207370.49	0.00254	24.21	24.21	0	ANNUAL	ALL	5
598838.5	4207384.38	0.0024	24.1	24.1	0	ANNUAL	ALL	5
598802.72	4207321.47	0.00262	24.58	24.58	0	ANNUAL	ALL	5
598803.87	4207308	0.00287	24.82	24.82	0	ANNUAL	ALL	5
598805.02	4207294.53	0.00312	25.06	25.06	0	ANNUAL	ALL	5
598806.17	4207281.06	0.00338	25.15	25.15	0	ANNUAL	ALL	5
598807.32	4207267.6	0.00361	25.19	25.19	0	ANNUAL	ALL	5
598808.47	4207254.13	0.00381	25.2	25.2	0	ANNUAL	ALL	5
598809.62	4207240.66	0.00397	25.13	25.13	0	ANNUAL	ALL	5

598821.17	4207218.56	0.00456	25.24	25.24	0	ANNUAL	ALL	5
598841.97	4207201.3	0.00549	25.48	25.48	0	ANNUAL	ALL	5
598852.37	4207192.66	0.00585	25.52	25.52	0	ANNUAL	ALL	5
598873.17	4207175.4	0.00619	25.36	25.36	0	ANNUAL	ALL	5
598801.57	4207334.93	0.00237	24.47	24.47	0	ANNUAL	ALL	5
598806.04	4207348.83	0.00225	24.36	24.36	0	ANNUAL	ALL	5
598810.52	4207362.72	0.00212	24.28	24.28	0	ANNUAL	ALL	5
598814.99	4207376.62	0.00201	24.16	24.16	0	ANNUAL	ALL	5
598819.46	4207390.51	0.00194	24	24	0	ANNUAL	ALL	5
598783.7	4207327.38	0.00206	24.62	24.62	0	ANNUAL	ALL	5
598784.87	4207313.7	0.00226	24.8	24.8	0	ANNUAL	ALL	5
598786.04	4207300.02	0.00245	25	25	0	ANNUAL	ALL	5
598787.2	4207286.34	0.00264	25.15	25.15	0	ANNUAL	ALL	5
598788.37	4207272.65	0.00284	25.15	25.15	0	ANNUAL	ALL	5
598789.54	4207258.97	0.00301	25.16	25.16	0	ANNUAL	ALL	5
598790.71	4207245.29	0.00316	25.16	25.16	0	ANNUAL	ALL	5
598791.87	4207231.61	0.00327	25.15	25.15	0	ANNUAL	ALL	5
598803.61	4207209.16	0.00372	25.45	25.45	0	ANNUAL	ALL	5
598814.17	4207200.39	0.0041	25.57	25.57	0	ANNUAL	ALL	5
598824.74	4207191.62	0.00445	25.63	25.63	0	ANNUAL	ALL	5
598835.31	4207182.85	0.00475	25.69	25.69	0	ANNUAL	ALL	5
598845.87	4207174.08	0.00497	25.75	25.75	0	ANNUAL	ALL	5
598856.44	4207165.31	0.00509	25.67	25.67	0	ANNUAL	ALL	5
598867.01	4207156.55	0.00511	25.44	25.44	0	ANNUAL	ALL	5
598877.57	4207147.78	0.00503	25.27	25.27	0	ANNUAL	ALL	5
598782.53	4207341.06	0.00188	24.48	24.48	0	ANNUAL	ALL	5
598787.01	4207354.96	0.00179	24.35	24.35	0	ANNUAL	ALL	5
598791.48	4207368.85	0.0017	24.37	24.37	0	ANNUAL	ALL	5
598795.95	4207382.74	0.00162	24.37	24.37	0	ANNUAL	ALL	5
598800.42	4207396.64	0.00157	24.3	24.3	0	ANNUAL	ALL	5
598764.68	4207333.34	0.00167	24.58	24.58	0	ANNUAL	ALL	5
598765.86	4207319.48	0.00182	24.77	24.77	0	ANNUAL	ALL	5
598767.04	4207305.63	0.00197	24.93	24.93	0	ANNUAL	ALL	5
598768.22	4207291.78	0.00212	25.09	25.09	0	ANNUAL	ALL	5
598769.41	4207277.93	0.00227	25.09	25.09	0	ANNUAL	ALL	5
598770.59	4207264.07	0.00242	25.08	25.08	0	ANNUAL	ALL	5
598771.77	4207250.22	0.00255	25.14	25.14	0	ANNUAL	ALL	5
598772.95	4207236.37	0.00266	25.21	25.21	0	ANNUAL	ALL	5
598774.13	4207222.52	0.00274	25.36	25.36	0	ANNUAL	ALL	5
598786.01	4207199.79	0.00309	25.7	25.7	0	ANNUAL	ALL	5
598796.71	4207190.91	0.00339	25.7	25.7	0	ANNUAL	ALL	5
598807.41	4207182.03	0.00367	25.73	25.73	0	ANNUAL	ALL	5
598818.11	4207173.15	0.00392	25.79	25.79	0	ANNUAL	ALL	5
598828.81	4207164.27	0.00412	25.82	25.82	0	ANNUAL	ALL	5
598839.51	4207155.39	0.00425	25.74	25.74	0	ANNUAL	ALL	5
598850.2	4207146.51	0.0043	25.66	25.66	0	ANNUAL	ALL	5
598860.9	4207137.64	0.00428	25.44	25.44	0	ANNUAL	ALL	5
598871.6	4207128.76	0.00418	25.52	25.52	0	ANNUAL	ALL	5
598763.5	4207347.19	0.00153	24.38	24.38	0	ANNUAL	ALL	5
598767.97	4207361.08	0.00146	24.34	24.34	0	ANNUAL	ALL	5
598772.44	4207374.98	0.00138	24.44	24.44	0	ANNUAL	ALL	5
598776.91	4207388.87	0.00131	24.46	24.46	0	ANNUAL	ALL	5
598781.38	4207402.77	0.00125	24.38	24.38	0	ANNUAL	ALL	5
598745.65	4207339.32	0.00138	24.36	24.36	0	ANNUAL	ALL	5
598746.85	4207325.33	0.00149	24.61	24.61	0	ANNUAL	ALL	5
598748.04	4207311.34	0.00161	24.82	24.82	0	ANNUAL	ALL	5
598749.23	4207297.35	0.00173	24.99	24.99	0	ANNUAL	ALL	5
598750.43	4207283.35	0.00185	25.06	25.06	0	ANNUAL	ALL	5
598751.62	4207269.36	0.00197	25.01	25.01	0	ANNUAL	ALL	5
598752.81	4207255.37	0.00209	25.04	25.04	0	ANNUAL	ALL	5
598754.01	4207241.38	0.00218	25.23	25.23	0	ANNUAL	ALL	5
598755.2	4207227.38	0.00227	25.41	25.41	0	ANNUAL	ALL	5
598756.4	4207213.39	0.00233	25.59	25.59	0	ANNUAL	ALL	5
598768.4	4207190.43	0.00261	25.78	25.78	0	ANNUAL	ALL	5
598779.2	4207181.46	0.00285	25.78	25.78	0	ANNUAL	ALL	5
598790.01	4207172.5	0.00308	25.78	25.78	0	ANNUAL	ALL	5
598800.82	4207163.53	0.00329	25.8	25.8	0	ANNUAL	ALL	5
598811.62	4207154.56	0.00346	25.78	25.78	0	ANNUAL	ALL	5
598822.43	4207145.59	0.00359	25.73	25.73	0	ANNUAL	ALL	5
598833.24	4207136.62	0.00366	25.67	25.67	0	ANNUAL	ALL	5
598844.04	4207127.65	0.00367	25.89	25.89	0	ANNUAL	ALL	5

598854.85	4207118.69	0.00362	26.04	26.04	0	ANNUAL	ALL	5
598865.66	4207109.72	0.00352	26.12	26.12	0	ANNUAL	ALL	5
598744.46	4207353.32	0.00126	24.13	24.13	0	ANNUAL	ALL	5
598748.93	4207367.21	0.0012	24.1	24.1	0	ANNUAL	ALL	5
598753.4	4207381.11	0.00114	24.06	24.06	0	ANNUAL	ALL	5
598757.87	4207395	0.00108	24.04	24.04	0	ANNUAL	ALL	5
598762.35	4207408.89	0.00102	24.05	24.05	0	ANNUAL	ALL	5
598726.62	4207345.34	0.00115	23.89	23.89	0	ANNUAL	ALL	5
598727.83	4207331.23	0.00125	24.09	24.09	0	ANNUAL	ALL	5
598729.03	4207317.12	0.00135	24.31	24.31	0	ANNUAL	ALL	5
598730.24	4207303.01	0.00144	24.58	24.58	0	ANNUAL	ALL	5
598731.44	4207288.9	0.00154	24.83	24.83	0	ANNUAL	ALL	5
598732.64	4207274.79	0.00164	24.89	24.89	0	ANNUAL	ALL	5
598733.85	4207260.68	0.00173	24.94	24.94	0	ANNUAL	ALL	5
598735.05	4207246.57	0.00182	25.17	25.17	0	ANNUAL	ALL	5
598736.25	4207232.46	0.00189	25.42	25.42	0	ANNUAL	ALL	5
598737.46	4207218.35	0.00196	25.58	25.58	0	ANNUAL	ALL	5
598738.66	4207204.24	0.00201	25.7	25.7	0	ANNUAL	ALL	5
598750.76	4207181.09	0.00224	25.74	25.74	0	ANNUAL	ALL	5
598761.66	4207172.05	0.00243	25.74	25.74	0	ANNUAL	ALL	5
598772.55	4207163.01	0.00262	25.81	25.81	0	ANNUAL	ALL	5
598783.45	4207153.96	0.00279	25.85	25.85	0	ANNUAL	ALL	5
598794.35	4207144.92	0.00294	25.82	25.82	0	ANNUAL	ALL	5
598805.24	4207135.88	0.00306	25.79	25.79	0	ANNUAL	ALL	5
598816.14	4207126.84	0.00313	26.04	26.04	0	ANNUAL	ALL	5
598827.04	4207117.79	0.00316	26.26	26.26	0	ANNUAL	ALL	5
598837.94	4207108.75	0.00315	26.45	26.45	0	ANNUAL	ALL	5
598848.83	4207099.71	0.0031	26.59	26.59	0	ANNUAL	ALL	5
598859.73	4207090.66	0.003	26.68	26.68	0	ANNUAL	ALL	5
598725.42	4207359.44	0.00106	23.79	23.79	0	ANNUAL	ALL	5
598729.89	4207373.34	0.00101	23.82	23.82	0	ANNUAL	ALL	5
598734.36	4207387.23	0.00096	23.82	23.82	0	ANNUAL	ALL	5
598738.84	4207401.13	0.00091	23.77	23.77	0	ANNUAL	ALL	5
598707.59	4207351.36	0.00098	24.34	24.34	0	ANNUAL	ALL	5
598708.81	4207337.16	0.00105	24.41	24.41	0	ANNUAL	ALL	5
598710.02	4207322.95	0.00113	24.49	24.49	0	ANNUAL	ALL	5
598711.23	4207308.74	0.00121	24.57	24.57	0	ANNUAL	ALL	5
598712.44	4207294.53	0.00129	24.67	24.67	0	ANNUAL	ALL	5
598713.65	4207280.33	0.00137	24.8	24.8	0	ANNUAL	ALL	5
598714.87	4207266.12	0.00145	24.94	24.94	0	ANNUAL	ALL	5
598716.08	4207251.91	0.00153	25.14	25.14	0	ANNUAL	ALL	5
598717.29	4207237.7	0.00159	25.41	25.41	0	ANNUAL	ALL	5
598718.5	4207223.5	0.00165	25.6	25.6	0	ANNUAL	ALL	5
598719.72	4207209.29	0.00171	25.64	25.64	0	ANNUAL	ALL	5
598720.93	4207195.08	0.00175	25.69	25.69	0	ANNUAL	ALL	5
598733.11	4207171.77	0.00194	25.71	25.71	0	ANNUAL	ALL	5
598744.09	4207162.66	0.0021	25.8	25.8	0	ANNUAL	ALL	5
598755.06	4207153.55	0.00225	25.95	25.95	0	ANNUAL	ALL	5
598766.03	4207144.45	0.0024	26.03	26.03	0	ANNUAL	ALL	5
598777	4207135.34	0.00252	26.03	26.03	0	ANNUAL	ALL	5
598787.98	4207126.23	0.00263	26.25	26.25	0	ANNUAL	ALL	5
598798.95	4207117.13	0.0027	26.47	26.47	0	ANNUAL	ALL	5
598809.92	4207108.02	0.00274	26.69	26.69	0	ANNUAL	ALL	5
598820.9	4207098.92	0.00275	26.81	26.81	0	ANNUAL	ALL	5
598831.87	4207089.81	0.00273	26.94	26.94	0	ANNUAL	ALL	5
598842.84	4207080.7	0.00267	27.06	27.06	0	ANNUAL	ALL	5
598853.81	4207071.6	0.00259	27.12	27.12	0	ANNUAL	ALL	5
598706.38	4207365.57	0.0009	24.26	24.26	0	ANNUAL	ALL	5
598710.85	4207379.47	0.00086	24.05	24.05	0	ANNUAL	ALL	5
598715.33	4207393.36	0.00082	23.91	23.91	0	ANNUAL	ALL	5
598719.8	4207407.25	0.00078	23.84	23.84	0	ANNUAL	ALL	5
598689.78	4207343.12	0.0009	24.54	24.54	0	ANNUAL	ALL	5
598691	4207328.82	0.00096	24.72	24.72	0	ANNUAL	ALL	5
598692.22	4207314.53	0.00103	24.83	24.83	0	ANNUAL	ALL	5
598693.44	4207300.24	0.0011	24.85	24.85	0	ANNUAL	ALL	5
598694.66	4207285.95	0.00117	24.89	24.89	0	ANNUAL	ALL	5
598695.88	4207271.65	0.00123	25.02	25.02	0	ANNUAL	ALL	5
598697.1	4207257.36	0.0013	25.18	25.18	0	ANNUAL	ALL	5
598698.32	4207243.07	0.00135	25.41	25.41	0	ANNUAL	ALL	5
598699.54	4207228.78	0.00141	25.65	25.65	0	ANNUAL	ALL	5
598700.76	4207214.48	0.00146	25.64	25.64	0	ANNUAL	ALL	5

598701.98	4207200.19	0.00151	25.61	25.61	0	ANNUAL	ALL	5
598703.19	4207185.9	0.00154	25.67	25.67	0	ANNUAL	ALL	5
598715.45	4207162.45	0.0017	25.89	25.89	0	ANNUAL	ALL	5
598726.49	4207153.29	0.00183	26.15	26.15	0	ANNUAL	ALL	5
598737.53	4207144.13	0.00195	26.33	26.33	0	ANNUAL	ALL	5
598748.57	4207134.97	0.00208	26.42	26.42	0	ANNUAL	ALL	5
598759.61	4207125.81	0.00219	26.56	26.56	0	ANNUAL	ALL	5
598770.64	4207116.65	0.00228	26.73	26.73	0	ANNUAL	ALL	5
598781.68	4207107.48	0.00235	26.93	26.93	0	ANNUAL	ALL	5
598792.72	4207098.32	0.0024	27.03	27.03	0	ANNUAL	ALL	5
598803.76	4207089.16	0.00242	27.12	27.12	0	ANNUAL	ALL	5
598814.8	4207080	0.00241	27.24	27.24	0	ANNUAL	ALL	5
598825.84	4207070.84	0.00238	27.33	27.33	0	ANNUAL	ALL	5
598836.87	4207061.68	0.00233	27.33	27.33	0	ANNUAL	ALL	5
598847.91	4207052.52	0.00226	27.34	27.34	0	ANNUAL	ALL	5
598696.29	4207399.49	0.00071	24.02	24.02	0	ANNUAL	ALL	5
598700.76	4207413.38	0.00067	23.88	23.88	0	ANNUAL	ALL	5
598669.53	4207363.46	0.00073	24.37	24.37	0	ANNUAL	ALL	5
598675.66	4207291.63	0.001	25.24	25.24	0	ANNUAL	ALL	5
598676.88	4207277.27	0.00105	25.3	25.3	0	ANNUAL	ALL	5
598678.11	4207262.9	0.00111	25.33	25.33	0	ANNUAL	ALL	5
598679.34	4207248.54	0.00116	25.44	25.44	0	ANNUAL	ALL	5
598680.56	4207234.17	0.00121	25.59	25.59	0	ANNUAL	ALL	5
598681.79	4207219.81	0.00126	25.67	25.67	0	ANNUAL	ALL	5
598683.01	4207205.44	0.0013	25.69	25.69	0	ANNUAL	ALL	5
598684.24	4207191.08	0.00134	25.75	25.75	0	ANNUAL	ALL	5
598685.46	4207176.71	0.00137	25.9	25.9	0	ANNUAL	ALL	5
598697.78	4207153.14	0.00149	26.32	26.32	0	ANNUAL	ALL	5
598708.88	4207143.93	0.0016	26.58	26.58	0	ANNUAL	ALL	5
598719.97	4207134.72	0.00171	26.79	26.79	0	ANNUAL	ALL	5
598731.07	4207125.51	0.00181	26.91	26.91	0	ANNUAL	ALL	5
598742.16	4207116.31	0.00191	27.03	27.03	0	ANNUAL	ALL	5
598753.26	4207107.1	0.00199	27.21	27.21	0	ANNUAL	ALL	5
598764.35	4207097.89	0.00206	27.25	27.25	0	ANNUAL	ALL	5
598775.45	4207088.68	0.00211	27.31	27.31	0	ANNUAL	ALL	5
598786.54	4207079.48	0.00214	27.39	27.39	0	ANNUAL	ALL	5
598797.64	4207070.27	0.00215	27.42	27.42	0	ANNUAL	ALL	5
598808.73	4207061.06	0.00213	27.43	27.43	0	ANNUAL	ALL	5
598819.83	4207051.86	0.0021	27.47	27.47	0	ANNUAL	ALL	5
598830.92	4207042.65	0.00205	27.51	27.51	0	ANNUAL	ALL	5
598842.02	4207033.44	0.00198	27.46	27.46	0	ANNUAL	ALL	5
598668.31	4207377.83	0.00067	24.32	24.32	0	ANNUAL	ALL	5
598677.25	4207405.62	0.00062	23.97	23.97	0	ANNUAL	ALL	5
598681.72	4207419.51	0.00059	24.02	24.02	0	ANNUAL	ALL	5
598650.5	4207369.53	0.00063	24.74	24.74	0	ANNUAL	ALL	5
598651.73	4207355.1	0.00068	24.72	24.72	0	ANNUAL	ALL	5
598652.96	4207340.67	0.00072	24.8	24.8	0	ANNUAL	ALL	5
598654.19	4207326.24	0.00077	24.94	24.94	0	ANNUAL	ALL	5
598655.42	4207311.81	0.00082	25.05	25.05	0	ANNUAL	ALL	5
598660.35	4207254.09	0.00101	25.41	25.41	0	ANNUAL	ALL	5
598661.58	4207239.66	0.00105	25.54	25.54	0	ANNUAL	ALL	5
598662.81	4207225.23	0.00109	25.66	25.66	0	ANNUAL	ALL	5
598664.04	4207210.8	0.00113	25.67	25.67	0	ANNUAL	ALL	5
598665.27	4207196.37	0.00117	25.7	25.7	0	ANNUAL	ALL	5
598666.5	4207181.94	0.00119	25.96	25.96	0	ANNUAL	ALL	5
598667.73	4207167.51	0.00122	26.2	26.2	0	ANNUAL	ALL	5
598680.11	4207143.83	0.00132	26.75	26.75	0	ANNUAL	ALL	5
598691.25	4207134.58	0.00142	26.98	26.98	0	ANNUAL	ALL	5
598702.4	4207125.33	0.00151	27.1	27.1	0	ANNUAL	ALL	5
598713.54	4207116.09	0.0016	27.21	27.21	0	ANNUAL	ALL	5
598724.69	4207106.84	0.00168	27.39	27.39	0	ANNUAL	ALL	5
598735.83	4207097.59	0.00175	27.41	27.41	0	ANNUAL	ALL	5
598746.98	4207088.34	0.00182	27.42	27.42	0	ANNUAL	ALL	5
598758.12	4207079.09	0.00187	27.47	27.47	0	ANNUAL	ALL	5
598769.26	4207069.84	0.0019	27.53	27.53	0	ANNUAL	ALL	5
598780.41	4207060.59	0.00191	27.52	27.52	0	ANNUAL	ALL	5
598791.55	4207051.35	0.00191	27.51	27.51	0	ANNUAL	ALL	5
598802.7	4207042.1	0.0019	27.55	27.55	0	ANNUAL	ALL	5
598813.84	4207032.85	0.00186	27.66	27.66	0	ANNUAL	ALL	5
598824.99	4207023.6	0.00182	27.67	27.67	0	ANNUAL	ALL	5
598836.13	4207014.35	0.00176	27.58	27.58	0	ANNUAL	ALL	5

598653.74	4207397.85	0.00057	24.56	24.56	0	ANNUAL	ALL	5
598658.21	4207411.74	0.00054	24.34	24.34	0	ANNUAL	ALL	5
598616.03	4207366.59	0.00054	24.81	24.81	0	ANNUAL	ALL	5
598617.26	4207352.16	0.00057	24.96	24.96	0	ANNUAL	ALL	5
598618.5	4207337.73	0.0006	25.28	25.28	0	ANNUAL	ALL	5
598619.73	4207323.3	0.00064	25.62	25.62	0	ANNUAL	ALL	5
598620.96	4207308.87	0.00067	25.67	25.67	0	ANNUAL	ALL	5
598622.19	4207294.44	0.00071	25.62	25.62	0	ANNUAL	ALL	5
598623.42	4207280.01	0.00075	25.56	25.56	0	ANNUAL	ALL	5
598624.65	4207265.58	0.00078	25.5	25.5	0	ANNUAL	ALL	5
598627.11	4207236.72	0.00085	25.57	25.57	0	ANNUAL	ALL	5
598628.34	4207222.29	0.00088	25.62	25.62	0	ANNUAL	ALL	5
598629.57	4207207.86	0.00091	25.67	25.67	0	ANNUAL	ALL	5
598630.81	4207193.43	0.00094	25.8	25.8	0	ANNUAL	ALL	5
598632.04	4207179	0.00096	26.24	26.24	0	ANNUAL	ALL	5
598633.27	4207164.57	0.00098	26.65	26.65	0	ANNUAL	ALL	5
598634.5	4207150.14	0.001	26.82	26.82	0	ANNUAL	ALL	5
598646.87	4207126.46	0.00108	27.09	27.09	0	ANNUAL	ALL	5
598658.02	4207117.21	0.00115	27.2	27.2	0	ANNUAL	ALL	5
598669.16	4207107.96	0.00122	27.32	27.32	0	ANNUAL	ALL	5
598680.31	4207098.72	0.00128	27.42	27.42	0	ANNUAL	ALL	5
598691.45	4207089.47	0.00135	27.48	27.48	0	ANNUAL	ALL	5
598702.6	4207080.22	0.00141	27.5	27.5	0	ANNUAL	ALL	5
598713.74	4207070.97	0.00146	27.51	27.51	0	ANNUAL	ALL	5
598724.88	4207061.72	0.0015	27.54	27.54	0	ANNUAL	ALL	5
598736.03	4207052.47	0.00154	27.62	27.62	0	ANNUAL	ALL	5
598747.17	4207043.22	0.00156	27.7	27.7	0	ANNUAL	ALL	5
598758.32	4207033.98	0.00157	27.93	27.93	0	ANNUAL	ALL	5
598769.46	4207024.73	0.00157	28.1	28.1	0	ANNUAL	ALL	5
598780.61	4207015.48	0.00156	28.24	28.24	0	ANNUAL	ALL	5
598791.75	4207006.23	0.00154	28.27	28.27	0	ANNUAL	ALL	5
598802.9	4206996.98	0.00151	28.36	28.36	0	ANNUAL	ALL	5
598814.04	4206987.73	0.00147	28.51	28.51	0	ANNUAL	ALL	5
598825.18	4206978.49	0.00142	28.61	28.61	0	ANNUAL	ALL	5
598613.57	4207395.45	0.00047	24.57	24.57	0	ANNUAL	ALL	5
598618.04	4207409.34	0.00046	24.57	24.57	0	ANNUAL	ALL	5
598624.59	4207479.7	0.00034	24.32	24.32	0	ANNUAL	ALL	5
598579.11	4207392.51	0.00041	24.64	24.64	0	ANNUAL	ALL	5
598580.34	4207378.08	0.00044	24.66	24.66	0	ANNUAL	ALL	5
598581.57	4207363.65	0.00046	24.8	24.8	0	ANNUAL	ALL	5
598582.8	4207349.22	0.00049	24.97	24.97	0	ANNUAL	ALL	5
598587.72	4207291.5	0.00059	25.8	25.8	0	ANNUAL	ALL	5
598588.95	4207277.07	0.00062	25.63	25.63	0	ANNUAL	ALL	5
598590.18	4207262.64	0.00065	25.42	25.42	0	ANNUAL	ALL	5
598591.42	4207248.21	0.00068	25.44	25.44	0	ANNUAL	ALL	5
598593.88	4207219.35	0.00073	25.81	25.81	0	ANNUAL	ALL	5
598595.11	4207204.92	0.00075	26.1	26.1	0	ANNUAL	ALL	5
598596.34	4207190.49	0.00077	26.38	26.38	0	ANNUAL	ALL	5
598597.57	4207176.06	0.00079	26.66	26.66	0	ANNUAL	ALL	5
598598.8	4207161.63	0.00081	26.88	26.88	0	ANNUAL	ALL	5
598600.03	4207147.2	0.00082	26.89	26.89	0	ANNUAL	ALL	5
598601.26	4207132.77	0.00084	26.92	26.92	0	ANNUAL	ALL	5
598613.64	4207109.09	0.0009	27.07	27.07	0	ANNUAL	ALL	5
598624.78	4207099.84	0.00095	27.23	27.23	0	ANNUAL	ALL	5
598635.93	4207090.59	0.001	27.36	27.36	0	ANNUAL	ALL	5
598647.07	4207081.35	0.00105	27.46	27.46	0	ANNUAL	ALL	5
598658.22	4207072.1	0.0011	27.56	27.56	0	ANNUAL	ALL	5
598669.36	4207062.85	0.00115	27.58	27.58	0	ANNUAL	ALL	5
598680.51	4207053.6	0.0012	27.52	27.52	0	ANNUAL	ALL	5
598691.65	4207044.35	0.00123	27.46	27.46	0	ANNUAL	ALL	5
598702.79	4207035.1	0.00127	27.41	27.41	0	ANNUAL	ALL	5
598713.94	4207025.85	0.00129	27.59	27.59	0	ANNUAL	ALL	5
598725.08	4207016.61	0.00131	27.96	27.96	0	ANNUAL	ALL	5
598736.23	4207007.36	0.00131	28.27	28.27	0	ANNUAL	ALL	5
598747.37	4206998.11	0.00132	28.46	28.46	0	ANNUAL	ALL	5
598758.52	4206988.86	0.00131	28.57	28.57	0	ANNUAL	ALL	5
598769.66	4206979.61	0.00129	28.59	28.59	0	ANNUAL	ALL	5
598780.81	4206970.36	0.00127	28.53	28.53	0	ANNUAL	ALL	5
598791.95	4206961.12	0.00125	28.5	28.5	0	ANNUAL	ALL	5
598803.09	4206951.87	0.00121	28.5	28.5	0	ANNUAL	ALL	5
598814.24	4206942.62	0.00118	28.57	28.57	0	ANNUAL	ALL	5

598577.87	4207406.93	0.00039	24.66	24.66	0	ANNUAL	ALL	5
598592.67	4207473.17	0.00031	24.54	24.54	0	ANNUAL	ALL	5
598598.52	4207483.63	0.00031	24.45	24.45	0	ANNUAL	ALL	5
598543.41	4207403.99	0.00034	25.45	25.45	0	ANNUAL	ALL	5
598544.64	4207389.56	0.00036	25.54	25.54	0	ANNUAL	ALL	5
598545.87	4207375.14	0.00038	25.63	25.63	0	ANNUAL	ALL	5
598547.1	4207360.71	0.0004	25.7	25.7	0	ANNUAL	ALL	5
598548.33	4207346.28	0.00042	25.79	25.79	0	ANNUAL	ALL	5
598549.56	4207331.85	0.00044	25.9	25.9	0	ANNUAL	ALL	5
598550.8	4207317.42	0.00046	26.03	26.03	0	ANNUAL	ALL	5
598554.49	4207274.13	0.00053	26.28	26.28	0	ANNUAL	ALL	5
598555.72	4207259.7	0.00055	26.08	26.08	0	ANNUAL	ALL	5
598556.95	4207245.27	0.00057	26.11	26.11	0	ANNUAL	ALL	5
598560.64	4207201.98	0.00063	26.81	26.81	0	ANNUAL	ALL	5
598561.87	4207187.55	0.00064	27.05	27.05	0	ANNUAL	ALL	5
598563.11	4207173.12	0.00066	27.21	27.21	0	ANNUAL	ALL	5
598564.34	4207158.69	0.00067	27.3	27.3	0	ANNUAL	ALL	5
598565.57	4207144.26	0.00069	27.27	27.27	0	ANNUAL	ALL	5
598566.8	4207129.83	0.0007	27.26	27.26	0	ANNUAL	ALL	5
598568.03	4207115.4	0.00071	27.29	27.29	0	ANNUAL	ALL	5
598580.4	4207091.72	0.00076	27.17	27.17	0	ANNUAL	ALL	5
598591.55	4207082.47	0.0008	27.17	27.17	0	ANNUAL	ALL	5
598602.69	4207073.22	0.00084	27.29	27.29	0	ANNUAL	ALL	5
598613.84	4207063.98	0.00088	27.46	27.46	0	ANNUAL	ALL	5
598624.98	4207054.73	0.00092	27.59	27.59	0	ANNUAL	ALL	5
598636.13	4207045.48	0.00096	27.7	27.7	0	ANNUAL	ALL	5
598647.27	4207036.23	0.00099	27.74	27.74	0	ANNUAL	ALL	5
598658.42	4207026.98	0.00103	27.72	27.72	0	ANNUAL	ALL	5
598669.56	4207017.73	0.00106	27.57	27.57	0	ANNUAL	ALL	5
598680.7	4207008.48	0.00108	27.43	27.43	0	ANNUAL	ALL	5
598691.85	4206999.24	0.0011	27.5	27.5	0	ANNUAL	ALL	5
598702.99	4206989.99	0.00111	27.59	27.59	0	ANNUAL	ALL	5
598714.14	4206980.74	0.00112	27.89	27.89	0	ANNUAL	ALL	5
598725.28	4206971.49	0.00112	28.08	28.08	0	ANNUAL	ALL	5
598736.43	4206962.24	0.00112	28.14	28.14	0	ANNUAL	ALL	5
598747.57	4206952.99	0.00111	28.12	28.12	0	ANNUAL	ALL	5
598758.72	4206943.75	0.00109	28.17	28.17	0	ANNUAL	ALL	5
598769.86	4206934.5	0.00107	28.23	28.23	0	ANNUAL	ALL	5
598781	4206925.25	0.00105	28.27	28.27	0	ANNUAL	ALL	5
598792.15	4206916	0.00102	28.42	28.42	0	ANNUAL	ALL	5
598803.29	4206906.75	0.00099	28.7	28.7	0	ANNUAL	ALL	5
598541.15	4207467.67	0.00027	24.88	24.88	0	ANNUAL	ALL	5
598561.79	4207470.91	0.00028	24.72	24.72	0	ANNUAL	ALL	5
598566.26	4207484.8	0.00027	24.64	24.64	0	ANNUAL	ALL	5
598508.94	4207401.05	0.0003	26.11	26.11	0	ANNUAL	ALL	5
598510.17	4207386.62	0.00032	26.22	26.22	0	ANNUAL	ALL	5
598511.41	4207372.19	0.00033	26.34	26.34	0	ANNUAL	ALL	5
598512.64	4207357.77	0.00035	26.46	26.46	0	ANNUAL	ALL	5
598513.87	4207343.34	0.00037	26.51	26.51	0	ANNUAL	ALL	5
598515.1	4207328.91	0.00038	26.46	26.46	0	ANNUAL	ALL	5
598516.33	4207314.48	0.0004	26.48	26.48	0	ANNUAL	ALL	5
598517.56	4207300.05	0.00042	26.68	26.68	0	ANNUAL	ALL	5
598521.25	4207256.76	0.00047	26.89	26.89	0	ANNUAL	ALL	5
598522.48	4207242.33	0.00048	26.97	26.97	0	ANNUAL	ALL	5
598523.72	4207227.9	0.0005	27.05	27.05	0	ANNUAL	ALL	5
598526.18	4207199.04	0.00053	27.45	27.45	0	ANNUAL	ALL	5
598527.41	4207184.61	0.00054	27.54	27.54	0	ANNUAL	ALL	5
598528.64	4207170.18	0.00056	27.58	27.58	0	ANNUAL	ALL	5
598529.87	4207155.75	0.00057	27.62	27.62	0	ANNUAL	ALL	5
598531.1	4207141.32	0.00058	27.66	27.66	0	ANNUAL	ALL	5
598532.33	4207126.89	0.00059	27.68	27.68	0	ANNUAL	ALL	5
598533.56	4207112.46	0.0006	27.68	27.68	0	ANNUAL	ALL	5
598534.79	4207098.03	0.00061	27.7	27.7	0	ANNUAL	ALL	5
598547.17	4207074.35	0.00065	27.71	27.71	0	ANNUAL	ALL	5
598558.31	4207065.1	0.00068	27.66	27.66	0	ANNUAL	ALL	5
598569.46	4207055.85	0.00071	27.47	27.47	0	ANNUAL	ALL	5
598580.6	4207046.61	0.00075	27.32	27.32	0	ANNUAL	ALL	5
598591.75	4207037.36	0.00078	27.47	27.47	0	ANNUAL	ALL	5
598602.89	4207028.11	0.00081	27.66	27.66	0	ANNUAL	ALL	5
598614.04	4207018.86	0.00084	27.76	27.76	0	ANNUAL	ALL	5
598625.18	4207009.61	0.00087	27.85	27.85	0	ANNUAL	ALL	5

598636.33	4207000.36	0.00089	28	28	0	ANNUAL	ALL	5
598647.47	4206991.11	0.00091	28.07	28.07	0	ANNUAL	ALL	5
598658.61	4206981.87	0.00093	28.09	28.09	0	ANNUAL	ALL	5
598669.76	4206972.62	0.00095	27.9	27.9	0	ANNUAL	ALL	5
598680.9	4206963.37	0.00096	27.65	27.65	0	ANNUAL	ALL	5
598692.05	4206954.12	0.00096	27.64	27.64	0	ANNUAL	ALL	5
598703.19	4206944.87	0.00097	27.65	27.65	0	ANNUAL	ALL	5
598714.34	4206935.62	0.00096	27.78	27.78	0	ANNUAL	ALL	5
598725.48	4206926.38	0.00096	27.91	27.91	0	ANNUAL	ALL	5
598736.63	4206917.13	0.00095	28.01	28.01	0	ANNUAL	ALL	5
598747.77	4206907.88	0.00093	28.13	28.13	0	ANNUAL	ALL	5
598758.91	4206898.63	0.00091	28.27	28.27	0	ANNUAL	ALL	5
598770.06	4206889.38	0.00089	28.43	28.43	0	ANNUAL	ALL	5
598781.2	4206880.13	0.00087	28.66	28.66	0	ANNUAL	ALL	5
598792.35	4206870.88	0.00085	29.02	29.02	0	ANNUAL	ALL	5
598512.33	4207465.27	0.00025	25.17	25.17	0	ANNUAL	ALL	5
598515.08	4207475.72	0.00024	25.01	25.01	0	ANNUAL	ALL	5
598536.06	4207482.05	0.00025	24.83	24.83	0	ANNUAL	ALL	5
598540.53	4207495.95	0.00024	24.75	24.75	0	ANNUAL	ALL	5
598962.42	4207402.07	0.00806	22.96	22.96	0	ANNUAL	ALL	5
598943.3	4207399.97	0.0062	23.04	23.04	0	ANNUAL	ALL	5
598976.41	4207400.63	0.01125	22.94	22.94	0	ANNUAL	ALL	5
598965.58	4207415.74	0.00622	22.75	22.75	0	ANNUAL	ALL	5
598951.41	4207414.19	0.00518	22.81	22.81	0	ANNUAL	ALL	5
598937.25	4207412.63	0.00445	22.88	22.88	0	ANNUAL	ALL	5
598980.27	4207414.38	0.0083	22.78	22.78	0	ANNUAL	ALL	5
598968.94	4207429.44	0.00497	22.69	22.69	0	ANNUAL	ALL	5
598953.76	4207427.78	0.00418	22.76	22.76	0	ANNUAL	ALL	5
598938.59	4207426.11	0.00359	22.82	22.82	0	ANNUAL	ALL	5
598918.53	4207418.58	0.00334	22.9	22.9	0	ANNUAL	ALL	5
598984.14	4207428.13	0.00642	22.71	22.71	0	ANNUAL	ALL	5
598973.31	4207443.25	0.00412	22.64	22.64	0	ANNUAL	ALL	5
598959.14	4207441.69	0.00356	22.71	22.71	0	ANNUAL	ALL	5
598944.98	4207440.14	0.00311	22.79	22.79	0	ANNUAL	ALL	5
598930.82	4207438.58	0.00276	22.83	22.83	0	ANNUAL	ALL	5
598912.09	4207431.56	0.00259	22.95	22.95	0	ANNUAL	ALL	5
598902.97	4207420.61	0.00287	23.09	23.09	0	ANNUAL	ALL	5
598988	4207441.89	0.00511	22.63	22.63	0	ANNUAL	ALL	5
598976.82	4207456.96	0.00344	22.54	22.54	0	ANNUAL	ALL	5
598961.95	4207455.33	0.003	22.62	22.62	0	ANNUAL	ALL	5
598947.08	4207453.7	0.00263	22.71	22.71	0	ANNUAL	ALL	5
598932.2	4207452.06	0.00234	22.78	22.78	0	ANNUAL	ALL	5
598917.33	4207450.43	0.0021	22.84	22.84	0	ANNUAL	ALL	5
598905.11	4207443.87	0.00209	22.98	22.98	0	ANNUAL	ALL	5
598895.53	4207432.37	0.00229	23.12	23.12	0	ANNUAL	ALL	5
598885.95	4207420.88	0.00258	23.27	23.27	0	ANNUAL	ALL	5
598991.87	4207455.64	0.00417	22.51	22.51	0	ANNUAL	ALL	5
598982.23	4207476.22	0.00274	22.36	22.36	0	ANNUAL	ALL	5
598967.36	4207474.59	0.00244	22.46	22.46	0	ANNUAL	ALL	5
598952.49	4207472.95	0.00217	22.53	22.53	0	ANNUAL	ALL	5
598937.62	4207471.32	0.00194	22.59	22.59	0	ANNUAL	ALL	5
598922.74	4207469.69	0.00175	22.64	22.64	0	ANNUAL	ALL	5
598907.87	4207468.05	0.0016	22.76	22.76	0	ANNUAL	ALL	5
598895.65	4207461.49	0.00159	22.93	22.93	0	ANNUAL	ALL	5
598886.07	4207450	0.00171	23.04	23.04	0	ANNUAL	ALL	5
598876.49	4207438.5	0.00188	23.17	23.17	0	ANNUAL	ALL	5
598866.92	4207427.01	0.00213	23.35	23.35	0	ANNUAL	ALL	5
598997.28	4207474.89	0.00324	22.32	22.32	0	ANNUAL	ALL	5
598987.64	4207495.47	0.00224	22.17	22.17	0	ANNUAL	ALL	5
598972.77	4207493.84	0.00202	22.31	22.31	0	ANNUAL	ALL	5
598957.9	4207492.21	0.00182	22.44	22.44	0	ANNUAL	ALL	5
598943.03	4207490.57	0.00164	22.54	22.54	0	ANNUAL	ALL	5
598928.15	4207488.94	0.00149	22.55	22.55	0	ANNUAL	ALL	5
598913.28	4207487.31	0.00136	22.62	22.62	0	ANNUAL	ALL	5
598898.41	4207485.67	0.00126	22.77	22.77	0	ANNUAL	ALL	5
598886.19	4207479.11	0.00124	22.82	22.82	0	ANNUAL	ALL	5
598876.61	4207467.62	0.00132	22.92	22.92	0	ANNUAL	ALL	5
598867.03	4207456.12	0.00142	23.03	23.03	0	ANNUAL	ALL	5
598857.45	4207444.63	0.00156	23.17	23.17	0	ANNUAL	ALL	5
598847.88	4207433.14	0.00177	23.36	23.36	0	ANNUAL	ALL	5
599002.69	4207494.15	0.00258	22.19	22.19	0	ANNUAL	ALL	5

598993.05	4207514.73	0.00186	22.01	22.01	0	ANNUAL	ALL	5
598978.18	4207513.09	0.00169	22.15	22.15	0	ANNUAL	ALL	5
598963.31	4207511.46	0.00155	22.31	22.31	0	ANNUAL	ALL	5
598948.44	4207509.83	0.00141	22.49	22.49	0	ANNUAL	ALL	5
598933.57	4207508.19	0.00129	22.57	22.57	0	ANNUAL	ALL	5
598918.69	4207506.56	0.00118	22.56	22.56	0	ANNUAL	ALL	5
598903.82	4207504.93	0.00109	22.72	22.72	0	ANNUAL	ALL	5
598888.95	4207503.29	0.00101	22.81	22.81	0	ANNUAL	ALL	5
598876.73	4207496.73	0.001	22.8	22.8	0	ANNUAL	ALL	5
598867.15	4207485.24	0.00105	22.82	22.82	0	ANNUAL	ALL	5
598857.57	4207473.74	0.00111	22.85	22.85	0	ANNUAL	ALL	5
598847.99	4207462.25	0.00119	22.97	22.97	0	ANNUAL	ALL	5
598838.42	4207450.76	0.00129	23.2	23.2	0	ANNUAL	ALL	5
598828.84	4207439.26	0.00145	23.44	23.44	0	ANNUAL	ALL	5
599008.1	4207513.4	0.00211	22.08	22.08	0	ANNUAL	ALL	5
598998.46	4207533.98	0.00156	21.96	21.96	0	ANNUAL	ALL	5
598983.59	4207532.35	0.00144	22.04	22.04	0	ANNUAL	ALL	5
598968.72	4207530.71	0.00133	22.17	22.17	0	ANNUAL	ALL	5
598953.85	4207529.08	0.00122	22.23	22.23	0	ANNUAL	ALL	5
598857.69	4207502.86	0.00086	22.68	22.68	0	ANNUAL	ALL	5
598848.11	4207491.37	0.0009	22.68	22.68	0	ANNUAL	ALL	5
598838.53	4207479.87	0.00094	22.83	22.83	0	ANNUAL	ALL	5
598828.96	4207468.38	0.00099	23.06	23.06	0	ANNUAL	ALL	5
598819.38	4207456.89	0.00105	23.3	23.3	0	ANNUAL	ALL	5
598809.8	4207445.39	0.00112	23.55	23.55	0	ANNUAL	ALL	5
599013.51	4207532.66	0.00175	21.94	21.94	0	ANNUAL	ALL	5
599003.48	4207553.19	0.00133	21.72	21.72	0	ANNUAL	ALL	5
598987.83	4207551.47	0.00123	21.83	21.83	0	ANNUAL	ALL	5
598878.25	4207539.44	0.00072	22.29	22.29	0	ANNUAL	ALL	5
598857.55	4207531.67	0.00069	22.51	22.51	0	ANNUAL	ALL	5
598827.31	4207495.38	0.00078	22.79	22.79	0	ANNUAL	ALL	5
598817.23	4207483.28	0.00081	23	23	0	ANNUAL	ALL	5
598807.15	4207471.18	0.00085	23.23	23.23	0	ANNUAL	ALL	5
598797.06	4207459.08	0.00088	23.49	23.49	0	ANNUAL	ALL	5
598786.98	4207446.98	0.00092	23.69	23.69	0	ANNUAL	ALL	5
599018.92	4207551.91	0.00148	21.67	21.67	0	ANNUAL	ALL	5
599008.93	4207572.45	0.00115	21.39	21.39	0	ANNUAL	ALL	5
598884.29	4207558.76	0.00065	21.96	21.96	0	ANNUAL	ALL	5
598868.71	4207557.05	0.00061	22.19	22.19	0	ANNUAL	ALL	5
598848.12	4207549.32	0.00059	22.43	22.43	0	ANNUAL	ALL	5
598838.08	4207537.28	0.00061	22.6	22.6	0	ANNUAL	ALL	5
598807.98	4207501.16	0.00068	22.87	22.87	0	ANNUAL	ALL	5
598797.95	4207489.12	0.0007	23.08	23.08	0	ANNUAL	ALL	5
598787.92	4207477.08	0.00072	23.25	23.25	0	ANNUAL	ALL	5
599024.33	4207571.17	0.00126	21.35	21.35	0	ANNUAL	ALL	5
598967.82	4207586.6	0.00083	21.32	21.32	0	ANNUAL	ALL	5
598952.3	4207584.89	0.00077	21.38	21.38	0	ANNUAL	ALL	5
598936.78	4207583.19	0.00072	21.44	21.44	0	ANNUAL	ALL	5
598921.26	4207581.48	0.00067	21.49	21.49	0	ANNUAL	ALL	5
598905.75	4207579.78	0.00063	21.55	21.55	0	ANNUAL	ALL	5
598890.23	4207578.07	0.00059	21.66	21.66	0	ANNUAL	ALL	5
598874.71	4207576.37	0.00055	21.93	21.93	0	ANNUAL	ALL	5
598859.19	4207574.67	0.00053	22.11	22.11	0	ANNUAL	ALL	5
598838.68	4207566.97	0.00051	22.26	22.26	0	ANNUAL	ALL	5
598828.68	4207554.97	0.00052	22.39	22.39	0	ANNUAL	ALL	5
598818.69	4207542.98	0.00054	22.56	22.56	0	ANNUAL	ALL	5
598758.72	4207471.02	0.00065	23.4	23.4	0	ANNUAL	ALL	5
598748.73	4207459.03	0.00066	23.4	23.4	0	ANNUAL	ALL	5
599029.75	4207590.42	0.00109	21.2	21.2	0	ANNUAL	ALL	5
598927.01	4207600.77	0.00061	21.33	21.33	0	ANNUAL	ALL	5
598911.54	4207599.08	0.00057	21.41	21.41	0	ANNUAL	ALL	5
598896.08	4207597.38	0.00054	21.49	21.49	0	ANNUAL	ALL	5
598739.59	4207477.03	0.00057	23.54	23.54	0	ANNUAL	ALL	5
598729.63	4207465.08	0.00058	23.79	23.79	0	ANNUAL	ALL	5
599025.24	4207630.22	0.00078	20.81	20.81	0	ANNUAL	ALL	5
599009.82	4207628.53	0.00074	20.79	20.79	0	ANNUAL	ALL	5
598750.26	4207518.81	0.00047	23.05	23.05	0	ANNUAL	ALL	5
598740.33	4207506.89	0.00048	23.15	23.15	0	ANNUAL	ALL	5
599030.67	4207649.48	0.00069	20.59	20.59	0	ANNUAL	ALL	5
599015.29	4207647.79	0.00066	20.58	20.58	0	ANNUAL	ALL	5
598892.21	4207634.27	0.00043	21.21	21.21	0	ANNUAL	ALL	5

598876.83	4207632.58	0.00041	21.33	21.33	0	ANNUAL	ALL	5
598750.89	4207548.54	0.0004	22.89	22.89	0	ANNUAL	ALL	5
598740.98	4207536.65	0.00041	23.26	23.26	0	ANNUAL	ALL	5
598731.08	4207524.76	0.00042	23.32	23.32	0	ANNUAL	ALL	5
598721.17	4207512.87	0.00043	23.44	23.44	0	ANNUAL	ALL	5
598711.26	4207500.98	0.00044	23.6	23.6	0	ANNUAL	ALL	5
598679.41	4207486.49	0.00041	24	24	0	ANNUAL	ALL	5
599045.98	4207648.18	0.00074	20.61	20.61	0	ANNUAL	ALL	5
598962.24	4207676.95	0.00046	20.58	20.58	0	ANNUAL	ALL	5
598946.56	4207675.23	0.00043	20.69	20.69	0	ANNUAL	ALL	5
598930.87	4207673.51	0.00041	20.81	20.81	0	ANNUAL	ALL	5
598915.19	4207671.78	0.00039	20.94	20.94	0	ANNUAL	ALL	5
598899.5	4207670.06	0.00037	21.19	21.19	0	ANNUAL	ALL	5
598883.82	4207668.34	0.00035	21.34	21.34	0	ANNUAL	ALL	5
598836.77	4207663.17	0.00031	21.27	21.27	0	ANNUAL	ALL	5
598821.08	4207661.45	0.0003	21.17	21.17	0	ANNUAL	ALL	5
598805.4	4207659.73	0.00029	21.38	21.38	0	ANNUAL	ALL	5
598792.5	4207652.8	0.00028	21.57	21.57	0	ANNUAL	ALL	5
598782.4	4207640.68	0.00029	21.79	21.79	0	ANNUAL	ALL	5
598772.3	4207628.56	0.0003	22.02	22.02	0	ANNUAL	ALL	5
598762.2	4207616.44	0.0003	21.94	21.94	0	ANNUAL	ALL	5
598711.69	4207555.83	0.00034	23.01	23.01	0	ANNUAL	ALL	5
598701.59	4207543.71	0.00034	23.43	23.43	0	ANNUAL	ALL	5
598691.49	4207531.59	0.00035	23.75	23.75	0	ANNUAL	ALL	5
598681.39	4207519.46	0.00035	23.82	23.82	0	ANNUAL	ALL	5
598671.29	4207507.34	0.00036	23.86	23.86	0	ANNUAL	ALL	5
598661.18	4207495.22	0.00037	24.01	24.01	0	ANNUAL	ALL	5
598651.08	4207483.1	0.00037	24.18	24.18	0	ANNUAL	ALL	5
598973.45	4207713.17	0.00039	20.32	20.32	0	ANNUAL	ALL	5
598957.96	4207711.47	0.00038	20.46	20.46	0	ANNUAL	ALL	5
598942.47	4207709.77	0.00036	20.55	20.55	0	ANNUAL	ALL	5
598926.98	4207708.06	0.00034	20.76	20.76	0	ANNUAL	ALL	5
598911.49	4207706.36	0.00033	21	21	0	ANNUAL	ALL	5
598896	4207704.66	0.00031	21.3	21.3	0	ANNUAL	ALL	5
598880.51	4207702.96	0.0003	21.42	21.42	0	ANNUAL	ALL	5
598865.02	4207701.26	0.00028	21.45	21.45	0	ANNUAL	ALL	5
598849.53	4207699.56	0.00027	21.35	21.35	0	ANNUAL	ALL	5
598834.03	4207697.86	0.00026	21.08	21.08	0	ANNUAL	ALL	5
598818.54	4207696.16	0.00025	20.71	20.71	0	ANNUAL	ALL	5
598803.05	4207694.46	0.00025	20.97	20.97	0	ANNUAL	ALL	5
598787.56	4207692.75	0.00024	21.14	21.14	0	ANNUAL	ALL	5
598774.83	4207685.92	0.00024	21.34	21.34	0	ANNUAL	ALL	5
598764.85	4207673.95	0.00024	21.65	21.65	0	ANNUAL	ALL	5
598754.87	4207661.97	0.00025	21.91	21.91	0	ANNUAL	ALL	5
598744.9	4207650	0.00025	21.9	21.9	0	ANNUAL	ALL	5
598734.92	4207638.03	0.00026	21.74	21.74	0	ANNUAL	ALL	5
598675.06	4207566.2	0.00028	23.06	23.06	0	ANNUAL	ALL	5
598665.08	4207554.22	0.00029	23.45	23.45	0	ANNUAL	ALL	5
598655.11	4207542.25	0.00029	23.8	23.8	0	ANNUAL	ALL	5
598645.13	4207530.28	0.0003	24.03	24.03	0	ANNUAL	ALL	5
598635.15	4207518.31	0.0003	24.13	24.13	0	ANNUAL	ALL	5
598625.18	4207506.34	0.00031	24.2	24.2	0	ANNUAL	ALL	5
598615.2	4207494.36	0.00031	24.3	24.3	0	ANNUAL	ALL	5
598984.45	4207749.36	0.00034	20.1	20.1	0	ANNUAL	ALL	5
598969.11	4207747.68	0.00033	20.16	20.16	0	ANNUAL	ALL	5
598953.78	4207746	0.00032	20.22	20.22	0	ANNUAL	ALL	5
598938.44	4207744.31	0.0003	20.31	20.31	0	ANNUAL	ALL	5
598923.11	4207742.63	0.00029	20.66	20.66	0	ANNUAL	ALL	5
598907.77	4207740.94	0.00028	20.96	20.96	0	ANNUAL	ALL	5
598892.43	4207739.26	0.00027	21.23	21.23	0	ANNUAL	ALL	5
598877.1	4207737.57	0.00025	21.32	21.32	0	ANNUAL	ALL	5
598861.76	4207735.89	0.00024	21.27	21.27	0	ANNUAL	ALL	5
598846.43	4207734.21	0.00024	20.99	20.99	0	ANNUAL	ALL	5
598831.09	4207732.52	0.00023	20.72	20.72	0	ANNUAL	ALL	5
598815.75	4207730.84	0.00022	20.52	20.52	0	ANNUAL	ALL	5
598800.42	4207729.15	0.00021	20.76	20.76	0	ANNUAL	ALL	5
598785.08	4207727.47	0.00021	20.82	20.82	0	ANNUAL	ALL	5
598769.74	4207725.78	0.0002	20.76	20.76	0	ANNUAL	ALL	5
598697.88	4207647.9	0.00022	21.62	21.62	0	ANNUAL	ALL	5
598638.62	4207576.79	0.00024	23.22	23.22	0	ANNUAL	ALL	5
598628.74	4207564.93	0.00024	23.4	23.4	0	ANNUAL	ALL	5

598618.86	4207553.08	0.00025	23.79	23.79	0	ANNUAL	ALL	5
598608.98	4207541.23	0.00025	24.15	24.15	0	ANNUAL	ALL	5
598599.11	4207529.38	0.00026	24.34	24.34	0	ANNUAL	ALL	5
598589.23	4207517.53	0.00026	24.42	24.42	0	ANNUAL	ALL	5
598579.35	4207505.67	0.00026	24.48	24.48	0	ANNUAL	ALL	5
599008.91	4207787.04	0.00031	19.87	19.87	0	ANNUAL	ALL	5
598993.35	4207785.33	0.0003	20.13	20.13	0	ANNUAL	ALL	5
598977.78	4207783.62	0.00029	20.15	20.15	0	ANNUAL	ALL	5
598962.22	4207781.91	0.00028	20.11	20.11	0	ANNUAL	ALL	5
598946.66	4207780.2	0.00027	20.25	20.25	0	ANNUAL	ALL	5
598931.1	4207778.49	0.00026	20.46	20.46	0	ANNUAL	ALL	5
598915.53	4207776.78	0.00025	20.74	20.74	0	ANNUAL	ALL	5
598899.97	4207775.07	0.00024	20.77	20.77	0	ANNUAL	ALL	5
598884.41	4207773.36	0.00023	20.79	20.79	0	ANNUAL	ALL	5
598868.84	4207771.65	0.00022	20.78	20.78	0	ANNUAL	ALL	5
598853.28	4207769.95	0.00021	20.48	20.48	0	ANNUAL	ALL	5
598837.72	4207768.24	0.0002	20.27	20.27	0	ANNUAL	ALL	5
598822.15	4207766.53	0.0002	20.38	20.38	0	ANNUAL	ALL	5
598806.59	4207764.82	0.00019	20.48	20.48	0	ANNUAL	ALL	5
598791.03	4207763.11	0.00018	20.56	20.56	0	ANNUAL	ALL	5
598775.46	4207761.4	0.00018	20.44	20.44	0	ANNUAL	ALL	5
598759.9	4207759.69	0.00018	20.38	20.38	0	ANNUAL	ALL	5
598739.33	4207751.97	0.00017	20.42	20.42	0	ANNUAL	ALL	5
598729.3	4207739.94	0.00018	20.66	20.66	0	ANNUAL	ALL	5
598719.28	4207727.91	0.00018	20.84	20.84	0	ANNUAL	ALL	5
598709.26	4207715.88	0.00018	21.1	21.1	0	ANNUAL	ALL	5
598699.23	4207703.86	0.00019	21.46	21.46	0	ANNUAL	ALL	5
598689.21	4207691.83	0.00019	21.75	21.75	0	ANNUAL	ALL	5
598679.19	4207679.8	0.00019	21.81	21.81	0	ANNUAL	ALL	5
598669.17	4207667.77	0.00019	21.82	21.82	0	ANNUAL	ALL	5
598659.14	4207655.75	0.0002	21.92	21.92	0	ANNUAL	ALL	5
598609.03	4207595.61	0.00021	23.15	23.15	0	ANNUAL	ALL	5
598599	4207583.58	0.00021	23.35	23.35	0	ANNUAL	ALL	5
598588.98	4207571.55	0.00021	23.64	23.64	0	ANNUAL	ALL	5
598578.96	4207559.52	0.00021	24.02	24.02	0	ANNUAL	ALL	5
598568.93	4207547.5	0.00022	24.36	24.36	0	ANNUAL	ALL	5
598558.91	4207535.47	0.00022	24.68	24.68	0	ANNUAL	ALL	5
598548.89	4207523.44	0.00022	24.73	24.73	0	ANNUAL	ALL	5
598538.86	4207511.41	0.00023	24.76	24.76	0	ANNUAL	ALL	5
599018.07	4207468.95	0.00441	22.47	22.47	0	ANNUAL	ALL	5
599023.62	4207488.17	0.00339	22.41	22.41	0	ANNUAL	ALL	5
599029.17	4207507.39	0.00268	22.31	22.31	0	ANNUAL	ALL	5
599034.71	4207526.6	0.00217	22.08	22.08	0	ANNUAL	ALL	5
599040.26	4207545.82	0.00179	21.76	21.76	0	ANNUAL	ALL	5
599045.8	4207565.03	0.0015	21.43	21.43	0	ANNUAL	ALL	5
599051.35	4207584.25	0.00128	21.23	21.23	0	ANNUAL	ALL	5
599067.99	4207641.9	0.00084	20.6	20.6	0	ANNUAL	ALL	5

** CONCUNIT ug/m^3

** DEPUNIT g/m^2

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