

APPENDIX A

AIR QUALITY, GHG, AND HEALTH RISK MODELING RESULTS

EXISTING RETAIL CALEEMOD RESULTS

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

Delta Fair - Existing Retail

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	161.00	1000sqft	3.70	161,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	269.5	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E RPS

Land Use -

Construction Phase - zero out for operational only

Grading -

Vehicle Trips - per TIS

Energy Use -

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	8.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	269.5
tblVehicleTrips	ST_TR	49.97	14.75
tblVehicleTrips	SU_TR	25.24	14.75
tblVehicleTrips	WD_TR	42.70	14.75

2.0 Emissions Summary

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

2.1 Overall Construction

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		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	0.7129	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Energy	2.5300e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	266.1814	266.1814	0.0264	5.8300e-003	268.5786
Mobile	0.5388	2.5310	5.4552	0.0183	1.5496	0.0169	1.5665	0.4159	0.0158	0.4317	0.0000	1,684.6920	1,684.6920	0.0666	0.0000	1,686.3558
Waste						0.0000	0.0000		0.0000	0.0000	34.3156	0.0000	34.3156	2.0280	0.0000	85.0155
Water						0.0000	0.0000		0.0000	0.0000	3.7835	11.0156	14.7991	0.3898	9.4200e-003	27.3511
Total	1.2542	2.5541	5.4761	0.0185	1.5496	0.0186	1.5682	0.4159	0.0176	0.4335	38.0991	1,961.8919	1,999.9910	2.5108	0.0153	2,067.3041

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

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	0.7129	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Energy	2.5300e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	266.1814	266.1814	0.0264	5.8300e-003	268.5786
Mobile	0.5388	2.5310	5.4552	0.0183	1.5496	0.0169	1.5665	0.4159	0.0158	0.4317	0.0000	1,684.6920	1,684.6920	0.0666	0.0000	1,686.3558
Waste						0.0000	0.0000		0.0000	0.0000	34.3156	0.0000	34.3156	2.0280	0.0000	85.0155
Water						0.0000	0.0000		0.0000	0.0000	3.7835	11.0156	14.7991	0.3898	9.4200e-003	27.3511
Total	1.2542	2.5541	5.4761	0.0185	1.5496	0.0186	1.5682	0.4159	0.0176	0.4335	38.0991	1,961.8919	1,999.9910	2.5108	0.0153	2,067.3041

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

3.0 Construction Detail**Construction Phase**

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/2/2020	3/1/2020	5	0	
2	Site Preparation	Site Preparation	3/28/2020	3/27/2020	5	0	
3	Grading	Grading	4/4/2020	4/3/2020	5	0	
4	Building Construction	Building Construction	4/16/2020	4/15/2020	5	0	
5	Paving	Paving	3/4/2021	3/3/2021	5	0	
6	Architectural Coating	Architectural Coating	3/30/2021	3/29/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 241,500; Non-Residential Outdoor: 80,500; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	52.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.2 Demolition - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.2 Demolition - 2020

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.4 Grading - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.4 Grading - 2020

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.5 Building Construction - 2020

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2021

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.6 Paving - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.6 Paving - 2021

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

3.7 Architectural Coating - 2021**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**4.1 Mitigation Measures Mobile**

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive 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	0.5388	2.5310	5.4552	0.0183	1.5496	0.0169	1.5665	0.4159	0.0158	0.4317	0.0000	1,684.6920	1,684.6920	0.0666	0.0000	1,686.3558
Unmitigated	0.5388	2.5310	5.4552	0.0183	1.5496	0.0169	1.5665	0.4159	0.0158	0.4317	0.0000	1,684.6920	1,684.6920	0.0666	0.0000	1,686.3558

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	2,374.75	2,374.75	2374.75	4,163,661	4,163,661
Total	2,374.75	2,374.75	2,374.75	4,163,661	4,163,661

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768

5.0 Energy Detail

Historical Energy Use: Y

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

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	241.0940	241.0940	0.0259	5.3700e-003	243.3422
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	241.0940	241.0940	0.0259	5.3700e-003	243.3422
NaturalGas Mitigated	2.5300e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0874	25.0874	4.8000e-004	4.6000e-004	25.2365
NaturalGas Unmitigated	2.5300e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0874	25.0874	4.8000e-004	4.6000e-004	25.2365

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					
Regional Shopping Center	470120	2.5300e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0874	25.0874	4.8000e-004	4.6000e-004	25.2365
Total		2.5300e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0874	25.0874	4.8000e-004	4.6000e-004	25.2365

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

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					
Regional Shopping Center	470120	2.5300e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0874	25.0874	4.8000e-004	4.6000e-004	25.2365
Total		2.5300e-003	0.0231	0.0194	1.4000e-004		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	25.0874	25.0874	4.8000e-004	4.6000e-004	25.2365

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	1.97225e+006	241.0940	0.0259	5.3700e-003	243.3422
Total		241.0940	0.0259	5.3700e-003	243.3422

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Regional Shopping Center	1.97225e+006	241.0940	0.0259	5.3700e-003	243.3422
Total		241.0940	0.0259	5.3700e-003	243.3422

6.0 Area Detail**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.7129	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Unmitigated	0.7129	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0840					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6288					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Total	0.7129	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0840					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.6288					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003
Total	0.7129	1.0000e-005	1.4800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.8800e-003	2.8800e-003	1.0000e-005	0.0000	3.0700e-003

7.0 Water Detail

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	14.7991	0.3898	9.4200e-003	27.3511
Unmitigated	14.7991	0.3898	9.4200e-003	27.3511

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	11.9257 / 7.30929	14.7991	0.3898	9.4200e-003	27.3511
Total		14.7991	0.3898	9.4200e-003	27.3511

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Regional Shopping Center	11.9257 / 7.30929	14.7991	0.3898	9.4200e-003	27.3511
Total		14.7991	0.3898	9.4200e-003	27.3511

8.0 Waste Detail

8.1 Mitigation Measures Waste**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	34.3156	2.0280	0.0000	85.0155
Unmitigated	34.3156	2.0280	0.0000	85.0155

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	169.05	34.3156	2.0280	0.0000	85.0155
Total		34.3156	2.0280	0.0000	85.0155

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Regional Shopping Center	169.05	34.3156	2.0280	0.0000	85.0155
Total		34.3156	2.0280	0.0000	85.0155

9.0 Operational Offroad

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

Delta Fair - Existing Retail - Bay Area AQMD Air District, Annual

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

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

Delta Fair - Existing Retail

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	161.00	1000sqft	3.70	161,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	269.5	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E RPS

Land Use -

Construction Phase - zero out for operational only

Grading -

Vehicle Trips - per TIS

Energy Use -

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	8.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	269.5
tblVehicleTrips	ST_TR	49.97	14.75
tblVehicleTrips	SU_TR	25.24	14.75
tblVehicleTrips	WD_TR	42.70	14.75

2.0 Emissions Summary

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

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	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Energy	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
Mobile	3.4265	13.5518	30.5753	0.1066	8.8458	0.0925	8.9383	2.3667	0.0865	2.4532		10,791.7242	10,791.7242	0.4018		10,801.7680
Total	7.3473	13.6782	30.6979	0.1074	8.8458	0.1021	8.9479	2.3667	0.0962	2.4629		10,943.2889	10,943.2889	0.4047	2.7800e-003	10,954.2355

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	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Energy	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
Mobile	3.4265	13.5518	30.5753	0.1066	8.8458	0.0925	8.9383	2.3667	0.0865	2.4532		10,791.7242	10,791.7242	0.4018		10,801.7680
Total	7.3473	13.6782	30.6979	0.1074	8.8458	0.1021	8.9479	2.3667	0.0962	2.4629		10,943.2889	10,943.2889	0.4047	2.7800e-003	10,954.2355

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/2/2020	3/1/2020	5	0	
2	Site Preparation	Site Preparation	3/28/2020	3/27/2020	5	0	
3	Grading	Grading	4/4/2020	4/3/2020	5	0	
4	Building Construction	Building Construction	4/16/2020	4/15/2020	5	0	
5	Paving	Paving	3/4/2021	3/3/2021	5	0	
6	Architectural Coating	Architectural Coating	3/30/2021	3/29/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 241,500; Non-Residential Outdoor: 80,500; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	52.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.2 Demolition - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.2 Demolition - 2020

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.4 Grading - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.4 Grading - 2020

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2020

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2021

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.6 Paving - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.6 Paving - 2021

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2021**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**4.1 Mitigation Measures Mobile**

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.4265	13.5518	30.5753	0.1066	8.8458	0.0925	8.9383	2.3667	0.0865	2.4532		10,791.72 42	10,791.72 42	0.4018		10,801.76 80
Unmitigated	3.4265	13.5518	30.5753	0.1066	8.8458	0.0925	8.9383	2.3667	0.0865	2.4532		10,791.72 42	10,791.72 42	0.4018		10,801.76 80

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	2,374.75	2,374.75	2374.75	4,163,661	4,163,661
Total	2,374.75	2,374.75	2,374.75	4,163,661	4,163,661

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768

5.0 Energy Detail

Historical Energy Use: Y

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

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	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
NaturalGas Unmitigated	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299

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					
Regional Shopping Center	1288	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
Total		0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

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					
Regional Shopping Center	1.288	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
Total		0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299

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	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Unmitigated	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Total	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376

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	0.4600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Total	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376

7.0 Water Detail

Delta Fair - Existing Retail - Bay Area AQMD Air District, Summer

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

Delta Fair - Existing Retail

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Regional Shopping Center	161.00	1000sqft	3.70	161,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	269.5	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - PG&E RPS

Land Use -

Construction Phase - zero out for operational only

Grading -

Vehicle Trips - per TIS

Energy Use -

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	8.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	269.5
tblVehicleTrips	ST_TR	49.97	14.75
tblVehicleTrips	SU_TR	25.24	14.75
tblVehicleTrips	WD_TR	42.70	14.75

2.0 Emissions Summary

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

[illegible]

Mitigated Construction

[illegible][illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

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	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Energy	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
Mobile	2.9325	14.1053	31.6949	0.0998	8.8458	0.0933	8.9391	2.3667	0.0874	2.4540		10,097.5409	10,097.5409	0.4162		10,107.9464
Total	6.8533	14.2317	31.8174	0.1005	8.8458	0.1030	8.9488	2.3667	0.0970	2.4637		10,249.1056	10,249.1056	0.4192	2.7800e-003	10,260.4139

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	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Energy	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
Mobile	2.9325	14.1053	31.6949	0.0998	8.8458	0.0933	8.9391	2.3667	0.0874	2.4540		10,097.5409	10,097.5409	0.4162		10,107.9464
Total	6.8533	14.2317	31.8174	0.1005	8.8458	0.1030	8.9488	2.3667	0.0970	2.4637		10,249.1056	10,249.1056	0.4192	2.7800e-003	10,260.4139

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/2/2020	3/1/2020	5	0	
2	Site Preparation	Site Preparation	3/28/2020	3/27/2020	5	0	
3	Grading	Grading	4/4/2020	4/3/2020	5	0	
4	Building Construction	Building Construction	4/16/2020	4/15/2020	5	0	
5	Paving	Paving	3/4/2021	3/3/2021	5	0	
6	Architectural Coating	Architectural Coating	3/30/2021	3/29/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 241,500; Non-Residential Outdoor: 80,500; Striped Parking Area: 0
(Architectural Coating – sqft)

OffRoad Equipment

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	52.00	26.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.2 Demolition - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.2 Demolition - 2020

Mitigated Construction Off-Site

[illegible]

3.3 Site Preparation - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2020

Mitigated Construction Off-Site

[illegible]

3.4 Grading - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.4 Grading - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.4 Grading - 2020

Mitigated Construction Off-Site

[illegible]

3.5 Building Construction - 2020

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2020

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2020

Mitigated Construction Off-Site

[illegible]

3.6 Paving - 2021

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.6 Paving - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.6 Paving - 2021

Mitigated Construction Off-Site

[illegible]

3.7 Architectural Coating - 2021

Unmitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2021**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**4.1 Mitigation Measures Mobile**

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.9325	14.1053	31.6949	0.0998	8.8458	0.0933	8.9391	2.3667	0.0874	2.4540		10,097.5409	10,097.5409	0.4162		10,107.9464
Unmitigated	2.9325	14.1053	31.6949	0.0998	8.8458	0.0933	8.9391	2.3667	0.0874	2.4540		10,097.5409	10,097.5409	0.4162		10,107.9464

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Regional Shopping Center	2,374.75	2,374.75	2374.75	4,163,661	4,163,661
Total	2,374.75	2,374.75	2,374.75	4,163,661	4,163,661

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Regional Shopping Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768

5.0 Energy Detail

Historical Energy Use: Y

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

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	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
NaturalGas Unmitigated	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299

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					
Regional Shopping Center	1288	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
Total		0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

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					
Regional Shopping Center	1.288	0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299
Total		0.0139	0.1263	0.1061	7.6000e-004		9.6000e-003	9.6000e-003		9.6000e-003	9.6000e-003		151.5294	151.5294	2.9000e-003	2.7800e-003	152.4299

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	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Unmitigated	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Total	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376

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	0.4600					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4454					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5300e-003	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376
Total	3.9069	1.5000e-004	0.0165	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0352	0.0352	9.0000e-005		0.0376

7.0 Water Detail

Delta Fair - Existing Retail - Bay Area AQMD Air District, Winter

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

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

PROPOSED PROJECT CALEEMOD RESULTS

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

Delta Fair Village - Unmitigated

Bay Area AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	328.00	Space	0.00	141,440.00	0
Parking Lot	79.00	Space	0.90	31,600.00	0
Apartments Mid Rise	210.00	Dwelling Unit	3.00	210,000.00	601
Regional Shopping Center	73.54	1000sqft	1.69	73,535.00	0
Day-Care Center	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	269.5	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

Project Characteristics - PG&E RPS

Land Use - modified per applicant and for mixed use

Construction Phase - per applicant

Demolition -

Grading - per applicant

Vehicle Trips - Proposed Project only from Traffic Report

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	327.00
tblConstructionPhase	NumDays	230.00	327.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	PhaseEndDate	5/21/2021	9/20/2021
tblConstructionPhase	PhaseEndDate	3/26/2021	9/6/2021
tblConstructionPhase	PhaseEndDate	3/27/2020	3/16/2020
tblConstructionPhase	PhaseEndDate	5/8/2020	5/20/2020
tblConstructionPhase	PhaseEndDate	4/23/2021	6/4/2020
tblConstructionPhase	PhaseEndDate	4/10/2020	4/17/2020
tblConstructionPhase	PhaseStartDate	4/24/2021	6/19/2020
tblConstructionPhase	PhaseStartDate	5/9/2020	6/5/2020
tblConstructionPhase	PhaseStartDate	4/11/2020	4/20/2020

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

tblConstructionPhase	PhaseStartDate	3/27/2021	5/21/2020
tblConstructionPhase	PhaseStartDate	3/28/2020	3/17/2020
tblGrading	AcresOfGrading	11.50	4.00
tblGrading	MaterialExported	0.00	50.00
tblGrading	MaterialImported	0.00	100.00
tblLandUse	LandUseSquareFeet	131,200.00	141,440.00
tblLandUse	LotAcreage	2.95	0.00
tblLandUse	LotAcreage	0.71	0.90
tblLandUse	LotAcreage	5.53	3.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	269.5
tblTripsAndVMT	HaulingTripNumber	13.00	12.00
tblVehicleTrips	ST_TR	6.39	5.44
tblVehicleTrips	ST_TR	49.97	46.70
tblVehicleTrips	ST_TR	6.21	30.75
tblVehicleTrips	SU_TR	5.86	5.44
tblVehicleTrips	SU_TR	25.24	46.70
tblVehicleTrips	SU_TR	5.83	30.75
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	42.70	46.70
tblVehicleTrips	WD_TR	74.06	30.75

2.0 Emissions Summary

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

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					
2020	1.1965	3.2886	2.7427	6.5500e-003	0.5384	0.1499	0.6883	0.2207	0.1404	0.3611	0.0000	587.9242	587.9242	0.0863	0.0000	590.0806
2021	1.3859	2.3337	2.3836	6.1600e-003	0.2482	0.0963	0.3445	0.0669	0.0911	0.1580	0.0000	554.1945	554.1945	0.0623	0.0000	555.7524
Maximum	1.3859	3.2886	2.7427	6.5500e-003	0.5384	0.1499	0.6883	0.2207	0.1404	0.3611	0.0000	587.9242	587.9242	0.0863	0.0000	590.0806

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					
2020	1.1965	3.2886	2.7427	6.5500e-003	0.5384	0.1499	0.6883	0.2207	0.1404	0.3611	0.0000	587.9239	587.9239	0.0863	0.0000	590.0803
2021	1.3859	2.3337	2.3836	6.1600e-003	0.2482	0.0963	0.3445	0.0669	0.0911	0.1580	0.0000	554.1942	554.1942	0.0623	0.0000	555.7522
Maximum	1.3859	3.2886	2.7427	6.5500e-003	0.5384	0.1499	0.6883	0.2207	0.1404	0.3611	0.0000	587.9239	587.9239	0.0863	0.0000	590.0803

[illegible]

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-2-2020	6-1-2020	1.1678	1.1678
2	6-2-2020	9-1-2020	1.3512	1.3512
3	9-2-2020	12-1-2020	1.4423	1.4423
4	12-2-2020	3-1-2021	1.3638	1.3638
5	3-2-2021	6-1-2021	1.3548	1.3548
6	6-2-2021	9-1-2021	1.3520	1.3520
7	9-2-2021	9-30-2021	0.1422	0.1422
		Highest	1.4423	1.4423

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8581	0.0292	2.2326	1.4100e-003		0.1040	0.1040		0.1040	0.1040	9.5738	6.4881	16.0620	0.0179	6.3000e-004	16.6958
Energy	0.0111	0.0958	0.0458	6.1000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	417.4339	417.4339	0.0352	8.8600e-003	420.9541
Mobile	1.0879	5.1664	11.2905	0.0386	3.2768	0.0353	3.3121	0.8795	0.0331	0.9126	0.0000	3,540.470 2	3,540.470 2	0.1375	0.0000	3,543.906 9
Waste						0.0000	0.0000		0.0000	0.0000	36.3374	0.0000	36.3374	2.1475	0.0000	90.0244
Water						0.0000	0.0000		0.0000	0.0000	6.1231	18.0740	24.1972	0.6309	0.0153	44.5136
Total	2.9572	5.2914	13.5689	0.0406	3.2768	0.1470	3.4238	0.8795	0.1448	1.0243	52.0344	3,982.466 3	4,034.500 7	2.9689	0.0247	4,116.094 7

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

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	1.3736	0.0180	1.5654	8.0000e-005		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003	0.0000	2.5557	2.5557	2.4800e-003	0.0000	2.6177
Energy	0.0111	0.0958	0.0458	6.1000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	417.4339	417.4339	0.0352	8.8600e-003	420.9541
Mobile	1.0481	4.8763	10.3799	0.0344	2.8901	0.0318	2.9219	0.7757	0.0297	0.8055	0.0000	3,160.4423	3,160.4423	0.1269	0.0000	3,163.6141
Waste						0.0000	0.0000		0.0000	0.0000	36.3374	0.0000	36.3374	2.1475	0.0000	90.0244
Water						0.0000	0.0000		0.0000	0.0000	6.1231	18.0740	24.1972	0.6309	0.0153	44.5136
Total	2.4328	4.9901	11.9911	0.0351	2.8901	0.0481	2.9382	0.7757	0.0461	0.8218	42.4606	3,598.5059	3,640.9665	2.9429	0.0241	3,721.7239

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	17.73	5.69	11.63	13.48	11.80	67.29	14.18	11.80	68.20	19.77	18.40	9.64	9.75	0.88	2.55	9.58

3.0 Construction Detail**Construction Phase**

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/2/2020	3/16/2020	5	11	
2	Site Preparation	Site Preparation	3/17/2020	4/17/2020	5	24	
3	Grading	Grading	4/20/2020	5/20/2020	5	23	
4	Building Construction	Building Construction	6/5/2020	9/6/2021	5	327	
5	Paving	Paving	5/21/2020	6/4/2020	5	11	
6	Architectural Coating	Architectural Coating	6/19/2020	9/20/2021	5	327	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 4

Acres of Paving: 0.9

Residential Indoor: 425,250; Residential Outdoor: 141,750; Non-Residential Indoor: 116,303; Non-Residential Outdoor: 38,768; Striped Parking Area: 10,382 (Architectural Coating – sqft)

OffRoad Equipment

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	335.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	12.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	249.00	64.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0362	0.0000	0.0362	5.4800e-003	0.0000	5.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1826	0.1196	2.1000e-004		9.1200e-003	9.1200e-003		8.4800e-003	8.4800e-003	0.0000	18.6992	18.6992	5.2800e-003	0.0000	18.8312
Total	0.0182	0.1826	0.1196	2.1000e-004	0.0362	9.1200e-003	0.0453	5.4800e-003	8.4800e-003	0.0140	0.0000	18.6992	18.6992	5.2800e-003	0.0000	18.8312

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.2 Demolition - 2020**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	1.4000e-003	0.0490	9.8400e-003	1.3000e-004	2.8300e-003	1.6000e-004	2.9900e-003	7.8000e-004	1.5000e-004	9.3000e-004	0.0000	12.8368	12.8368	6.6000e-004	0.0000	12.8533
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	2.7000e-004	2.0000e-004	2.0300e-003	1.0000e-005	6.5000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5711	0.5711	1.0000e-005	0.0000	0.5715
Total	1.6700e-003	0.0492	0.0119	1.4000e-004	3.4800e-003	1.6000e-004	3.6500e-003	9.5000e-004	1.5000e-004	1.1100e-003	0.0000	13.4079	13.4079	6.7000e-004	0.0000	13.4248

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					0.0362	0.0000	0.0362	5.4800e-003	0.0000	5.4800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0182	0.1826	0.1196	2.1000e-004		9.1200e-003	9.1200e-003		8.4800e-003	8.4800e-003	0.0000	18.6992	18.6992	5.2800e-003	0.0000	18.8312
Total	0.0182	0.1826	0.1196	2.1000e-004	0.0362	9.1200e-003	0.0453	5.4800e-003	8.4800e-003	0.0140	0.0000	18.6992	18.6992	5.2800e-003	0.0000	18.8312

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.2 Demolition - 2020**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	1.4000e-003	0.0490	9.8400e-003	1.3000e-004	2.8300e-003	1.6000e-004	2.9900e-003	7.8000e-004	1.5000e-004	9.3000e-004	0.0000	12.8368	12.8368	6.6000e-004	0.0000	12.8533
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	2.7000e-004	2.0000e-004	2.0300e-003	1.0000e-005	6.5000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5711	0.5711	1.0000e-005	0.0000	0.5715
Total	1.6700e-003	0.0492	0.0119	1.4000e-004	3.4800e-003	1.6000e-004	3.6500e-003	9.5000e-004	1.5000e-004	1.1100e-003	0.0000	13.4079	13.4079	6.7000e-004	0.0000	13.4248

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2168	0.0000	0.2168	0.1192	0.0000	0.1192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0489	0.5090	0.2582	4.6000e-004		0.0264	0.0264		0.0243	0.0243	0.0000	40.1168	40.1168	0.0130	0.0000	40.4412
Total	0.0489	0.5090	0.2582	4.6000e-004	0.2168	0.0264	0.2432	0.1192	0.0243	0.1434	0.0000	40.1168	40.1168	0.0130	0.0000	40.4412

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.3 Site Preparation - 2020**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	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
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	7.2000e-004	5.1000e-004	5.3100e-003	2.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.4953	1.4953	4.0000e-005	0.0000	1.4962
Total	7.5000e-004	1.3900e-003	5.4900e-003	2.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.6000e-004	1.0000e-005	4.8000e-004	0.0000	1.7252	1.7252	5.0000e-005	0.0000	1.7264

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					0.2168	0.0000	0.2168	0.1192	0.0000	0.1192	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0489	0.5090	0.2582	4.6000e-004		0.0264	0.0264		0.0243	0.0243	0.0000	40.1168	40.1168	0.0130	0.0000	40.4411
Total	0.0489	0.5090	0.2582	4.6000e-004	0.2168	0.0264	0.2432	0.1192	0.0243	0.1434	0.0000	40.1168	40.1168	0.0130	0.0000	40.4411

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.3 Site Preparation - 2020**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	3.0000e-005	8.8000e-004	1.8000e-004	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.2299	0.2299	1.0000e-005	0.0000	0.2302
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	7.2000e-004	5.1000e-004	5.3100e-003	2.0000e-005	1.7100e-003	1.0000e-005	1.7200e-003	4.5000e-004	1.0000e-005	4.6000e-004	0.0000	1.4953	1.4953	4.0000e-005	0.0000	1.4962
Total	7.5000e-004	1.3900e-003	5.4900e-003	2.0000e-005	1.7600e-003	1.0000e-005	1.7700e-003	4.6000e-004	1.0000e-005	4.8000e-004	0.0000	1.7252	1.7252	5.0000e-005	0.0000	1.7264

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0714	0.0000	0.0714	0.0383	0.0000	0.0383	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.3034	0.1846	3.4000e-004		0.0146	0.0146		0.0135	0.0135	0.0000	29.9676	29.9676	9.6900e-003	0.0000	30.2099
Total	0.0279	0.3034	0.1846	3.4000e-004	0.0714	0.0146	0.0860	0.0383	0.0135	0.0518	0.0000	29.9676	29.9676	9.6900e-003	0.0000	30.2099

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.4 Grading - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.7500e-003	3.5000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.4598	0.4598	2.0000e-005	0.0000	0.4604
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	5.7000e-004	4.1000e-004	4.2400e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1942	1.1942	3.0000e-005	0.0000	1.1949
Total	6.2000e-004	2.1600e-003	4.5900e-003	1.0000e-005	1.4600e-003	2.0000e-005	1.4800e-003	3.9000e-004	2.0000e-005	4.0000e-004	0.0000	1.6540	1.6540	5.0000e-005	0.0000	1.6553

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					0.0714	0.0000	0.0714	0.0383	0.0000	0.0383	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0279	0.3034	0.1846	3.4000e-004		0.0146	0.0146		0.0135	0.0135	0.0000	29.9675	29.9675	9.6900e-003	0.0000	30.2098
Total	0.0279	0.3034	0.1846	3.4000e-004	0.0714	0.0146	0.0860	0.0383	0.0135	0.0518	0.0000	29.9675	29.9675	9.6900e-003	0.0000	30.2098

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.4 Grading - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	1.7500e-003	3.5000e-004	0.0000	1.0000e-004	1.0000e-005	1.1000e-004	3.0000e-005	1.0000e-005	3.0000e-005	0.0000	0.4598	0.4598	2.0000e-005	0.0000	0.4604
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	5.7000e-004	4.1000e-004	4.2400e-003	1.0000e-005	1.3600e-003	1.0000e-005	1.3700e-003	3.6000e-004	1.0000e-005	3.7000e-004	0.0000	1.1942	1.1942	3.0000e-005	0.0000	1.1949
Total	6.2000e-004	2.1600e-003	4.5900e-003	1.0000e-005	1.4600e-003	2.0000e-005	1.4800e-003	3.9000e-004	2.0000e-005	4.0000e-004	0.0000	1.6540	1.6540	5.0000e-005	0.0000	1.6553

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1590	1.4390	1.2636	2.0200e-003		0.0838	0.0838		0.0788	0.0788	0.0000	173.7075	173.7075	0.0424	0.0000	174.7670
Total	0.1590	1.4390	1.2636	2.0200e-003		0.0838	0.0838		0.0788	0.0788	0.0000	173.7075	173.7075	0.0424	0.0000	174.7670

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.5 Building Construction - 2020**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	0.0186	0.5538	0.1392	1.3100e-003	0.0315	2.7000e-003	0.0342	9.1000e-003	2.5800e-003	0.0117	0.0000	125.6733	125.6733	6.4800e-003	0.0000	125.8354
Worker	0.0619	0.0443	0.4587	1.4300e-003	0.1476	9.9000e-004	0.1486	0.0393	9.2000e-004	0.0402	0.0000	129.2834	129.2834	3.1300e-003	0.0000	129.3616
Total	0.0805	0.5981	0.5979	2.7400e-003	0.1791	3.6900e-003	0.1827	0.0484	3.5000e-003	0.0519	0.0000	254.9567	254.9567	9.6100e-003	0.0000	255.1970

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	0.1590	1.4390	1.2636	2.0200e-003		0.0838	0.0838		0.0788	0.0788	0.0000	173.7073	173.7073	0.0424	0.0000	174.7667
Total	0.1590	1.4390	1.2636	2.0200e-003		0.0838	0.0838		0.0788	0.0788	0.0000	173.7073	173.7073	0.0424	0.0000	174.7667

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.5 Building Construction - 2020**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	0.0186	0.5538	0.1392	1.3100e-003	0.0315	2.7000e-003	0.0342	9.1000e-003	2.5800e-003	0.0117	0.0000	125.6733	125.6733	6.4800e-003	0.0000	125.8354
Worker	0.0619	0.0443	0.4587	1.4300e-003	0.1476	9.9000e-004	0.1486	0.0393	9.2000e-004	0.0402	0.0000	129.2834	129.2834	3.1300e-003	0.0000	129.3616
Total	0.0805	0.5981	0.5979	2.7400e-003	0.1791	3.6900e-003	0.1827	0.0484	3.5000e-003	0.0519	0.0000	254.9567	254.9567	9.6100e-003	0.0000	255.1970

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1682	1.5427	1.4669	2.3800e-003		0.0848	0.0848		0.0798	0.0798	0.0000	204.9990	204.9990	0.0495	0.0000	206.2354
Total	0.1682	1.5427	1.4669	2.3800e-003		0.0848	0.0848		0.0798	0.0798	0.0000	204.9990	204.9990	0.0495	0.0000	206.2354

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.5 Building Construction - 2021**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	0.0180	0.5916	0.1477	1.5300e-003	0.0371	1.2900e-003	0.0384	0.0107	1.2300e-003	0.0120	0.0000	146.8924	146.8924	7.2200e-003	0.0000	147.0730
Worker	0.0676	0.0467	0.4943	1.6300e-003	0.1741	1.1400e-003	0.1753	0.0463	1.0500e-003	0.0474	0.0000	147.2016	147.2016	3.3000e-003	0.0000	147.2841
Total	0.0856	0.6383	0.6419	3.1600e-003	0.2113	2.4300e-003	0.2137	0.0571	2.2800e-003	0.0593	0.0000	294.0940	294.0940	0.0105	0.0000	294.3571

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	0.1682	1.5427	1.4669	2.3800e-003		0.0848	0.0848		0.0798	0.0798	0.0000	204.9988	204.9988	0.0495	0.0000	206.2352
Total	0.1682	1.5427	1.4669	2.3800e-003		0.0848	0.0848		0.0798	0.0798	0.0000	204.9988	204.9988	0.0495	0.0000	206.2352

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.5 Building Construction - 2021**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	0.0180	0.5916	0.1477	1.5300e-003	0.0371	1.2900e-003	0.0384	0.0107	1.2300e-003	0.0120	0.0000	146.8924	146.8924	7.2200e-003	0.0000	147.0730
Worker	0.0676	0.0467	0.4943	1.6300e-003	0.1741	1.1400e-003	0.1753	0.0463	1.0500e-003	0.0474	0.0000	147.2016	147.2016	3.3000e-003	0.0000	147.2841
Total	0.0856	0.6383	0.6419	3.1600e-003	0.2113	2.4300e-003	0.2137	0.0571	2.2800e-003	0.0593	0.0000	294.0940	294.0940	0.0105	0.0000	294.3571

3.6 Paving - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.4600e-003	0.0774	0.0806	1.3000e-004		4.1400e-003	4.1400e-003		3.8100e-003	3.8100e-003	0.0000	11.0155	11.0155	3.5600e-003	0.0000	11.1046
Paving	1.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.6400e-003	0.0774	0.0806	1.3000e-004		4.1400e-003	4.1400e-003		3.8100e-003	3.8100e-003	0.0000	11.0155	11.0155	3.5600e-003	0.0000	11.1046

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.6 Paving - 2020**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	2.7000e-004	2.0000e-004	2.0300e-003	1.0000e-005	6.5000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5711	0.5711	1.0000e-005	0.0000	0.5715
Total	2.7000e-004	2.0000e-004	2.0300e-003	1.0000e-005	6.5000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5711	0.5711	1.0000e-005	0.0000	0.5715

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	7.4600e-003	0.0774	0.0806	1.3000e-004		4.1400e-003	4.1400e-003		3.8100e-003	3.8100e-003	0.0000	11.0155	11.0155	3.5600e-003	0.0000	11.1046
Paving	1.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.6400e-003	0.0774	0.0806	1.3000e-004		4.1400e-003	4.1400e-003		3.8100e-003	3.8100e-003	0.0000	11.0155	11.0155	3.5600e-003	0.0000	11.1046

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.6 Paving - 2020**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	2.7000e-004	2.0000e-004	2.0300e-003	1.0000e-005	6.5000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5711	0.5711	1.0000e-005	0.0000	0.5715
Total	2.7000e-004	2.0000e-004	2.0300e-003	1.0000e-005	6.5000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5711	0.5711	1.0000e-005	0.0000	0.5715

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8215					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1179	0.1282	2.1000e-004		7.7700e-003	7.7700e-003		7.7700e-003	7.7700e-003	0.0000	17.8728	17.8728	1.3800e-003	0.0000	17.9074
Total	0.8384	0.1179	0.1282	2.1000e-004		7.7700e-003	7.7700e-003		7.7700e-003	7.7700e-003	0.0000	17.8728	17.8728	1.3800e-003	0.0000	17.9074

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.7 Architectural Coating - 2020**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	0.0116	8.3000e-003	0.0860	2.7000e-004	0.0277	1.9000e-004	0.0278	7.3600e-003	1.7000e-004	7.5300e-003	0.0000	24.2298	24.2298	5.9000e-004	0.0000	24.2445
Total	0.0116	8.3000e-003	0.0860	2.7000e-004	0.0277	1.9000e-004	0.0278	7.3600e-003	1.7000e-004	7.5300e-003	0.0000	24.2298	24.2298	5.9000e-004	0.0000	24.2445

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	0.8215					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1179	0.1282	2.1000e-004		7.7700e-003	7.7700e-003		7.7700e-003	7.7700e-003	0.0000	17.8728	17.8728	1.3800e-003	0.0000	17.9074
Total	0.8384	0.1179	0.1282	2.1000e-004		7.7700e-003	7.7700e-003		7.7700e-003	7.7700e-003	0.0000	17.8728	17.8728	1.3800e-003	0.0000	17.9074

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.7 Architectural Coating - 2020**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	0.0116	8.3000e-003	0.0860	2.7000e-004	0.0277	1.9000e-004	0.0278	7.3600e-003	1.7000e-004	7.5300e-003	0.0000	24.2298	24.2298	5.9000e-004	0.0000	24.2445
Total	0.0116	8.3000e-003	0.0860	2.7000e-004	0.0277	1.9000e-004	0.0278	7.3600e-003	1.7000e-004	7.5300e-003	0.0000	24.2298	24.2298	5.9000e-004	0.0000	24.2445

3.7 Architectural Coating - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.1428	0.1699	2.8000e-004		8.8000e-003	8.8000e-003		8.8000e-003	8.8000e-003	0.0000	23.8729	23.8729	1.6400e-003	0.0000	23.9139
Total	1.1177	0.1428	0.1699	2.8000e-004		8.8000e-003	8.8000e-003		8.8000e-003	8.8000e-003	0.0000	23.8729	23.8729	1.6400e-003	0.0000	23.9139

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.7 Architectural Coating - 2021**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	0.0144	9.9000e-003	0.1049	3.5000e-004	0.0369	2.4000e-004	0.0372	9.8300e-003	2.2000e-004	0.0101	0.0000	31.2285	31.2285	7.0000e-004	0.0000	31.2460
Total	0.0144	9.9000e-003	0.1049	3.5000e-004	0.0369	2.4000e-004	0.0372	9.8300e-003	2.2000e-004	0.0101	0.0000	31.2285	31.2285	7.0000e-004	0.0000	31.2460

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.0972					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0205	0.1428	0.1699	2.8000e-004		8.8000e-003	8.8000e-003		8.8000e-003	8.8000e-003	0.0000	23.8729	23.8729	1.6400e-003	0.0000	23.9139
Total	1.1177	0.1428	0.1699	2.8000e-004		8.8000e-003	8.8000e-003		8.8000e-003	8.8000e-003	0.0000	23.8729	23.8729	1.6400e-003	0.0000	23.9139

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

3.7 Architectural Coating - 2021**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	0.0144	9.9000e-003	0.1049	3.5000e-004	0.0369	2.4000e-004	0.0372	9.8300e-003	2.2000e-004	0.0101	0.0000	31.2285	31.2285	7.0000e-004	0.0000	31.2460
Total	0.0144	9.9000e-003	0.1049	3.5000e-004	0.0369	2.4000e-004	0.0372	9.8300e-003	2.2000e-004	0.0101	0.0000	31.2285	31.2285	7.0000e-004	0.0000	31.2460

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0481	4.8763	10.3799	0.0344	2.8901	0.0318	2.9219	0.7757	0.0297	0.8055	0.0000	3,160.442 3	3,160.442 3	0.1269	0.0000	3,163.614 1
Unmitigated	1.0879	5.1664	11.2905	0.0386	3.2768	0.0353	3.3121	0.8795	0.0331	0.9126	0.0000	3,540.470 2	3,540.470 2	0.1375	0.0000	3,543.906 9

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,142.40	1,142.40	1142.40	2,638,495	2,327,153
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	3,434.08	3,434.08	3434.08	6,020,997	5,310,519
Day-Care Center	123.00	123.00	123.00	144,848	127,756
Total	4,699.48	4,699.48	4,699.48	8,804,341	7,765,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	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
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Enclosed Parking with Elevator	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Parking Lot	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Regional Shopping Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Day-Care Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768

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	307.3805	307.3805	0.0331	6.8400e-003	310.2467
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	307.3805	307.3805	0.0331	6.8400e-003	310.2467
NaturalGas Mitigated	0.0111	0.0958	0.0458	6.1000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	110.0534	110.0534	2.1100e-003	2.0200e-003	110.7074
NaturalGas Unmitigated	0.0111	0.0958	0.0458	6.1000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	110.0534	110.0534	2.1100e-003	2.0200e-003	110.7074

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	1.81428e+006	9.7800e-003	0.0836	0.0356	5.3000e-004		6.7600e-003	6.7600e-003		6.7600e-003	6.7600e-003	0.0000	96.8171	96.8171	1.8600e-003	1.7700e-003	97.3925
Day-Care Center	73760	4.0000e-004	3.6200e-003	3.0400e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.9361	3.9361	8.0000e-005	7.0000e-005	3.9595
Enclosed Parking with Elevator	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
Regional Shopping Center	174278	9.4000e-004	8.5400e-003	7.1800e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.3001	9.3001	1.8000e-004	1.7000e-004	9.3554
Total		0.0111	0.0958	0.0458	6.0000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	110.0534	110.0534	2.1200e-003	2.0100e-003	110.7074

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

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					
Apartments Mid Rise	1.81428e+006	9.7800e-003	0.0836	0.0356	5.3000e-004		6.7600e-003	6.7600e-003		6.7600e-003	6.7600e-003	0.0000	96.8171	96.8171	1.8600e-003	1.7700e-003	97.3925
Day-Care Center	73760	4.0000e-004	3.6200e-003	3.0400e-003	2.0000e-005		2.7000e-004	2.7000e-004		2.7000e-004	2.7000e-004	0.0000	3.9361	3.9361	8.0000e-005	7.0000e-005	3.9595
Enclosed Parking with Elevator	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
Regional Shopping Center	174278	9.4000e-004	8.5400e-003	7.1800e-003	5.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	9.3001	9.3001	1.8000e-004	1.7000e-004	9.3554
Total		0.0111	0.0958	0.0458	6.0000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	110.0534	110.0534	2.1200e-003	2.0100e-003	110.7074

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	866954	105.9791	0.0114	2.3600e-003	106.9673
Day-Care Center	21560	2.6356	2.8000e-004	6.0000e-005	2.6601
Enclosed Parking with Elevator	828838	101.3198	0.0109	2.2600e-003	102.2646
Parking Lot	11060	1.3520	1.5000e-004	3.0000e-005	1.3646
Regional Shopping Center	786089	96.0940	0.0103	2.1400e-003	96.9901
Total		307.3805	0.0331	6.8500e-003	310.2467

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

5.3 Energy by Land Use - Electricity**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	866954	105.9791	0.0114	2.3600e-003	106.9673
Day-Care Center	21560	2.6356	2.8000e-004	6.0000e-005	2.6601
Enclosed Parking with Elevator	828838	101.3198	0.0109	2.2600e-003	102.2646
Parking Lot	11060	1.3520	1.5000e-004	3.0000e-005	1.3646
Regional Shopping Center	786089	96.0940	0.0103	2.1400e-003	96.9901
Total		307.3805	0.0331	6.8500e-003	310.2467

6.0 Area Detail**6.1 Mitigation Measures Area**

No Hearths Installed

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.3736	0.0180	1.5654	8.0000e-005		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003	0.0000	2.5557	2.5557	2.4800e-003	0.0000	2.6177
Unmitigated	1.8581	0.0292	2.2326	1.4100e-003		0.1040	0.1040		0.1040	0.1040	9.5738	6.4881	16.0620	0.0179	6.3000e-004	16.6958

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1919					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1342					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.4845	0.0112	0.6672	1.3300e-003		0.0954	0.0954		0.0954	0.0954	9.5738	3.9324	13.5063	0.0154	6.3000e-004	14.0780
Landscaping	0.0476	0.0180	1.5654	8.0000e-005		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003	0.0000	2.5557	2.5557	2.4800e-003	0.0000	2.6177
Total	1.8581	0.0292	2.2326	1.4100e-003		0.1040	0.1040		0.1040	0.1040	9.5738	6.4882	16.0620	0.0179	6.3000e-004	16.6958

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

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	0.1919					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.1342					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0476	0.0180	1.5654	8.0000e-005		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003	0.0000	2.5557	2.5557	2.4800e-003	0.0000	2.6177
Total	1.3736	0.0180	1.5654	8.0000e-005		8.6400e-003	8.6400e-003		8.6400e-003	8.6400e-003	0.0000	2.5557	2.5557	2.4800e-003	0.0000	2.6177

7.0 Water Detail**7.1 Mitigation Measures Water**

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	24.1972	0.6309	0.0153	44.5136
Unmitigated	24.1972	0.6309	0.0153	44.5136

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	13.6823 / 8.62583	17.0816	0.4472	0.0108	31.4835
Day-Care Center	0.171558 / 0.44115	0.3567	5.6200e-003	1.4000e-004	0.5386
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5.44655 / 3.33821	6.7589	0.1780	4.3000e-003	12.4915
Total		24.1972	0.6309	0.0153	44.5136

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

7.2 Water by Land Use**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	13.6823 / 8.62583	17.0816	0.4472	0.0108	31.4835
Day-Care Center	0.171558 / 0.44115	0.3567	5.6200e-003	1.4000e-004	0.5386
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	5.44655 / 3.33821	6.7589	0.1780	4.3000e-003	12.4915
Total		24.1972	0.6309	0.0153	44.5136

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	36.3374	2.1475	0.0000	90.0244
Unmitigated	36.3374	2.1475	0.0000	90.0244

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	96.6	19.6089	1.1589	0.0000	48.5803
Day-Care Center	5.2	1.0556	0.0624	0.0000	2.6151
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	77.21	15.6729	0.9262	0.0000	38.8290
Total		36.3374	2.1475	0.0000	90.0244

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	96.6	19.6089	1.1589	0.0000	48.5803
Day-Care Center	5.2	1.0556	0.0624	0.0000	2.6151
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Regional Shopping Center	77.21	15.6729	0.9262	0.0000	38.8290
Total		36.3374	2.1475	0.0000	90.0244

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
----------------	--------	----------------	-----------------	---------------	-----------

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Annual

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Delta Fair Village - Unmitigated
Bay Area AQMD Air District, Mitigation Report

Construction Mitigation Summary

Phase	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

OFFROAD Equipment Mitigation

Equipment Type	Fuel Type	Tier	Number Mitigated	Total Number of Equipment	DPF	Oxidation Catalyst
Air Compressors	Diesel	No Change	0	1	No Change	0.00
Concrete/Industrial Saws	Diesel	No Change	0	1	No Change	0.00
Cranes	Diesel	No Change	0	1	No Change	0.00
Excavators	Diesel	No Change	0	4	No Change	0.00
Forklifts	Diesel	No Change	0	3	No Change	0.00
Generator Sets	Diesel	No Change	0	1	No Change	0.00
Graders	Diesel	No Change	0	1	No Change	0.00
Pavers	Diesel	No Change	0	2	No Change	0.00
Paving Equipment	Diesel	No Change	0	2	No Change	0.00
Rollers	Diesel	No Change	0	2	No Change	0.00
Rubber Tired Dozers	Diesel	No Change	0	6	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	No Change	0	10	No Change	0.00
Welders	Diesel	No Change	0	1	No Change	0.00

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Unmitigated tons/yr							Unmitigated mt/yr					
Air Compressors	3.74200E-002	2.60630E-001	2.98140E-001	4.90000E-004	1.65600E-002	1.65600E-002	0.00000E+000	4.17457E+001	4.17457E+001	3.02000E-003	0.00000E+000	4.18213E+001
Concrete/Industrial Saws	2.30000E-003	1.81400E-002	2.02800E-002	3.00000E-005	1.09000E-003	1.09000E-003	0.00000E+000	2.95711E+000	2.95711E+000	1.90000E-004	0.00000E+000	2.96179E+000
Cranes	6.17300E-002	7.29340E-001	2.92370E-001	8.30000E-004	2.98300E-002	2.74500E-002	0.00000E+000	7.25185E+001	7.25185E+001	2.34500E-002	0.00000E+000	7.31048E+001
Excavators	6.86000E-003	6.75500E-002	9.15000E-002	1.40000E-004	3.27000E-003	3.01000E-003	0.00000E+000	1.27036E+001	1.27036E+001	4.11000E-003	0.00000E+000	1.28063E+001
Forklifts	6.67400E-002	6.05000E-001	5.75620E-001	7.50000E-004	4.39700E-002	4.04500E-002	0.00000E+000	6.58699E+001	6.58699E+001	2.13000E-002	0.00000E+000	6.64025E+001
Generator Sets	6.15600E-002	5.41100E-001	6.04010E-001	1.08000E-003	2.95600E-002	2.95600E-002	0.00000E+000	9.24114E+001	9.24114E+001	4.94000E-003	0.00000E+000	9.25349E+001
Graders	5.47000E-003	7.27400E-002	2.08700E-002	8.00000E-005	2.33000E-003	2.14000E-003	0.00000E+000	6.70524E+000	6.70524E+000	2.17000E-003	0.00000E+000	6.75946E+000
Pavers	2.89000E-003	3.09100E-002	3.18800E-002	5.00000E-005	1.50000E-003	1.38000E-003	0.00000E+000	4.54317E+000	4.54317E+000	1.47000E-003	0.00000E+000	4.57991E+000
Paving Equipment	2.28000E-003	2.35500E-002	2.78800E-002	4.00000E-005	1.18000E-003	1.08000E-003	0.00000E+000	3.93701E+000	3.93701E+000	1.27000E-003	0.00000E+000	3.96884E+000
Rollers	2.29000E-003	2.28900E-002	2.08300E-002	3.00000E-005	1.46000E-003	1.34000E-003	0.00000E+000	2.53534E+000	2.53534E+000	8.20000E-004	0.00000E+000	2.55584E+000
Rubber Tired Dozers	6.31500E-002	6.62940E-001	2.41700E-001	5.00000E-004	3.24700E-002	2.98700E-002	0.00000E+000	4.39073E+001	4.39073E+001	1.42000E-002	0.00000E+000	4.42623E+001
Tractors/Loaders/Backhoes	1.02040E-001	1.02854E+000	1.16197E+000	1.59000E-003	6.31600E-002	5.81000E-002	0.00000E+000	1.39643E+002	1.39643E+002	4.51600E-002	0.00000E+000	1.40772E+002
Welders	5.24400E-002	2.51390E-001	2.84640E-001	4.20000E-004	1.30800E-002	1.30800E-002	0.00000E+000	3.07741E+001	3.07741E+001	4.26000E-003	0.00000E+000	3.08805E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Mitigated tons/yr							Mitigated mt/yr					
Air Compressors	3.74200E-002	2.60630E-001	2.98140E-001	4.90000E-004	1.65600E-002	1.65600E-002	0.00000E+000	4.17457E+001	4.17457E+001	3.02000E-003	0.00000E+000	4.18212E+001
Concrete/Industrial Saws	2.30000E-003	1.81400E-002	2.02800E-002	3.00000E-005	1.09000E-003	1.09000E-003	0.00000E+000	2.95711E+000	2.95711E+000	1.90000E-004	0.00000E+000	2.96179E+000
Cranes	6.17300E-002	7.29340E-001	2.92370E-001	8.30000E-004	2.98300E-002	2.74500E-002	0.00000E+000	7.25184E+001	7.25184E+001	2.34500E-002	0.00000E+000	7.31047E+001
Excavators	6.86000E-003	6.75500E-002	9.15000E-002	1.40000E-004	3.27000E-003	3.01000E-003	0.00000E+000	1.27036E+001	1.27036E+001	4.11000E-003	0.00000E+000	1.28063E+001
Forklifts	6.67400E-002	6.05000E-001	5.75620E-001	7.50000E-004	4.39700E-002	4.04500E-002	0.00000E+000	6.58698E+001	6.58698E+001	2.13000E-002	0.00000E+000	6.64024E+001
Generator Sets	6.15600E-002	5.41100E-001	6.04010E-001	1.08000E-003	2.95600E-002	2.95600E-002	0.00000E+000	9.24113E+001	9.24113E+001	4.94000E-003	0.00000E+000	9.25348E+001
Graders	5.47000E-003	7.27400E-002	2.08700E-002	8.00000E-005	2.33000E-003	2.14000E-003	0.00000E+000	6.70523E+000	6.70523E+000	2.17000E-003	0.00000E+000	6.75945E+000
Pavers	2.89000E-003	3.09100E-002	3.18800E-002	5.00000E-005	1.50000E-003	1.38000E-003	0.00000E+000	4.54317E+000	4.54317E+000	1.47000E-003	0.00000E+000	4.57990E+000
Paving Equipment	2.28000E-003	2.35500E-002	2.78800E-002	4.00000E-005	1.18000E-003	1.08000E-003	0.00000E+000	3.93700E+000	3.93700E+000	1.27000E-003	0.00000E+000	3.96884E+000
Rollers	2.29000E-003	2.28900E-002	2.08300E-002	3.00000E-005	1.46000E-003	1.34000E-003	0.00000E+000	2.53533E+000	2.53533E+000	8.20000E-004	0.00000E+000	2.55583E+000
Rubber Tired Dozers	6.31500E-002	6.62940E-001	2.41700E-001	5.00000E-004	3.24700E-002	2.98700E-002	0.00000E+000	4.39073E+001	4.39073E+001	1.42000E-002	0.00000E+000	4.42623E+001
Tractors/Loaders/Balckhoes	1.02040E-001	1.02854E+000	1.16197E+000	1.59000E-003	6.31600E-002	5.81000E-002	0.00000E+000	1.39643E+002	1.39643E+002	4.51600E-002	0.00000E+000	1.40772E+002
Welders	5.24400E-002	2.51390E-001	2.84640E-001	4.20000E-004	1.30800E-002	1.30800E-002	0.00000E+000	3.07740E+001	3.07740E+001	4.26000E-003	0.00000E+000	3.08804E+001

Equipment Type	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Air Compressors	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19773E-006	1.19773E-006	0.00000E+000	0.00000E+000	1.19556E-006
Concrete/Industrial Saws	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24106E-006	1.24106E-006	0.00000E+000	0.00000E+000	1.09432E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	7.87179E-007	7.87179E-007	0.00000E+000	0.00000E+000	1.56173E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.21452E-006	1.21452E-006	0.00000E+000	0.00000E+000	1.20477E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.19033E-006	1.19033E-006	0.00000E+000	0.00000E+000	1.18874E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.49137E-006	1.49137E-006	0.00000E+000	0.00000E+000	1.47941E-006
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.18345E-006
Paving Equipment	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.54000E-006	2.54000E-006	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.94424E-006	3.94424E-006	0.00000E+000	0.00000E+000	3.91261E-006
Rubber Tired Dozers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13876E-006	1.13876E-006	0.00000E+000	0.00000E+000	1.12963E-006
Tractors/Loaders/Balckhoes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.14578E-006	1.14578E-006	0.00000E+000	0.00000E+000	1.20763E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.74847E-007	9.74847E-007	0.00000E+000	0.00000E+000	9.71488E-007

Fugitive Dust Mitigation

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	PM2.5 Reduction	
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	PM2.5 Reduction	
No	Water Exposed Area	PM10 Reduction	PM2.5 Reduction	Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %		Vehicle Speed (mph)	0.00		
No	Clean Paved Road	% PM Reduction	0.00				

Phase	Source	Unmitigated		Mitigated		Percent Reduction	
		PM10	PM2.5	PM10	PM2.5	PM10	PM2.5
Architectural Coating	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Architectural Coating	Roads	0.06	0.02	0.06	0.02	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	0.39	0.11	0.39	0.11	0.00	0.00
Demolition	Fugitive Dust	0.04	0.01	0.04	0.01	0.00	0.00
Demolition	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Grading	Fugitive Dust	0.07	0.04	0.07	0.04	0.00	0.00
Grading	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	Fugitive Dust	0.22	0.12	0.22	0.12	0.00	0.00
Site Preparation	Roads	0.00	0.00	0.00	0.00	0.00	0.00

Operational Percent Reduction Summary

Category	ROG	NOx	CO	SO2	Exhaust PM10	Exhaust PM2.5	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction												
Architectural Coating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Consumer Products	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Electricity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hearth	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Landscaping	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile	3.66	5.61	8.07	10.74	10.08	10.13	0.00	10.73	10.73	7.71	0.00	10.73
Natural Gas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Indoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Water Outdoor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Operational Mobile Mitigation

Project Setting: Suburban Center

Mitigation	Category	Measure	% Reduction	Input Value 1	Input Value 2	Input Value
No	Land Use	Increase Density	0.00	0.00	0.00	
No	Land Use	Increase Diversity	0.19	0.46		
No	Land Use	Improve Walkability Design	0.00	0.00		
No	Land Use	Improve Destination Accessibility	0.00	0.00		
Yes	Land Use	Increase Transit Accessibility	0.24	0.01		
No	Land Use	Integrate Below Market Rate Housing	0.00	0.00		
	Land Use	Land Use SubTotal	0.10			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	2.00	Project Site and Connecting Off-Site		
No	Neighborhood Enhancements	Provide Traffic Calming Measures	0.25	50.00	25.00	
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02			
No	Parking Policy Pricing	Limit Parking Supply	0.00	0.00		
No	Parking Policy Pricing	Unbundle Parking Costs	0.00	0.00		
No	Parking Policy Pricing	On-street Market Pricing	0.00	0.00		
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00	0.00		
No	Transit Improvements	Expand Transit Network	0.00	0.00		
No	Transit Improvements	Increase Transit Frequency	0.00		0.00	
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.12			
No	Commute	Implement Trip Reduction Program		0.00		
No	Commute	Transit Subsidy	0.00	0.00		
No	Commute	Implement Employee Parking "Cash Out"	4.50	0.00		
No	Commute	Workplace Parking Charge	0.00	0.00		
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00	0.00	0.00	0.00
No	Commute	Market Commute Trip Reduction Option	0.00	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00	0.00	2.00	
No	Commute	Provide Ride Sharing Program	10.00	0.00		
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00	0.00		
		Total VMT Reduction	0.12			

Area Mitigation

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
No	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	150.00
No	Use Low VOC Paint (Non-residential Interior)	100.00
No	Use Low VOC Paint (Non-residential Exterior)	150.00
No	Use Low VOC Paint (Parking)	150.00
No	% Electric Lawnmower	0.00
No	% Electric Leafblower	0.00
No	% Electric Chainsaw	0.00

Energy Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Exceed Title 24		
No	Install High Efficiency Lighting		
No	On-site Renewable		

Appliance Type	Land Use Subtype	% Improvement
ClothWasher		30.00
DishWasher		15.00
Fan		50.00
Refrigerator		15.00

Water Mitigation Measures

Measure Implemented	Mitigation Measure	Input Value 1	Input Value 2
No	Apply Water Conservation on Strategy		
No	Use Reclaimed Water		
No	Use Grey Water		
No	Install low-flow bathroom faucet	32.00	
No	Install low-flow Kitchen faucet	18.00	
No	Install low-flow Toilet	20.00	
No	Install low-flow Shower	20.00	
No	Turf Reduction		
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape		

Solid Waste Mitigation

Mitigation Measures	Input Value
---------------------	-------------

Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
--	--

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

Delta Fair Village - Unmitigated

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	328.00	Space	0.00	141,440.00	0
Parking Lot	79.00	Space	0.90	31,600.00	0
Apartments Mid Rise	210.00	Dwelling Unit	3.00	210,000.00	601
Regional Shopping Center	73.54	1000sqft	1.69	73,535.00	0
Day-Care Center	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	269.5	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

Project Characteristics - PG&E RPS

Land Use - modified per applicant and for mixed use

Construction Phase - per applicant

Demolition -

Grading - per applicant

Vehicle Trips - Proposed Project only from Traffic Report

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	327.00
tblConstructionPhase	NumDays	230.00	327.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	PhaseEndDate	5/21/2021	9/20/2021
tblConstructionPhase	PhaseEndDate	3/26/2021	9/6/2021
tblConstructionPhase	PhaseEndDate	3/27/2020	3/16/2020
tblConstructionPhase	PhaseEndDate	5/8/2020	5/20/2020
tblConstructionPhase	PhaseEndDate	4/23/2021	6/4/2020
tblConstructionPhase	PhaseEndDate	4/10/2020	4/17/2020
tblConstructionPhase	PhaseStartDate	4/24/2021	6/19/2020
tblConstructionPhase	PhaseStartDate	5/9/2020	6/5/2020
tblConstructionPhase	PhaseStartDate	4/11/2020	4/20/2020

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

tblConstructionPhase	PhaseStartDate	3/27/2021	5/21/2020
tblConstructionPhase	PhaseStartDate	3/28/2020	3/17/2020
tblGrading	AcresOfGrading	11.50	4.00
tblGrading	MaterialExported	0.00	50.00
tblGrading	MaterialImported	0.00	100.00
tblLandUse	LandUseSquareFeet	131,200.00	141,440.00
tblLandUse	LotAcreage	2.95	0.00
tblLandUse	LotAcreage	0.71	0.90
tblLandUse	LotAcreage	5.53	3.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	269.5
tblTripsAndVMT	HaulingTripNumber	13.00	12.00
tblVehicleTrips	ST_TR	6.39	5.44
tblVehicleTrips	ST_TR	49.97	46.70
tblVehicleTrips	ST_TR	6.21	30.75
tblVehicleTrips	SU_TR	5.86	5.44
tblVehicleTrips	SU_TR	25.24	46.70
tblVehicleTrips	SU_TR	5.83	30.75
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	42.70	46.70
tblVehicleTrips	WD_TR	74.06	30.75

2.0 Emissions Summary

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

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					
2020	15.3789	42.5268	28.4420	0.0721	18.2187	2.1986	20.4173	9.9711	2.0227	11.9939	0.0000	7,155.5645	7,155.5645	1.1965	0.0000	7,175.4576
2021	15.0147	26.1346	27.2967	0.0711	2.8894	1.0825	3.9719	0.7762	1.0233	1.7995	0.0000	7,052.1056	7,052.1056	0.7751	0.0000	7,071.4821
Maximum	15.3789	42.5268	28.4420	0.0721	18.2187	2.1986	20.4173	9.9711	2.0227	11.9939	0.0000	7,155.5645	7,155.5645	1.1965	0.0000	7,175.4576

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					
2020	15.3789	42.5268	28.4420	0.0721	18.2187	2.1986	20.4173	9.9711	2.0227	11.9939	0.0000	7,155.5645	7,155.5645	1.1965	0.0000	7,175.4575
2021	15.0147	26.1346	27.2967	0.0711	2.8894	1.0825	3.9719	0.7762	1.0233	1.7995	0.0000	7,052.1056	7,052.1056	0.7751	0.0000	7,071.4821
Maximum	15.3789	42.5268	28.4420	0.0721	18.2187	2.1986	20.4173	9.9711	2.0227	11.9939	0.0000	7,155.5645	7,155.5645	1.1965	0.0000	7,175.4575

[illegible]

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

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	94.1590	2.1098	131.4982	0.2208		16.2948	16.2948		16.2948	16.2948	1,757.877 7	809.5373	2,567.415 0	2.4359	0.1243	2,665.340 5
Energy	0.0609	0.5247	0.2509	3.3200e- 003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0127	0.0122	668.6794
Mobile	6.9024	27.6339	63.5760	0.2241	18.7050	0.1937	18.8987	5.0045	0.1813	5.1857		22,681.77 42	22,681.77 42	0.8316		22,702.56 32
Total	101.1223	30.2684	195.3251	0.4482	18.7050	16.5306	35.2356	5.0045	16.5182	21.5227	1,757.877 7	24,156.04 08	25,913.91 85	3.2802	0.1364	26,036.58 31

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	7.7943	0.2005	17.3935	9.2000e- 004		0.0960	0.0960		0.0960	0.0960	0.0000	31.3020	31.3020	0.0304	0.0000	32.0614
Energy	0.0609	0.5247	0.2509	3.3200e- 003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0127	0.0122	668.6794
Mobile	6.6787	26.1332	57.9293	0.2000	16.4978	0.1740	16.6719	4.4139	0.1629	4.5768		20,243.01 38	20,243.01 38	0.7644		20,262.12 33
Total	14.5340	26.8584	75.5737	0.2042	16.4978	0.3121	16.8100	4.4139	0.3010	4.7149	0.0000	20,939.04 51	20,939.04 51	0.8075	0.0122	20,962.86 42

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	85.63	11.27	61.31	54.43	11.80	98.11	52.29	11.80	98.18	78.09	100.00	13.32	19.20	75.38	91.07	19.49

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	3/2/2020	3/16/2020	5	11	
2	Site Preparation	Site Preparation	3/17/2020	4/17/2020	5	24	
3	Grading	Grading	4/20/2020	5/20/2020	5	23	
4	Building Construction	Building Construction	6/5/2020	9/6/2021	5	327	
5	Paving	Paving	5/21/2020	6/4/2020	5	11	
6	Architectural Coating	Architectural Coating	6/19/2020	9/20/2021	5	327	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 4****Acres of Paving: 0.9****Residential Indoor: 425,250; Residential Outdoor: 141,750; Non-Residential Indoor: 116,303; Non-Residential Outdoor: 38,768; Striped Parking Area: 10,382 (Architectural Coating – sqft)****OffRoad Equipment**

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	335.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	12.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	249.00	64.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5814	0.0000	6.5814	0.9965	0.0000	0.9965			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	6.5814	1.6587	8.2401	0.9965	1.5419	2.5383		3,747.7049	3,747.7049	1.0580		3,774.1536

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.2 Demolition - 2020**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	0.2513	8.7235	1.7338	0.0242	0.5320	0.0285	0.5606	0.1458	0.0273	0.1731		2,591.0226	2,591.0226	0.1296		2,594.2630
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.3034	8.7551	2.1362	0.0255	0.6553	0.0293	0.6846	0.1785	0.0280	0.2065		2,714.1391	2,714.1391	0.1326		2,717.4537

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					6.5814	0.0000	6.5814	0.9965	0.0000	0.9965			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	6.5814	1.6587	8.2401	0.9965	1.5419	2.5383	0.0000	3,747.7049	3,747.7049	1.0580		3,774.1536

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.2 Demolition - 2020**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	0.2513	8.7235	1.7338	0.0242	0.5320	0.0285	0.5606	0.1458	0.0273	0.1731		2,591.0226	2,591.0226	0.1296		2,594.2630
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.3034	8.7551	2.1362	0.0255	0.6553	0.0293	0.6846	0.1785	0.0280	0.2065		2,714.1391	2,714.1391	0.1326		2,717.4537

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0665	0.0000	18.0665	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0665	2.1974	20.2639	9.9307	2.0216	11.9523		3,685.1016	3,685.1016	1.1918		3,714.8975

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2020**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	2.0600e-003	0.0716	0.0142	2.0000e-004	4.3700e-003	2.3000e-004	4.6000e-003	1.2000e-003	2.2000e-004	1.4200e-003		21.2696	21.2696	1.0600e-003		21.2962
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	0.0646	0.1095	0.4972	1.6800e-003	0.1522	1.1900e-003	0.1534	0.0404	1.1000e-003	0.0415		169.0094	169.0094	4.6200e-003		169.1250

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					18.0665	0.0000	18.0665	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0665	2.1974	20.2639	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.3 Site Preparation - 2020**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	2.0600e-003	0.0716	0.0142	2.0000e-004	4.3700e-003	2.3000e-004	4.6000e-003	1.2000e-003	2.2000e-004	1.4200e-003		21.2696	21.2696	1.0600e-003		21.2962
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0626	0.0379	0.4830	1.4800e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		147.7398	147.7398	3.5600e-003		147.8288
Total	0.0646	0.1095	0.4972	1.6800e-003	0.1522	1.1900e-003	0.1534	0.0404	1.1000e-003	0.0415		169.0094	169.0094	4.6200e-003		169.1250

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2070	0.0000	6.2070	3.3302	0.0000	3.3302			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.485 1	2,872.485 1	0.9290		2,895.710 6
Total	2.4288	26.3859	16.0530	0.0297	6.2070	1.2734	7.4804	3.3302	1.1716	4.5018		2,872.485 1	2,872.485 1	0.9290		2,895.710 6

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.4 Grading - 2020**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	4.3100e-003	0.1495	0.0297	4.2000e-004	9.1100e-003	4.9000e-004	9.6000e-003	2.5000e-003	4.7000e-004	2.9700e-003		44.3887	44.3887	2.2200e-003		44.4442
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.0565	0.1810	0.4322	1.6600e-003	0.1323	1.2900e-003	0.1336	0.0352	1.2100e-003	0.0364		167.5052	167.5052	5.1900e-003		167.6349

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					6.2070	0.0000	6.2070	3.3302	0.0000	3.3302			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.485 1	2,872.485 1	0.9290		2,895.710 6
Total	2.4288	26.3859	16.0530	0.0297	6.2070	1.2734	7.4804	3.3302	1.1716	4.5018	0.0000	2,872.485 1	2,872.485 1	0.9290		2,895.710 6

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.4 Grading - 2020**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	4.3100e-003	0.1495	0.0297	4.2000e-004	9.1100e-003	4.9000e-004	9.6000e-003	2.5000e-003	4.7000e-004	2.9700e-003		44.3887	44.3887	2.2200e-003		44.4442
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.0565	0.1810	0.4322	1.6600e-003	0.1323	1.2900e-003	0.1336	0.0352	1.2100e-003	0.0364		167.5052	167.5052	5.1900e-003		167.6349

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2426	7.2936	1.7398	0.0176	0.4332	0.0358	0.4690	0.1247	0.0342	0.1589		1,866.9315	1,866.9315	0.0919		1,869.2300
Worker	0.8655	0.5240	6.6808	0.0205	2.0455	0.0132	2.0587	0.5426	0.0122	0.5548		2,043.7336	2,043.7336	0.0493		2,044.9648
Total	1.1081	7.8176	8.4206	0.0381	2.4787	0.0490	2.5277	0.6673	0.0464	0.7137		3,910.6652	3,910.6652	0.1412		3,914.1948

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2426	7.2936	1.7398	0.0176	0.4332	0.0358	0.4690	0.1247	0.0342	0.1589		1,866.9315	1,866.9315	0.0919		1,869.2300
Worker	0.8655	0.5240	6.6808	0.0205	2.0455	0.0132	2.0587	0.5426	0.0122	0.5548		2,043.7336	2,043.7336	0.0493		2,044.9648
Total	1.1081	7.8176	8.4206	0.0381	2.4787	0.0490	2.5277	0.6673	0.0464	0.7137		3,910.6652	3,910.6652	0.1412		3,914.1948

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1985	6.6138	1.5596	0.0175	0.4332	0.0143	0.4476	0.1247	0.0137	0.1384		1,849.334 7	1,849.334 7	0.0868		1,851.504 6
Worker	0.8006	0.4679	6.1162	0.0198	2.0455	0.0129	2.0584	0.5426	0.0119	0.5544		1,971.979 2	1,971.979 2	0.0441		1,973.081 2
Total	0.9991	7.0817	7.6758	0.0372	2.4787	0.0272	2.5059	0.6673	0.0256	0.6928		3,821.313 9	3,821.313 9	0.1309		3,824.585 8

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1985	6.6138	1.5596	0.0175	0.4332	0.0143	0.4476	0.1247	0.0137	0.1384		1,849.334 7	1,849.334 7	0.0868		1,851.504 6
Worker	0.8006	0.4679	6.1162	0.0198	2.0455	0.0129	2.0584	0.5426	0.0119	0.5544		1,971.979 2	1,971.979 2	0.0441		1,973.081 2
Total	0.9991	7.0817	7.6758	0.0372	2.4787	0.0272	2.5059	0.6673	0.0256	0.6928		3,821.313 9	3,821.313 9	0.1309		3,824.585 8

3.6 Paving - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.733 4	2,207.733 4	0.7140		2,225.584 1
Paving	0.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5709	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.733 4	2,207.733 4	0.7140		2,225.584 1

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.6 Paving - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5709	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.6 Paving - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907
Total	0.0521	0.0316	0.4025	1.2400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		123.1165	123.1165	2.9700e-003		123.1907

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.7350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	11.9771	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1738	0.1052	1.3415	4.1200e-003	0.4107	2.6600e-003	0.4134	0.1090	2.4500e-003	0.1114		410.3883	410.3883	9.8900e-003		410.6355
Total	0.1738	0.1052	1.3415	4.1200e-003	0.4107	2.6600e-003	0.4134	0.1090	2.4500e-003	0.1114		410.3883	410.3883	9.8900e-003		410.6355

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	11.7350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	11.9771	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1738	0.1052	1.3415	4.1200e-003	0.4107	2.6600e-003	0.4134	0.1090	2.4500e-003	0.1114		410.3883	410.3883	9.8900e-003		410.6355
Total	0.1738	0.1052	1.3415	4.1200e-003	0.4107	2.6600e-003	0.4134	0.1090	2.4500e-003	0.1114		410.3883	410.3883	9.8900e-003		410.6355

3.7 Architectural Coating - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.7350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	11.9539	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1608	0.0940	1.2282	3.9700e-003	0.4107	2.5800e-003	0.4133	0.1090	2.3800e-003	0.1113		395.9798	395.9798	8.8500e-003		396.2011
Total	0.1608	0.0940	1.2282	3.9700e-003	0.4107	2.5800e-003	0.4133	0.1090	2.3800e-003	0.1113		395.9798	395.9798	8.8500e-003		396.2011

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	11.7350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	11.9539	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

3.7 Architectural Coating - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1608	0.0940	1.2282	3.9700e-003	0.4107	2.5800e-003	0.4133	0.1090	2.3800e-003	0.1113		395.9798	395.9798	8.8500e-003		396.2011
Total	0.1608	0.0940	1.2282	3.9700e-003	0.4107	2.5800e-003	0.4133	0.1090	2.3800e-003	0.1113		395.9798	395.9798	8.8500e-003		396.2011

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	6.6787	26.1332	57.9293	0.2000	16.4978	0.1740	16.6719	4.4139	0.1629	4.5768		20,243.01 38	20,243.01 38	0.7644		20,262.12 33
Unmitigated	6.9024	27.6339	63.5760	0.2241	18.7050	0.1937	18.8987	5.0045	0.1813	5.1857		22,681.77 42	22,681.77 42	0.8316		22,702.56 32

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,142.40	1,142.40	1142.40	2,638,495	2,327,153
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	3,434.08	3,434.08	3434.08	6,020,997	5,310,519
Day-Care Center	123.00	123.00	123.00	144,848	127,756
Total	4,699.48	4,699.48	4,699.48	8,804,341	7,765,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	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
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Enclosed Parking with Elevator	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Parking Lot	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Regional Shopping Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Day-Care Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768

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	0.0609	0.5247	0.2509	3.3200e-003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0127	0.0122	668.6794
NaturalGas Unmitigated	0.0609	0.5247	0.2509	3.3200e-003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0127	0.0122	668.6794

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4970.64	0.0536	0.4581	0.1949	2.9200e-003		0.0370	0.0370		0.0370	0.0370		584.7815	584.7815	0.0112	0.0107	588.2565
Day-Care Center	202.082	2.1800e-003	0.0198	0.0166	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003		23.7744	23.7744	4.6000e-004	4.4000e-004	23.9157
Enclosed Parking with Elevator	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
Regional Shopping Center	477.474	5.1500e-003	0.0468	0.0393	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003		56.1734	56.1734	1.0800e-003	1.0300e-003	56.5072
Total		0.0609	0.5247	0.2509	3.3200e-003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0128	0.0122	668.6794

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

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					
Apartments Mid Rise	4.97064	0.0536	0.4581	0.1949	2.9200e-003		0.0370	0.0370		0.0370	0.0370		584.7815	584.7815	0.0112	0.0107	588.2565
Day-Care Center	0.202082	2.1800e-003	0.0198	0.0166	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003		23.7744	23.7744	4.6000e-004	4.4000e-004	23.9157
Enclosed Parking with Elevator	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
Regional Shopping Center	0.477474	5.1500e-003	0.0468	0.0393	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003		56.1734	56.1734	1.0800e-003	1.0300e-003	56.5072
Total		0.0609	0.5247	0.2509	3.3200e-003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0128	0.0122	668.6794

6.0 Area Detail**6.1 Mitigation Measures Area**

No Hearths Installed

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.7943	0.2005	17.3935	9.2000e-004		0.0960	0.0960		0.0960	0.0960	0.0000	31.3020	31.3020	0.0304	0.0000	32.0614
Unmitigated	94.1590	2.1098	131.4982	0.2208		16.2948	16.2948		16.2948	16.2948	1,757.8777	809.5373	2,567.4150	2.4359	0.1243	2,665.3405

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	1.0513					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	86.3646	1.9093	114.1047	0.2198		16.1988	16.1988		16.1988	16.1988	1,757.8777	778.2353	2,536.1130	2.4056	0.1243	2,633.2791
Landscaping	0.5285	0.2005	17.3935	9.2000e-004		0.0960	0.0960		0.0960	0.0960		31.3020	31.3020	0.0304		32.0614
Total	94.1590	2.1098	131.4982	0.2208		16.2949	16.2949		16.2949	16.2949	1,757.8777	809.5373	2,567.4150	2.4359	0.1243	2,665.3405

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

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	1.0513					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5285	0.2005	17.3935	9.2000e-004		0.0960	0.0960		0.0960	0.0960		31.3020	31.3020	0.0304		32.0614
Total	7.7943	0.2005	17.3935	9.2000e-004		0.0960	0.0960		0.0960	0.0960	0.0000	31.3020	31.3020	0.0304	0.0000	32.0614

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Summer

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

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

Delta Fair Village - Unmitigated

Bay Area AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Enclosed Parking with Elevator	328.00	Space	0.00	141,440.00	0
Parking Lot	79.00	Space	0.90	31,600.00	0
Apartments Mid Rise	210.00	Dwelling Unit	3.00	210,000.00	601
Regional Shopping Center	73.54	1000sqft	1.69	73,535.00	0
Day-Care Center	4.00	1000sqft	0.09	4,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	269.5	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

Project Characteristics - PG&E RPS

Land Use - modified per applicant and for mixed use

Construction Phase - per applicant

Demolition -

Grading - per applicant

Vehicle Trips - Proposed Project only from Traffic Report

Energy Use -

Mobile Land Use Mitigation -

Area Mitigation -

Mobile Commute Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	327.00
tblConstructionPhase	NumDays	230.00	327.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	20.00	23.00
tblConstructionPhase	NumDays	20.00	11.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	PhaseEndDate	5/21/2021	9/20/2021
tblConstructionPhase	PhaseEndDate	3/26/2021	9/6/2021
tblConstructionPhase	PhaseEndDate	3/27/2020	3/16/2020
tblConstructionPhase	PhaseEndDate	5/8/2020	5/20/2020
tblConstructionPhase	PhaseEndDate	4/23/2021	6/4/2020
tblConstructionPhase	PhaseEndDate	4/10/2020	4/17/2020
tblConstructionPhase	PhaseStartDate	4/24/2021	6/19/2020
tblConstructionPhase	PhaseStartDate	5/9/2020	6/5/2020
tblConstructionPhase	PhaseStartDate	4/11/2020	4/20/2020

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

tblConstructionPhase	PhaseStartDate	3/27/2021	5/21/2020
tblConstructionPhase	PhaseStartDate	3/28/2020	3/17/2020
tblGrading	AcresOfGrading	11.50	4.00
tblGrading	MaterialExported	0.00	50.00
tblGrading	MaterialImported	0.00	100.00
tblLandUse	LandUseSquareFeet	131,200.00	141,440.00
tblLandUse	LotAcreage	2.95	0.00
tblLandUse	LotAcreage	0.71	0.90
tblLandUse	LotAcreage	5.53	3.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	269.5
tblTripsAndVMT	HaulingTripNumber	13.00	12.00
tblVehicleTrips	ST_TR	6.39	5.44
tblVehicleTrips	ST_TR	49.97	46.70
tblVehicleTrips	ST_TR	6.21	30.75
tblVehicleTrips	SU_TR	5.86	5.44
tblVehicleTrips	SU_TR	25.24	46.70
tblVehicleTrips	SU_TR	5.83	30.75
tblVehicleTrips	WD_TR	6.65	5.44
tblVehicleTrips	WD_TR	42.70	46.70
tblVehicleTrips	WD_TR	74.06	30.75

2.0 Emissions Summary

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

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					
2020	15.4516	42.5375	28.2047	0.0698	18.2187	2.1986	20.4173	9.9711	2.0227	11.9939	0.0000	6,914.8410	6,914.8410	1.1969	0.0000	6,934.8256
2021	15.0835	26.3237	27.0567	0.0688	2.8894	1.0830	3.9724	0.7762	1.0238	1.8000	0.0000	6,818.5402	6,818.5402	0.7786	0.0000	6,838.0050
Maximum	15.4516	42.5375	28.2047	0.0698	18.2187	2.1986	20.4173	9.9711	2.0227	11.9939	0.0000	6,914.8410	6,914.8410	1.1969	0.0000	6,934.8256

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					
2020	15.4516	42.5375	28.2047	0.0698	18.2187	2.1986	20.4173	9.9711	2.0227	11.9939	0.0000	6,914.8410	6,914.8410	1.1969	0.0000	6,934.8256
2021	15.0835	26.3237	27.0567	0.0688	2.8894	1.0830	3.9724	0.7762	1.0238	1.8000	0.0000	6,818.5402	6,818.5402	0.7786	0.0000	6,838.0050
Maximum	15.4516	42.5375	28.2047	0.0698	18.2187	2.1986	20.4173	9.9711	2.0227	11.9939	0.0000	6,914.8410	6,914.8410	1.1969	0.0000	6,934.8256

[illegible]

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

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	94.1590	2.1098	131.4982	0.2208		16.2948	16.2948		16.2948	16.2948	1,757.877 7	809.5373	2,567.415 0	2.4359	0.1243	2,665.340 5
Energy	0.0609	0.5247	0.2509	3.3200e- 003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0127	0.0122	668.6794
Mobile	5.9229	28.8141	65.4528	0.2098	18.7050	0.1954	18.9004	5.0045	0.1829	5.1874		21,226.03 20	21,226.03 20	0.8585		21,247.49 50
Total	100.1428	31.4485	197.2019	0.4338	18.7050	16.5323	35.2373	5.0045	16.5199	21.5243	1,757.877 7	22,700.29 86	24,458.17 63	3.3072	0.1364	24,581.51 49

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	7.7943	0.2005	17.3935	9.2000e- 004		0.0960	0.0960		0.0960	0.0960	0.0000	31.3020	31.3020	0.0304	0.0000	32.0614
Energy	0.0609	0.5247	0.2509	3.3200e- 003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0127	0.0122	668.6794
Mobile	5.7026	27.1571	60.4294	0.1871	16.4978	0.1758	16.6736	4.4139	0.1645	4.5785		18,938.12 14	18,938.12 14	0.7944		18,957.98 18
Total	13.5579	27.8823	78.0738	0.1914	16.4978	0.3139	16.8117	4.4139	0.3026	4.7166	0.0000	19,634.15 26	19,634.15 26	0.8375	0.0122	19,658.72 26

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	86.46	11.34	60.41	55.89	11.80	98.10	52.29	11.80	98.17	78.09	100.00	13.51	19.72	74.68	91.07	20.03

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	3/2/2020	3/16/2020	5	11	
2	Site Preparation	Site Preparation	3/17/2020	4/17/2020	5	24	
3	Grading	Grading	4/20/2020	5/20/2020	5	23	
4	Building Construction	Building Construction	6/5/2020	9/6/2021	5	327	
5	Paving	Paving	5/21/2020	6/4/2020	5	11	
6	Architectural Coating	Architectural Coating	6/19/2020	9/20/2021	5	327	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 4****Acres of Paving: 0.9****Residential Indoor: 425,250; Residential Outdoor: 141,750; Non-Residential Indoor: 116,303; Non-Residential Outdoor: 38,768; Striped Parking Area: 10,382 (Architectural Coating – sqft)****OffRoad Equipment**

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	335.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	6.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	12.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	249.00	64.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	50.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5814	0.0000	6.5814	0.9965	0.0000	0.9965			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419		3,747.7049	3,747.7049	1.0580		3,774.1536
Total	3.3121	33.2010	21.7532	0.0388	6.5814	1.6587	8.2401	0.9965	1.5419	2.5383		3,747.7049	3,747.7049	1.0580		3,774.1536

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.2 Demolition - 2020**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	0.2582	8.9376	1.8665	0.0238	0.5320	0.0290	0.5611	0.1458	0.0278	0.1736		2,547.503 2	2,547.503 2	0.1361		2,550.906 5
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.3133	8.9766	2.2444	0.0250	0.6553	0.0298	0.6851	0.1785	0.0285	0.2070		2,660.913 0	2,660.913 0	0.1389		2,664.385 6

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					6.5814	0.0000	6.5814	0.9965	0.0000	0.9965			0.0000			0.0000
Off-Road	3.3121	33.2010	21.7532	0.0388		1.6587	1.6587		1.5419	1.5419	0.0000	3,747.704 9	3,747.704 9	1.0580		3,774.153 6
Total	3.3121	33.2010	21.7532	0.0388	6.5814	1.6587	8.2401	0.9965	1.5419	2.5383	0.0000	3,747.704 9	3,747.704 9	1.0580		3,774.153 6

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.2 Demolition - 2020**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	0.2582	8.9376	1.8665	0.0238	0.5320	0.0290	0.5611	0.1458	0.0278	0.1736		2,547.503 2	2,547.503 2	0.1361		2,550.906 5
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.3133	8.9766	2.2444	0.0250	0.6553	0.0298	0.6851	0.1785	0.0285	0.2070		2,660.913 0	2,660.913 0	0.1389		2,664.385 6

3.3 Site Preparation - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0665	0.0000	18.0665	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216		3,685.101 6	3,685.101 6	1.1918		3,714.897 5
Total	4.0765	42.4173	21.5136	0.0380	18.0665	2.1974	20.2639	9.9307	2.0216	11.9523		3,685.101 6	3,685.101 6	1.1918		3,714.897 5

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2020**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	2.1200e-003	0.0734	0.0153	2.0000e-004	4.3700e-003	2.4000e-004	4.6100e-003	1.2000e-003	2.3000e-004	1.4200e-003		20.9123	20.9123	1.1200e-003		20.9403
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	0.0683	0.1202	0.4689	1.5700e-003	0.1522	1.2000e-003	0.1534	0.0404	1.1100e-003	0.0415		157.0041	157.0041	4.4500e-003		157.1153

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					18.0665	0.0000	18.0665	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.0765	42.4173	21.5136	0.0380		2.1974	2.1974		2.0216	2.0216	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975
Total	4.0765	42.4173	21.5136	0.0380	18.0665	2.1974	20.2639	9.9307	2.0216	11.9523	0.0000	3,685.1016	3,685.1016	1.1918		3,714.8975

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.3 Site Preparation - 2020**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	2.1200e-003	0.0734	0.0153	2.0000e-004	4.3700e-003	2.4000e-004	4.6100e-003	1.2000e-003	2.3000e-004	1.4200e-003		20.9123	20.9123	1.1200e-003		20.9403
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0662	0.0468	0.4536	1.3700e-003	0.1479	9.6000e-004	0.1488	0.0392	8.8000e-004	0.0401		136.0918	136.0918	3.3300e-003		136.1750
Total	0.0683	0.1202	0.4689	1.5700e-003	0.1522	1.2000e-003	0.1534	0.0404	1.1100e-003	0.0415		157.0041	157.0041	4.4500e-003		157.1153

3.4 Grading - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2070	0.0000	6.2070	3.3302	0.0000	3.3302			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716		2,872.485 1	2,872.485 1	0.9290		2,895.710 6
Total	2.4288	26.3859	16.0530	0.0297	6.2070	1.2734	7.4804	3.3302	1.1716	4.5018		2,872.485 1	2,872.485 1	0.9290		2,895.710 6

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.4 Grading - 2020**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	4.4200e-003	0.1531	0.0320	4.1000e-004	9.1100e-003	5.0000e-004	9.6100e-003	2.5000e-003	4.8000e-004	2.9700e-003		43.6431	43.6431	2.3300e-003		43.7015
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.0596	0.1921	0.4100	1.5500e-003	0.1323	1.3000e-003	0.1336	0.0352	1.2200e-003	0.0364		157.0530	157.0530	5.1000e-003		157.1806

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					6.2070	0.0000	6.2070	3.3302	0.0000	3.3302			0.0000			0.0000
Off-Road	2.4288	26.3859	16.0530	0.0297		1.2734	1.2734		1.1716	1.1716	0.0000	2,872.485 1	2,872.485 1	0.9290		2,895.710 6
Total	2.4288	26.3859	16.0530	0.0297	6.2070	1.2734	7.4804	3.3302	1.1716	4.5018	0.0000	2,872.485 1	2,872.485 1	0.9290		2,895.710 6

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.4 Grading - 2020**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	4.4200e-003	0.1531	0.0320	4.1000e-004	9.1100e-003	5.0000e-004	9.6100e-003	2.5000e-003	4.8000e-004	2.9700e-003		43.6431	43.6431	2.3300e-003		43.7015
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.0596	0.1921	0.4100	1.5500e-003	0.1323	1.3000e-003	0.1336	0.0352	1.2200e-003	0.0364		157.0530	157.0530	5.1000e-003		157.1806

3.5 Building Construction - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2553	7.3752	1.9903	0.0172	0.4332	0.0364	0.4696	0.1247	0.0348	0.1595		1,819.694 4	1,819.694 4	0.0994		1,822.180 4
Worker	0.9154	0.6474	6.2745	0.0189	2.0455	0.0132	2.0587	0.5426	0.0122	0.5548		1,882.602 9	1,882.602 9	0.0461		1,883.754 0
Total	1.1708	8.0226	8.2649	0.0361	2.4787	0.0496	2.5283	0.6673	0.0470	0.7142		3,702.297 2	3,702.297 2	0.1455		3,705.934 5

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503	0.0000	2,553.063 1	2,553.063 1	0.6229		2,568.634 5

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2553	7.3752	1.9903	0.0172	0.4332	0.0364	0.4696	0.1247	0.0348	0.1595		1,819.694 4	1,819.694 4	0.0994		1,822.180 4
Worker	0.9154	0.6474	6.2745	0.0189	2.0455	0.0132	2.0587	0.5426	0.0122	0.5548		1,882.602 9	1,882.602 9	0.0461		1,883.754 0
Total	1.1708	8.0226	8.2649	0.0361	2.4787	0.0496	2.5283	0.6673	0.0470	0.7142		3,702.297 2	3,702.297 2	0.1455		3,705.934 5

3.5 Building Construction - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.363 9	2,553.363 9	0.6160		2,568.764 3

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2102	6.6707	1.7926	0.0170	0.4332	0.0148	0.4481	0.1247	0.0142	0.1389		1,802.413 7	1,802.413 7	0.0939		1,804.761 3
Worker	0.8482	0.5780	5.7223	0.0182	2.0455	0.0129	2.0584	0.5426	0.0119	0.5544		1,816.546 2	1,816.546 2	0.0411		1,817.573 8
Total	1.0584	7.2487	7.5149	0.0352	2.4787	0.0277	2.5064	0.6673	0.0260	0.6933		3,618.960 0	3,618.960 0	0.1350		3,622.335 2

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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013	0.0000	2,553.363 9	2,553.363 9	0.6160		2,568.764 3

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.5 Building Construction - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2102	6.6707	1.7926	0.0170	0.4332	0.0148	0.4481	0.1247	0.0142	0.1389		1,802.413 7	1,802.413 7	0.0939		1,804.761 3
Worker	0.8482	0.5780	5.7223	0.0182	2.0455	0.0129	2.0584	0.5426	0.0119	0.5544		1,816.546 2	1,816.546 2	0.0411		1,817.573 8
Total	1.0584	7.2487	7.5149	0.0352	2.4787	0.0277	2.5064	0.6673	0.0260	0.6933		3,618.960 0	3,618.960 0	0.1350		3,622.335 2

3.6 Paving - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.733 4	2,207.733 4	0.7140		2,225.584 1
Paving	0.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5709	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.733 4	2,207.733 4	0.7140		2,225.584 1

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.6 Paving - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792

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	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.2144					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.5709	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.6 Paving - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792
Total	0.0552	0.0390	0.3780	1.1400e-003	0.1232	8.0000e-004	0.1240	0.0327	7.4000e-004	0.0334		113.4098	113.4098	2.7700e-003		113.4792

3.7 Architectural Coating - 2020**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.7350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	11.9771	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2020**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1838	0.1300	1.2599	3.7900e-003	0.4107	2.6600e-003	0.4134	0.1090	2.4500e-003	0.1114		378.0327	378.0327	9.2500e-003		378.2639
Total	0.1838	0.1300	1.2599	3.7900e-003	0.4107	2.6600e-003	0.4134	0.1090	2.4500e-003	0.1114		378.0327	378.0327	9.2500e-003		378.2639

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	11.7350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928
Total	11.9771	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109	0.0000	281.4481	281.4481	0.0218		281.9928

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2020**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1838	0.1300	1.2599	3.7900e-003	0.4107	2.6600e-003	0.4134	0.1090	2.4500e-003	0.1114		378.0327	378.0327	9.2500e-003		378.2639
Total	0.1838	0.1300	1.2599	3.7900e-003	0.4107	2.6600e-003	0.4134	0.1090	2.4500e-003	0.1114		378.0327	378.0327	9.2500e-003		378.2639

3.7 Architectural Coating - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	11.7350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	11.9539	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1703	0.1161	1.1491	3.6600e-003	0.4107	2.5800e-003	0.4133	0.1090	2.3800e-003	0.1113		364.7683	364.7683	8.2500e-003		364.9747
Total	0.1703	0.1161	1.1491	3.6600e-003	0.4107	2.5800e-003	0.4133	0.1090	2.3800e-003	0.1113		364.7683	364.7683	8.2500e-003		364.9747

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	11.7350					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
Total	11.9539	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

3.7 Architectural Coating - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1703	0.1161	1.1491	3.6600e-003	0.4107	2.5800e-003	0.4133	0.1090	2.3800e-003	0.1113		364.7683	364.7683	8.2500e-003		364.9747
Total	0.1703	0.1161	1.1491	3.6600e-003	0.4107	2.5800e-003	0.4133	0.1090	2.3800e-003	0.1113		364.7683	364.7683	8.2500e-003		364.9747

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile**

Increase Transit Accessibility

Improve Pedestrian Network

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.7026	27.1571	60.4294	0.1871	16.4978	0.1758	16.6736	4.4139	0.1645	4.5785		18,938.12 14	18,938.12 14	0.7944		18,957.98 18
Unmitigated	5.9229	28.8141	65.4528	0.2098	18.7050	0.1954	18.9004	5.0045	0.1829	5.1874		21,226.03 20	21,226.03 20	0.8585		21,247.49 50

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,142.40	1,142.40	1142.40	2,638,495	2,327,153
Enclosed Parking with Elevator	0.00	0.00	0.00		
Parking Lot	0.00	0.00	0.00		
Regional Shopping Center	3,434.08	3,434.08	3434.08	6,020,997	5,310,519
Day-Care Center	123.00	123.00	123.00	144,848	127,756
Total	4,699.48	4,699.48	4,699.48	8,804,341	7,765,428

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	10.80	4.80	5.70	31.00	15.00	54.00	86	11	3
Enclosed Parking with Elevator	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
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Day-Care Center	9.50	7.30	7.30	12.70	82.30	5.00	28	58	14

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Enclosed Parking with Elevator	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Parking Lot	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Regional Shopping Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768
Day-Care Center	0.576985	0.039376	0.193723	0.112069	0.016317	0.005358	0.017943	0.025814	0.002614	0.002274	0.005874	0.000887	0.000768

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	0.0609	0.5247	0.2509	3.3200e-003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0127	0.0122	668.6794
NaturalGas Unmitigated	0.0609	0.5247	0.2509	3.3200e-003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0127	0.0122	668.6794

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

5.2 Energy by Land Use - NaturalGas**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4970.64	0.0536	0.4581	0.1949	2.9200e-003		0.0370	0.0370		0.0370	0.0370		584.7815	584.7815	0.0112	0.0107	588.2565
Day-Care Center	202.082	2.1800e-003	0.0198	0.0166	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003		23.7744	23.7744	4.6000e-004	4.4000e-004	23.9157
Enclosed Parking with Elevator	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
Regional Shopping Center	477.474	5.1500e-003	0.0468	0.0393	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003		56.1734	56.1734	1.0800e-003	1.0300e-003	56.5072
Total		0.0609	0.5247	0.2509	3.3200e-003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0128	0.0122	668.6794

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

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					
Apartments Mid Rise	4.97064	0.0536	0.4581	0.1949	2.9200e-003		0.0370	0.0370		0.0370	0.0370		584.7815	584.7815	0.0112	0.0107	588.2565
Day-Care Center	0.202082	2.1800e-003	0.0198	0.0166	1.2000e-004		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003		23.7744	23.7744	4.6000e-004	4.4000e-004	23.9157
Enclosed Parking with Elevator	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
Regional Shopping Center	0.477474	5.1500e-003	0.0468	0.0393	2.8000e-004		3.5600e-003	3.5600e-003		3.5600e-003	3.5600e-003		56.1734	56.1734	1.0800e-003	1.0300e-003	56.5072
Total		0.0609	0.5247	0.2509	3.3200e-003		0.0421	0.0421		0.0421	0.0421		664.7292	664.7292	0.0128	0.0122	668.6794

6.0 Area Detail**6.1 Mitigation Measures Area**

No Hearths Installed

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.7943	0.2005	17.3935	9.2000e-004		0.0960	0.0960		0.0960	0.0960	0.0000	31.3020	31.3020	0.0304	0.0000	32.0614
Unmitigated	94.1590	2.1098	131.4982	0.2208		16.2948	16.2948		16.2948	16.2948	1,757.8777	809.5373	2,567.4150	2.4359	0.1243	2,665.3405

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	1.0513					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	86.3646	1.9093	114.1047	0.2198		16.1988	16.1988		16.1988	16.1988	1,757.8777	778.2353	2,536.1130	2.4056	0.1243	2,633.2791
Landscaping	0.5285	0.2005	17.3935	9.2000e-004		0.0960	0.0960		0.0960	0.0960		31.3020	31.3020	0.0304		32.0614
Total	94.1590	2.1098	131.4982	0.2208		16.2949	16.2949		16.2949	16.2949	1,757.8777	809.5373	2,567.4150	2.4359	0.1243	2,665.3405

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

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	1.0513					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.2145					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.5285	0.2005	17.3935	9.2000e-004		0.0960	0.0960		0.0960	0.0960		31.3020	31.3020	0.0304		32.0614
Total	7.7943	0.2005	17.3935	9.2000e-004		0.0960	0.0960		0.0960	0.0960	0.0000	31.3020	31.3020	0.0304	0.0000	32.0614

7.0 Water Detail**7.1 Mitigation Measures Water****8.0 Waste Detail****8.1 Mitigation Measures Waste****9.0 Operational Offroad**

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

10.0 Stationary Equipment

Delta Fair Village - Unmitigated - Bay Area AQMD Air District, Winter

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

**Unmitigated CONSTRUCTION HEALTH RISK ANALYSIS
AERMOD**

AERMOD Model Options

Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	Delta Fair
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	C:\Users\jbyrne\Desktop\TRAVIS~1\745160\745160.SFC
ME	PROFFILE	Profile met file	C:\Users\jbyrne\Desktop\TRAVIS~1\745160\745160.PFL
ME	SURFDATA	Surf met data info.	23202 2009 TRAVISAFB
ME	UAIRDATA	U-Air met data info.	23230 2009
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	18.9
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU	DAYTABLE	Print summary opt.
----	----------	--------------------

Source Parameter Tables

All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height
			East (m)	North (m)	(m)			(m)
OB9YA001	VOLUME	Construction Equipment	602092.2	4206378.4	0	0.001128637	(g/s)	5
OB9YA002	VOLUME	Construction Equipment	602155.8	4206378.4	0	0.001128637	(g/s)	5
OB9YA003	VOLUME	Construction Equipment	602092.2	4206442.0	0	0.001128637	(g/s)	5
OB9YA004	VOLUME	Construction Equipment	602155.8	4206442.0	0	0.001128637	(g/s)	5
OB9YA005	VOLUME	Construction Equipment	602155.8	4206505.6	0	0.001128637	(g/s)	5
OB9YA007	VOLUME	Construction Equipment	602155.8	4206569.3	0	0.001128637	(g/s)	5
OB9YA009	VOLUME	Construction Equipment	602155.8	4206632.9	0	0.001128637	(g/s)	5

Volume Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	Init. Lat. Dim.	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s)	(m)	(m)	(m)
OB9YA001	Construction Equipment	602092.2	4206378.4	0	0.001128637	5	29.59	1
OB9YA002	Construction Equipment	602155.8	4206378.4	0	0.001128637	5	29.59	1
OB9YA003	Construction Equipment	602092.2	4206442.0	0	0.001128637	5	29.59	1
OB9YA004	Construction Equipment	602155.8	4206442.0	0	0.001128637	5	29.59	1
OB9YA005	Construction Equipment	602155.8	4206505.6	0	0.001128637	5	29.59	1
OB9YA007	Construction Equipment	602155.8	4206569.3	0	0.001128637	5	29.59	1
OB9YA009	Construction Equipment	602155.8	4206632.9	0	0.001128637	5	29.59	1

BREEZE AERMOD Model Results

Max. Annual (5 YEARS) Results of Pollutant: PM25 (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
			East (m)	North (m)					
ALL	1ST	0.11147	602221.60	4206458.40	0.00	0.00	1.80	DC	
	2ND	0.11072	602221.60	4206453.40	0.00	0.00	1.80	DC	
	3RD	0.10972	602221.60	4206448.40	0.00	0.00	1.80	DC	
	4TH	0.10846	602221.60	4206443.40	0.00	0.00	1.80	DC	
	5TH	0.10731	602216.60	4206418.40	0.00	0.00	1.80	DC	
	6TH	0.10695	602221.60	4206438.40	0.00	0.00	1.80	DC	
	7TH	0.10520	602221.60	4206433.40	0.00	0.00	1.80	DC	
	8TH	0.10459	602216.60	4206413.40	0.00	0.00	1.80	DC	
	9TH	0.10351	602226.60	4206458.40	0.00	0.00	1.80	DC	
	10TH	0.10321	602221.60	4206428.40	0.00	0.00	1.80	DC	

Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	ALL	1ST	Avg. Conc.	6.22222	ug/m**3	12120707	602234.20	4206611.00	0.00	0.00	1.80	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
5	Warning Message(s)
5334	Informational Message(s)
43872	Hours Were Processed
3700	Calm Hours Identified
1634	Missing Hours Identified (3.72 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	W276	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H
WARNING	CO	W363	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H
WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
WARNING	MX	W481	Data Remaining After End of Year. Number of Hours= 48

www.breeze-software.com

**Unmitigated CONSTRUCTION HEALTH RISK ANALYSIS
HARP 2 RAST**

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.5

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25
0<2 Years Bin: 1.5
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk saved to: C:\Users\jbyrne\Desktop\Delta Fair\Default FOT\Delta Fair_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\jbyrne\Desktop\Delta Fair\Default FOT\Delta Fair_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\jbyrne\Desktop\Delta Fair\Default FOT\Delta Fair_NCAcuteRisk.csv

HRA ran successfully

*HARP - HRACalc v19044 12/12/2019 10:27:07 AM - Cancer Risk - Input File: C:\Users\jbyrne\Desktop\Delta Fair\Default FOT\Delta Fair_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_RISK	MMILK_RISK	WATER_RISK	FISH_RISK
1			9901	DieselExhPM	0.11147	2.90E-05	1.5YrCancerHighEnd_Inh_FAH16to70	*	2.90E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER	2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00

1	9901 DieselExhPM	0.11147	6.22222	0	0	0
---	------------------	---------	---------	---	---	---

*HARP - HRACalc v19044 12/12/2019 10:27:07 AM - Acute Risk - Input File: C:\Users\jbyrne\Desktop\Delta Fair\Default FOT\Delta Fair_HRAInput.hra

[illegible]

*HARP - HRACalc v19044 12/12/2019 10:27:07 AM - Chronic Risk - Input File: C:\Users\jbyrne\Desktop\Delta Fair\Default FOT\Delta Fair_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
1			9901	DieselExhPM	0.11147	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
DETAILS	INH_CONC	SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE	WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE	1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC		
*	1.11E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00		

1	2	3	4	5	6	7	8	9	10
POL	POLABBREV	InhalationCancerURF	InhalationCancerSlopeFactor	OralCancerSlopeFactor	AcuteREL	InhalationChronicREL	OralChronicREL	IsMultipathway	AcuteCV
9901	DieselExhPM	0.0003	1.1			5		FALSE	FALSE
11	12	13	14	15	16	17	18	19	20
AcuteCNS	AcuteIMMUN	AcuteKIDNEY	AcuteGILV	AcuteREPRO_DEVEL	AcuteRESP	AcuteSKIN	AcuteEYE	AcuteBONE_TEETH	AcuteENDO
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
21	22	23	24	25	26	27	28	29	30
AcuteBLOOD	AcuteODOR	AcuteGENERAL	InhalationChronicCV	InhalationChronicCNS	InhalationChronicIMMUN	InhalationChronicKIDNEY	InhalationChronicGILV	InhalationChronicREPRO_DEVEL	InhalationChronicRESP
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE
31	32	33	34	35	36	37	38	39	40
InhalationChronicSKIN	InhalationChronicEYE	InhalationChronicBONE_TEETH	InhalationChronicENDO	InhalationChronicBLOOD	InhalationChronicODOR	InhalationChronicGENERAL	OralChronicCV	OralChronicCNS	OralChronicIMMUN
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
41	42	43	44	45	46	47	48	49	50
OralChronicKIDNEY	OralChronicGILV	OralChronicREPRO_DEVEL	OralChronicRESP	OralChronicSKIN	OralChronicEYE	OralChronicBONE_TEETH	OralChronicENDO	OralChronicBLOOD	OralChronicODOR
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
51	52	53	54	55	56	57	58	59	60
OralChronicGENERAL	PathwayInhalation	PathwayDrinking	PathwayFood	PathwayCrop	PathwayExposed	PathwayLeafy	PathwayProtected	PathwayRoot	PathwayDairy
FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
61	62	63	64	65	66	67	68	69	70
PathwayMeatEggs	PathwaySoilIngestion	PathwayFish	PathwayDermal	PathwayMothersMilk	SoilUptakeFactorLeafy	SoilUptakeFactorExposed	SoilUptakeFactorProtected	SoilUptakeFactorRoot	FoodTcoMilk
FALSE	FALSE	FALSE	FALSE	FALSE					
71	72	73	74	75	76	77	78	79	80
FoodTcoEgg	FoodTcoChicken	FoodTcoBeef	FoodTcoPig	HalfLifeInSoil	GRAF	FishBCF	MolWtCorrection	DermalAbsorptionFactor	InhalationChronicREL_8HR
							1		
81	82	83	84	85	86	87	88	89	90
InhalationChronicCV_8HR	InhalationChronicCNS_8HR	InhalationChronicIMMUN_8HR	InhalationChronicKIDNEY_8HR	InhalationChronicGILV_8HR	InhalationChronicREPRO_DEVEL_8HR	InhalationChronicRESP_8HR	InhalationChronicSKIN_8HR	InhalationChronicEYE_8HR	InhalationChronicBONE_TEETH_8HR
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
91	92	93	94	95	96	97			
InhalationChronicENDO_8HR	InhalationChronicBLOOD_8HR	InhalationChronicODOR_8HR	InhalationChronicGENERAL_8HR	Tco_InhMM	Tco_OralIMM	RChem_Group_HV			
FALSE	FALSE	FALSE	FALSE						

**Mitigated CONSTRUCTION HEALTH RISK ANALYSIS
AERMOD**

AERMOD Model Options

Model Options

Pathway	Keyword	Description	Value
CO	TITLEONE	Project title 1	Delta Fair (Mitigated)
CO	TITLETWO	Project title 2	
CO	MODELOPT	Model options	DFAULT,CONC,NODRYDPLT,NOWETDPLT
CO	AVERTIME	Averaging times	1,ANNUAL
CO	URBANOPT	Urban options	
CO	POLLUTID	Pollutant ID	PM25 H1H
CO	HALFLIFE	Half life	
CO	DCAYCOEF	Decay coefficient	
CO	FLAGPOLE	Flagpole receptor heights	1.8
CO	RUNORNOT	Run or Not	RUN
CO	EVENTFIL	Event file	F
CO	SAVEFILE	Save file	F
CO	INITFILE	Initialization file	
CO	MULTYEAR	Multiple year option	N/A
CO	DEBUGOPT	Debug options	N/A
CO	ERRORFIL	Error file	F
SO	ELEVUNIT	Elevation units	METERS
SO	EMISUNIT	Emission units	N/A
RE	ELEVUNIT	Elevation units	METERS
ME	SURFFILE	Surface met file	C:\Users\jbyrne\Desktop\TRAVIS~1\745160\745160.SFC
ME	PROFFILE	Profile met file	C:\Users\jbyrne\Desktop\TRAVIS~1\745160\745160.PFL
ME	SURFDATA	Surf met data info.	23202 2009 TRAVISAFB
ME	UAIRDATA	U-Air met data info.	23230 2009
ME	SITEDATA	On-site met data info.	
ME	PROFBASE	Elev. above MSL	18.9
ME	STARTEND	Start-end met dates	
ME	WDROTATE	Wind dir. rot. adjust.	
ME	WINDCATS	Wind speed cat. max.	
ME	SCIMBYHR	SCIM sample params	
EV	DAYTABLE	Print summary opt.	N/A
OU	EVENTOUT	Output info. level	N/A

OU	DAYTABLE	Print summary opt.
----	----------	--------------------

Source Parameter Tables

All Sources

Source ID / Pollutant ID	Source Type	Description	UTM		Elev.	Emiss. Rate	Emiss. Units	Release Height
			East (m)	North (m)	(m)			(m)
OB9YA001	VOLUME	Construction Equipment	602092.2	4206378.4	0	0.000375571	(g/s)	5
OB9YA002	VOLUME	Construction Equipment	602155.8	4206378.4	0	0.000375571	(g/s)	5
OB9YA003	VOLUME	Construction Equipment	602092.2	4206442.0	0	0.000375571	(g/s)	5
OB9YA004	VOLUME	Construction Equipment	602155.8	4206442.0	0	0.000375571	(g/s)	5
OB9YA005	VOLUME	Construction Equipment	602155.8	4206505.6	0	0.000375571	(g/s)	5
OB9YA007	VOLUME	Construction Equipment	602155.8	4206569.3	0	0.000375571	(g/s)	5
OB9YA009	VOLUME	Construction Equipment	602155.8	4206632.9	0	0.000375571	(g/s)	5

Volume Sources

Source ID / Pollutant ID	Description	UTM		Elev.	Emiss. Rate	Release Height	Init. Lat. Dim.	Init. Vert. Dim.
		East (m)	North (m)	(m)	(g/s)	(m)	(m)	(m)
OB9YA001	Construction Equipment	602092.2	4206378.4	0	0.000375571	5	29.59	1
OB9YA002	Construction Equipment	602155.8	4206378.4	0	0.000375571	5	29.59	1
OB9YA003	Construction Equipment	602092.2	4206442.0	0	0.000375571	5	29.59	1
OB9YA004	Construction Equipment	602155.8	4206442.0	0	0.000375571	5	29.59	1
OB9YA005	Construction Equipment	602155.8	4206505.6	0	0.000375571	5	29.59	1
OB9YA007	Construction Equipment	602155.8	4206569.3	0	0.000375571	5	29.59	1
OB9YA009	Construction Equipment	602155.8	4206632.9	0	0.000375571	5	29.59	1

BREEZE AERMOD Model Results

Max. Annual (5 YEARS) Results of Pollutant: PM25 (ug/m**3)

Group ID	High	Avg. Conc.	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
			East (m)	North (m)					
ALL	1ST	0.03709	602221.60	4206458.40	0.00	0.00	1.80	DC	
	2ND	0.03685	602221.60	4206453.40	0.00	0.00	1.80	DC	
	3RD	0.03651	602221.60	4206448.40	0.00	0.00	1.80	DC	
	4TH	0.03609	602221.60	4206443.40	0.00	0.00	1.80	DC	
	5TH	0.03571	602216.60	4206418.40	0.00	0.00	1.80	DC	
	6TH	0.03559	602221.60	4206438.40	0.00	0.00	1.80	DC	
	7TH	0.03501	602221.60	4206433.40	0.00	0.00	1.80	DC	
	8TH	0.03480	602216.60	4206413.40	0.00	0.00	1.80	DC	
	9TH	0.03444	602226.60	4206458.40	0.00	0.00	1.80	DC	
	10TH	0.03434	602221.60	4206428.40	0.00	0.00	1.80	DC	

Highest Results of Pollutant: PM25

Avg. Per.	Grp ID	High	Type	Val	Units	Date	UTM		Elev. (m)	Hill Ht. (m)	Flag Ht. (m)	Rec. Type	Grid ID
						YYMMDDHH	East (m)	North (m)					
1-HR	ALL	1ST	Avg. Conc.	2.07054	ug/m**3	12120707	602234.20	4206611.00	0.00	0.00	1.80	DC	

Summary of Total Messages

#	Message Type
0	Fatal Error Message(s)
5	Warning Message(s)
5334	Informational Message(s)
43872	Hours Were Processed
3700	Calm Hours Identified
1634	Missing Hours Identified (3.72 Percent)

Error & Warning Messages

Msg. Type	Pathway	Ref. #	Description
WARNING	CO	W276	Special proc for 1h-NO2/SO2 24hPM25 NAAQS disabled PM25 H1H
WARNING	CO	W363	Multiyr 24h/Ann PM25 processing not applicable for PM25 H1H
WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE

WARNING	OU	W565	Possible Conflict With Dynamically Allocated FUNIT PLOTFILE
WARNING	MX	W481	Data Remaining After End of Year. Number of Hours= 48

www.breeze-software.com

**Mitigated CONSTRUCTION HEALTH RISK ANALYSIS
HARP 2 RAST**

GLCs loaded successfully
Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.5

Exposure Duration Bin Distribution

3rd Trimester Bin: 0.25

0<2 Years Bin: 1.5

2<9 Years Bin: 0

2<16 Years Bin: 0

16<30 Years Bin: 0

16 to 70 Years Bin: 0

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

INHALATION

Daily breathing rate: LongTerm24HR

****Worker Adjustment Factors****

Worker adjustment factors enabled: NO

****Fraction at time at home****

3rd Trimester to 16 years: OFF
16 years to 70 years: ON

TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk saved to: C:\Users\jbyrne\Desktop\Delta Fair\Mitigated\Delta Fair_Mitigated_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\jbyrne\Desktop\Delta Fair\Mitigated\Delta Fair_Mitigated_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\jbyrne\Desktop\Delta Fair\Mitigated\Delta Fair_Mitigated_NCAcuteRisk.csv

HRA ran successfully

*HARP - HRACalc v19044 12/12/2019 2:17:01 PM - Cancer Risk - Input File: C:\Users\jbyrne\Desktop\Delta Fair\Mitigated\Delta Fair_Mitigated_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_RISK	MMILK_RISK	WATER_RISK	FISH_RISK
1			9901	DieselExhPM	0.03709	9.64E-06	1.5YrCancerHighEnd_Inh_FAH16to70	*	9.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

CROP_RISK	BEEF_RISK	DAIRY_RISK	PIG_RISK	CHICKEN_RISK	EGG_RISK	1ST_DRIVER	2ND_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC
0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	NA	NA	0.00E+00	0.00E+00	0.00E+00

1	9901 DieselExhPM	0.03709	2.07054	0	0	0
---	------------------	---------	---------	---	---	---

*HARP - HRACalc v19044 12/12/2019 2:17:01 PM - Acute Risk - Input File: C:\Users\jbyrne\Desktop\Delta Fair\Mitigated\Delta Fair_Mitigated_HRAInput.hra

[illegible]

*HARP - HRACalc v19044 12/12/2019 2:17:01 PM - Chronic Risk - Input File: C:\Users\jbyrne\Desktop\Delta Fair\Mitigated\Delta Fair_Mitigated_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DEVEL	RESP	SKIN	EYE	BONE/TEETH	ENDO	BLOOD	ODOR	GENERAL
1			9901	DieselExhPM	0.03709	NonCancerChronicHighEnd_Inh	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
DETAILS	INH_CONC	SOIL_DOSE	DERMAL_DOSE	MMILK_DOSE	WATER_DOSE	FISH_DOSE	CROP_DOSE	BEEF_DOSE	DAIRY_DOSE	PIG_DOSE	CHICKEN_DOSE	EGG_DOSE	1ST_DRIVER	2ND_DRIVER	3RD_DRIVER	PASTURE_CONC	FISH_CONC	WATER_CONC		
*	3.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	NA	NA	0.00E+00	0.00E+00	0.00E+00		

	1	2	3	4	5	6	7	8	9	10
POL	POLABBREV	InhalationCancerURF	InhalationCancerSlopeFactor	OralCancerSlopeFactor	AcuteREL	InhalationChronicREL	OralChronicREL	IsMultipathway	AcuteCV	
	9901	DieselExhPM	0.0003	1.1		5		FALSE	FALSE	
	11	12	13	14	15	16	17	18	19	20
AcuteCNS	AcuteIMMUN	AcuteKIDNEY	AcuteGILV	AcuteREPRO_DEVEL	AcuteRESP	AcuteSKIN	AcuteEYE	AcuteBONE_TEETH	AcuteENDO	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	
	21	22	23	24	25	26	27	28	29	30
AcuteBLOOD	AcuteODOR	AcuteGENERAL	InhalationChronicCV	InhalationChronicCNS	InhalationChronicIMMUN	InhalationChronicKIDNEY	InhalationChronicGILV	InhalationChronicREPRO_DEVEL	InhalationChronicRESP	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	
	31	32	33	34	35	36	37	38	39	40
InhalationChronicSKIN	InhalationChronicEYE	InhalationChronicBONE_TEETH	InhalationChronicENDO	InhalationChronicBLOOD	InhalationChronicODOR	InhalationChronicGENERAL	OralChronicCV	OralChronicCNS	OralChronicIMMUN	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	
	41	42	43	44	45	46	47	48	49	50
OralChronicKIDNEY	OralChronicGILV	OralChronicREPRO_DEVEL	OralChronicRESP	OralChronicSKIN	OralChronicEYE	OralChronicBONE_TEETH	OralChronicENDO	OralChronicBLOOD	OralChronicODOR	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	
	51	52	53	54	55	56	57	58	59	60
OralChronicGENERAL	PathwayInhalation	PathwayDrinking	PathwayFood	PathwayCrop	PathwayExposed	PathwayLeafy	PathwayProtected	PathwayRoot	PathwayDairy	
FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	
	61	62	63	64	65	66	67	68	69	70
PathwayMeatEggs	PathwaySoilgestion	PathwayFish	PathwayDermal	PathwayMothersMilk	SoilUptakeFactorLeafy	SoilUptakeFactorExposed	SoilUptakeFactorProtected	SoilUptakeFactorRoot	FoodTcoMilk	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE					
	71	72	73	74	75	76	77	78	79	80
FoodTcoEgg	FoodTcoChicken	FoodTcoBeef	FoodTcoPig	HalfLifeInSoil	GRAF	FishBCF	MolWtCorrection	DermalAbsorptionFactor	InhalationChronicREL_8HR	
							1			
	81	82	83	84	85	86	87	88	89	90
InhalationChronicCV_8HR	InhalationChronicCNS_8HR	InhalationChronicIMMUN_8HR	InhalationChronicKIDNEY_8HR	InhalationChronicGILV_8HR	InhalationChronicREPRO_DEVEL_8HR	InhalationChronicRESP_8HR	InhalationChronicSKIN_8HR	InhalationChronicEYE_8HR	InhalationChronicBONE_TEETH_8HR	
FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	
	91	92	93	94	95	96	97			
InhalationChronicENDO_8HR	InhalationChronicBLOOD_8HR	InhalationChronicODOR_8HR	InhalationChronicGENERAL_8HR	Tco_InhMM	Tco_OralMM	RChem_Group_HV				
FALSE	FALSE	FALSE	FALSE							