

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3820 Chile Road (Preferred Site Plan) Unmitigated**  
**Yolo/Solano AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	222.00	Dwelling Unit	7.40	222,000.00	635

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates from KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	5.84	7.40
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.55
tblVehicleTrips	HS_TL	5.00	3.97
tblVehicleTrips	HW_TL	10.00	7.93
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	WD_TR	6.65	5.96

**2.0 Emissions Summary**

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**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					
2019	11.9766	58.0139	25.4818	0.0761	185.9054	2.4438	187.3513	19.4972	2.2502	21.7474	0.0000	7,750.3719	7,750.3719	1.3548	0.0000	7,784.2416
2020	11.6258	23.9796	24.4851	0.0523	185.9054	1.2498	187.1552	18.8099	1.1818	19.9917	0.0000	5,106.0209	5,106.0209	0.7252	0.0000	5,124.1514
<b>Maximum</b>	<b>11.9766</b>	<b>58.0139</b>	<b>25.4818</b>	<b>0.0761</b>	<b>185.9054</b>	<b>2.4438</b>	<b>187.3513</b>	<b>19.4972</b>	<b>2.2502</b>	<b>21.7474</b>	<b>0.0000</b>	<b>7,750.3719</b>	<b>7,750.3719</b>	<b>1.3548</b>	<b>0.0000</b>	<b>7,784.2416</b>

**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					
2019	11.9766	58.0139	25.4818	0.0761	19.0983	2.4438	21.5421	10.1925	2.2502	12.4427	0.0000	7,750.3719	7,750.3719	1.3548	0.0000	7,784.2416
2020	11.6258	23.9796	24.4851	0.0523	1.5335	1.2498	2.7833	0.4120	1.1818	1.5937	0.0000	5,106.0209	5,106.0209	0.7252	0.0000	5,124.1514
<b>Maximum</b>	<b>11.9766</b>	<b>58.0139</b>	<b>25.4818</b>	<b>0.0761</b>	<b>19.0983</b>	<b>2.4438</b>	<b>21.5421</b>	<b>10.1925</b>	<b>2.2502</b>	<b>12.4427</b>	<b>0.0000</b>	<b>7,750.3719</b>	<b>7,750.3719</b>	<b>1.3548</b>	<b>0.0000</b>	<b>7,784.2416</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>94.45</b>	<b>0.00</b>	<b>93.50</b>	<b>72.32</b>	<b>0.00</b>	<b>66.37</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

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**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	509.2023	9.0866	640.4029	1.1246		87.3309	87.3309		87.3309	87.3309	9,164.4520	2,618.6257	11,783.0776	8.5968	0.6953	12,205.2001
Energy	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
Mobile	2.6996	15.5327	23.3596	0.0900	5.8985	0.0748	5.9733	1.5833	0.0703	1.6537		9,152.5865	9,152.5865	0.4869		9,164.7583
<b>Total</b>	<b>511.9658</b>	<b>25.1657</b>	<b>663.9950</b>	<b>1.2181</b>	<b>5.8985</b>	<b>87.4499</b>	<b>93.3484</b>	<b>1.5833</b>	<b>87.4454</b>	<b>89.0288</b>	<b>9,164.4520</b>	<b>12,468.7394</b>	<b>21,633.1914</b>	<b>9.0971</b>	<b>0.7081</b>	<b>22,071.6307</b>

**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	5.7129	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012	0.0000	32.9786	32.9786	0.0320	0.0000	33.7776
Energy	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
Mobile	2.6195	14.9221	21.5662	0.0822	5.3087	0.0684	5.3771	1.4250	0.0643	1.4893		8,361.8857	8,361.8857	0.4621		8,373.4375
<b>Total</b>	<b>8.3963</b>	<b>15.6803</b>	<b>40.1538</b>	<b>0.0866</b>	<b>5.3087</b>	<b>0.2138</b>	<b>5.5225</b>	<b>1.4250</b>	<b>0.2097</b>	<b>1.6347</b>	<b>0.0000</b>	<b>9,092.3915</b>	<b>9,092.3915</b>	<b>0.5074</b>	<b>0.0128</b>	<b>9,108.8874</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	98.36	37.69	93.95	92.89	10.00	99.76	94.08	10.00	99.76	98.16	100.00	27.08	57.97	94.42	98.19	58.73

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/29/2019	2/7/2019	7	10	
3	Grading	Grading	2/12/2019	2/21/2019	7	10	
4	Paving	Paving	2/22/2019	3/3/2019	7	10	
5	Building Construction	Building Construction	3/4/2019	1/27/2020	7	330	
6	Architectural Coating	Architectural Coating	3/18/2019	2/10/2020	7	330	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.4

Acres of Paving: 0

Residential Indoor: 449,550; Residential Outdoor: 149,850; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

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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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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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	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	160.00	24.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>		<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>



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**3.2 Demolition - 2019**

**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	0.0946	3.1008	0.4886	9.1500e-003	19.5286	0.0131	19.5417	1.9808	0.0126	1.9934		958.6602	958.6602	0.0397		959.6537
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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.1595</b>	<b>3.1367</b>	<b>0.9501</b>	<b>0.0104</b>	<b>32.8819</b>	<b>0.0139</b>	<b>32.8958</b>	<b>3.3313</b>	<b>0.0133</b>	<b>3.3446</b>		<b>1,084.3846</b>	<b>1,084.3846</b>	<b>0.0433</b>		<b>1,085.4663</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>	<b>0.0000</b>	<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

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**3.2 Demolition - 2019**

**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	0.0946	3.1008	0.4886	9.1500e-003	0.1827	0.0131	0.1959	0.0503	0.0126	0.0629		958.6602	958.6602	0.0397		959.6537
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	0.0649	0.0358	0.4615	1.2600e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.1595</b>	<b>3.1367</b>	<b>0.9501</b>	<b>0.0104</b>	<b>0.2909</b>	<b>0.0139</b>	<b>0.3048</b>	<b>0.0791</b>	<b>0.0133</b>	<b>0.0924</b>		<b>1,084.3846</b>	<b>1,084.3846</b>	<b>0.0433</b>		<b>1,085.4663</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

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**3.3 Site Preparation - 2019**

**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	0.3783	12.3982	1.9534	0.0366	78.0820	0.0525	78.1345	7.9199	0.0502	7.9701		3,833.0497	3,833.0497	0.1589		3,837.0218
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	0.0779	0.0430	0.5538	1.5100e-003	16.0239	9.6000e-004	16.0249	1.6206	8.8000e-004	1.6215		150.8693	150.8693	4.2400e-003		150.9752
<b>Total</b>	<b>0.4562</b>	<b>12.4412</b>	<b>2.5072</b>	<b>0.0381</b>	<b>94.1060</b>	<b>0.0535</b>	<b>94.1594</b>	<b>9.5405</b>	<b>0.0511</b>	<b>9.5916</b>		<b>3,983.9190</b>	<b>3,983.9190</b>	<b>0.1631</b>		<b>3,987.9970</b>

**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					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

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**3.3 Site Preparation - 2019**

**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	0.3783	12.3982	1.9534	0.0366	0.7306	0.0525	0.7831	0.2012	0.0502	0.2514		3,833.0497	3,833.0497	0.1589		3,837.0218
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	0.0779	0.0430	0.5538	1.5100e-003	0.1298	9.6000e-004	0.1307	0.0346	8.8000e-004	0.0355		150.8693	150.8693	4.2400e-003		150.9752
<b>Total</b>	<b>0.4562</b>	<b>12.4412</b>	<b>2.5072</b>	<b>0.0381</b>	<b>0.8604</b>	<b>0.0535</b>	<b>0.9139</b>	<b>0.2358</b>	<b>0.0511</b>	<b>0.2869</b>		<b>3,983.9190</b>	<b>3,983.9190</b>	<b>0.1631</b>		<b>3,987.9970</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>		<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.4 Grading - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**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					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>	<b>0.0000</b>	<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.4 Grading - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>0.1082</b>	<b>8.0000e-004</b>	<b>0.1090</b>	<b>0.0288</b>	<b>7.4000e-004</b>	<b>0.0295</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.5 Paving - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.5 Paving - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>0.1082</b>	<b>8.0000e-004</b>	<b>0.1090</b>	<b>0.0288</b>	<b>7.4000e-004</b>	<b>0.0295</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>



3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.6 Building Construction - 2019**

**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	0.0994	2.9027	0.5695	6.8700e-003	14.9837	0.0170	15.0007	1.5235	0.0163	1.5398		718.4912	718.4912	0.0446		719.6056
Worker	0.6923	0.3823	4.9226	0.0135	142.4348	8.5100e-003	142.4433	14.4053	7.8500e-003	14.4132		1,341.0603	1,341.0603	0.0377		1,342.0020
<b>Total</b>	<b>0.7917</b>	<b>3.2850</b>	<b>5.4922</b>	<b>0.0203</b>	<b>157.4185</b>	<b>0.0255</b>	<b>157.4440</b>	<b>15.9289</b>	<b>0.0241</b>	<b>15.9530</b>		<b>2,059.5516</b>	<b>2,059.5516</b>	<b>0.0822</b>		<b>2,061.6076</b>

**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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.6 Building Construction - 2019**

**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	0.0994	2.9027	0.5695	6.8700e-003	0.1492	0.0170	0.1662	0.0432	0.0163	0.0595		718.4912	718.4912	0.0446		719.6056
Worker	0.6923	0.3823	4.9226	0.0135	1.1537	8.5100e-003	1.1622	0.3073	7.8500e-003	0.3151		1,341.0603	1,341.0603	0.0377		1,342.0020
<b>Total</b>	<b>0.7917</b>	<b>3.2850</b>	<b>5.4922</b>	<b>0.0203</b>	<b>1.3028</b>	<b>0.0255</b>	<b>1.3283</b>	<b>0.3505</b>	<b>0.0241</b>	<b>0.3746</b>		<b>2,059.5516</b>	<b>2,059.5516</b>	<b>0.0822</b>		<b>2,061.6076</b>

**3.6 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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.6 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	0.0837	2.7038	0.4993	6.8100e-003	14.9837	0.0118	14.9955	1.5235	0.0113	1.5348		712.7698	712.7698	0.0409		713.7923
Worker	0.6343	0.3383	4.4216	0.0130	142.4348	8.3100e-003	142.4431	14.4053	7.6600e-003	14.4130		1,298.9500	1,298.9500	0.0331		1,299.7765
<b>Total</b>	<b>0.7181</b>	<b>3.0421</b>	<b>4.9209</b>	<b>0.0199</b>	<b>157.4185</b>	<b>0.0202</b>	<b>157.4386</b>	<b>15.9289</b>	<b>0.0190</b>	<b>15.9478</b>		<b>2,011.7198</b>	<b>2,011.7198</b>	<b>0.0740</b>		<b>2,013.5688</b>

**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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.6 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	0.0837	2.7038	0.4993	6.8100e-003	0.1492	0.0118	0.1610	0.0432	0.0113	0.0545		712.7698	712.7698	0.0409		713.7923
Worker	0.6343	0.3383	4.4216	0.0130	1.1537	8.3100e-003	1.1620	0.3073	7.6600e-003	0.3149		1,298.9500	1,298.9500	0.0331		1,299.7765
<b>Total</b>	<b>0.7181</b>	<b>3.0421</b>	<b>4.9209</b>	<b>0.0199</b>	<b>1.3028</b>	<b>0.0202</b>	<b>1.3230</b>	<b>0.3505</b>	<b>0.0190</b>	<b>0.3695</b>		<b>2,011.7198</b>	<b>2,011.7198</b>	<b>0.0740</b>		<b>2,013.5688</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>8.6853</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.7 Architectural Coating - 2019**

**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	0.1385	0.0765	0.9845	2.6900e-003	28.4870	1.7000e-003	28.4887	2.8811	1.5700e-003	2.8826		268.2121	268.2121	7.5300e-003		268.4004
<b>Total</b>	<b>0.1385</b>	<b>0.0765</b>	<b>0.9845</b>	<b>2.6900e-003</b>	<b>28.4870</b>	<b>1.7000e-003</b>	<b>28.4887</b>	<b>2.8811</b>	<b>1.5700e-003</b>	<b>2.8826</b>		<b>268.2121</b>	<b>268.2121</b>	<b>7.5300e-003</b>		<b>268.4004</b>

**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	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>8.6853</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

**3.7 Architectural Coating - 2019**

**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	0.1385	0.0765	0.9845	2.6900e-003	0.2307	1.7000e-003	0.2324	0.0615	1.5700e-003	0.0630		268.2121	268.2121	7.5300e-003		268.4004
<b>Total</b>	<b>0.1385</b>	<b>0.0765</b>	<b>0.9845</b>	<b>2.6900e-003</b>	<b>0.2307</b>	<b>1.7000e-003</b>	<b>0.2324</b>	<b>0.0615</b>	<b>1.5700e-003</b>	<b>0.0630</b>		<b>268.2121</b>	<b>268.2121</b>	<b>7.5300e-003</b>		<b>268.4004</b>

**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	8.4189					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
<b>Total</b>	<b>8.6610</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.1269	0.0677	0.8843	2.6100e-003	28.4870	1.6600e-003	28.4886	2.8811	1.5300e-003	2.8826		259.7900	259.7900	6.6100e-003		259.9553
<b>Total</b>	<b>0.1269</b>	<b>0.0677</b>	<b>0.8843</b>	<b>2.6100e-003</b>	<b>28.4870</b>	<b>1.6600e-003</b>	<b>28.4886</b>	<b>2.8811</b>	<b>1.5300e-003</b>	<b>2.8826</b>		<b>259.7900</b>	<b>259.7900</b>	<b>6.6100e-003</b>		<b>259.9553</b>

**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	8.4189					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
<b>Total</b>	<b>8.6610</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.1269	0.0677	0.8843	2.6100e-003	0.2307	1.6600e-003	0.2324	0.0615	1.5300e-003	0.0630		259.7900	259.7900	6.6100e-003		259.9553
<b>Total</b>	<b>0.1269</b>	<b>0.0677</b>	<b>0.8843</b>	<b>2.6100e-003</b>	<b>0.2307</b>	<b>1.6600e-003</b>	<b>0.2324</b>	<b>0.0615</b>	<b>1.5300e-003</b>	<b>0.0630</b>		<b>259.7900</b>	<b>259.7900</b>	<b>6.6100e-003</b>		<b>259.9553</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network



3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	2.6195	14.9221	21.5662	0.0822	5.3087	0.0684	5.3771	1.4250	0.0643	1.4893		8,361.8857	8,361.8857	0.4621		8,373.4375
Unmitigated	2.6996	15.5327	23.3596	0.0900	5.8985	0.0748	5.9733	1.5833	0.0703	1.6537		9,152.5865	9,152.5865	0.4869		9,164.7583

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477
Total	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477

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	7.93	3.97	5.55	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987

5.0 Energy Detail

Historical Energy Use: N

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
NaturalGas Unmitigated	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723

**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	5928.98	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
<b>Total</b>		<b>0.0639</b>	<b>0.5464</b>	<b>0.2325</b>	<b>3.4900e-003</b>		<b>0.0442</b>	<b>0.0442</b>		<b>0.0442</b>	<b>0.0442</b>		<b>697.5272</b>	<b>697.5272</b>	<b>0.0134</b>	<b>0.0128</b>	<b>701.6723</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	5.92898	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
<b>Total</b>		<b>0.0639</b>	<b>0.5464</b>	<b>0.2325</b>	<b>3.4900e-003</b>		<b>0.0442</b>	<b>0.0442</b>		<b>0.0442</b>	<b>0.0442</b>		<b>697.5272</b>	<b>697.5272</b>	<b>0.0134</b>	<b>0.0128</b>	<b>701.6723</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Use Low VOC Cleaning Supplies

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	5.7129	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012	0.0000	32.9786	32.9786	0.0320	0.0000	33.7776
Unmitigated	509.2023	9.0866	640.4029	1.1246		87.3309	87.3309		87.3309	87.3309	9,164.4520	2,618.6257	11,783.0776	8.5968	0.6953	12,205.2001

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	0.7612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	503.1342	8.8747	622.0478	1.1236		87.2298	87.2298		87.2298	87.2298	9,164.4520	2,585.6471	11,750.0990	8.5649	0.6953	12,171.4225
Landscaping	0.5561	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012		32.9786	32.9786	0.0320		33.7776
<b>Total</b>	<b>509.2023</b>	<b>9.0866</b>	<b>640.4029</b>	<b>1.1246</b>		<b>87.3309</b>	<b>87.3309</b>		<b>87.3309</b>	<b>87.3309</b>	<b>9,164.4520</b>	<b>2,618.6257</b>	<b>11,783.0776</b>	<b>8.5968</b>	<b>0.6953</b>	<b>12,205.2001</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.7612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.3956					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	0.5561	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012		32.9786	32.9786	0.0320		33.7776
<b>Total</b>	<b>5.7129</b>	<b>0.2119</b>	<b>18.3551</b>	<b>9.7000e-004</b>		<b>0.1012</b>	<b>0.1012</b>		<b>0.1012</b>	<b>0.1012</b>	<b>0.0000</b>	<b>32.9786</b>	<b>32.9786</b>	<b>0.0320</b>	<b>0.0000</b>	<b>33.7776</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Summer

## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3820 Chile Road (Preferred Site Plan) Unmitigated**  
**Yolo/Solano AQMD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	222.00	Dwelling Unit	7.40	222,000.00	635

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates from KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard



3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	5.84	7.40
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.55
tblVehicleTrips	HS_TL	5.00	3.97
tblVehicleTrips	HW_TL	10.00	7.93
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	WD_TR	6.65	5.96

**2.0 Emissions Summary**

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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					
2019	11.9378	58.4479	25.0069	0.0751	185.9054	2.4452	187.3517	19.4972	2.2516	21.7488	0.0000	7,649.1579	7,649.1579	1.3743	0.0000	7,683.5163
2020	11.5898	24.1192	24.0302	0.0504	185.9054	1.2502	187.1556	18.8099	1.1821	19.9921	0.0000	4,907.7941	4,907.7941	0.7267	0.0000	4,925.9614
<b>Maximum</b>	<b>11.9378</b>	<b>58.4479</b>	<b>25.0069</b>	<b>0.0751</b>	<b>185.9054</b>	<b>2.4452</b>	<b>187.3517</b>	<b>19.4972</b>	<b>2.2516</b>	<b>21.7488</b>	<b>0.0000</b>	<b>7,649.1579</b>	<b>7,649.1579</b>	<b>1.3743</b>	<b>0.0000</b>	<b>7,683.5163</b>

**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					
2019	11.9378	58.4479	25.0069	0.0751	19.0983	2.4452	21.5435	10.1925	2.2516	12.4440	0.0000	7,649.1579	7,649.1579	1.3743	0.0000	7,683.5163
2020	11.5898	24.1192	24.0302	0.0504	1.5335	1.2502	2.7837	0.4120	1.1821	1.5941	0.0000	4,907.7941	4,907.7941	0.7267	0.0000	4,925.9613
<b>Maximum</b>	<b>11.9378</b>	<b>58.4479</b>	<b>25.0069</b>	<b>0.0751</b>	<b>19.0983</b>	<b>2.4452</b>	<b>21.5435</b>	<b>10.1925</b>	<b>2.2516</b>	<b>12.4440</b>	<b>0.0000</b>	<b>7,649.1579</b>	<b>7,649.1579</b>	<b>1.3743</b>	<b>0.0000</b>	<b>7,683.5163</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>94.45</b>	<b>0.00</b>	<b>93.50</b>	<b>72.32</b>	<b>0.00</b>	<b>66.37</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	509.2023	9.0866	640.4029	1.1246		87.3309	87.3309		87.3309	87.3309	9,164.4520	2,618.6257	11,783.0776	8.5968	0.6953	12,205.2001
Energy	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
Mobile	2.1533	16.0640	23.4487	0.0826	5.8985	0.0766	5.9751	1.5833	0.0721	1.6554		8,409.8124	8,409.8124	0.5149		8,422.6841
<b>Total</b>	<b>511.4195</b>	<b>25.6970</b>	<b>664.0841</b>	<b>1.2107</b>	<b>5.8985</b>	<b>87.4517</b>	<b>93.3503</b>	<b>1.5833</b>	<b>87.4472</b>	<b>89.0305</b>	<b>9,164.4520</b>	<b>11,725.9653</b>	<b>20,890.4172</b>	<b>9.1251</b>	<b>0.7081</b>	<b>21,329.5565</b>

**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	5.7129	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012	0.0000	32.9786	32.9786	0.0320	0.0000	33.7776
Energy	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
Mobile	2.0746	15.3792	21.9265	0.0754	5.3087	0.0703	5.3789	1.4250	0.0661	1.4911		7,679.4488	7,679.4488	0.4915		7,691.7360
<b>Total</b>	<b>7.8514</b>	<b>16.1374</b>	<b>40.5140</b>	<b>0.0799</b>	<b>5.3087</b>	<b>0.2156</b>	<b>5.5243</b>	<b>1.4250</b>	<b>0.2115</b>	<b>1.6365</b>	<b>0.0000</b>	<b>8,409.9546</b>	<b>8,409.9546</b>	<b>0.5368</b>	<b>0.0128</b>	<b>8,427.1859</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	98.46	37.20	93.90	93.40	10.00	99.75	94.08	10.00	99.76	98.16	100.00	28.28	59.74	94.12	98.19	60.49

### 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	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/29/2019	2/7/2019	7	10	
3	Grading	Grading	2/12/2019	2/21/2019	7	10	
4	Paving	Paving	2/22/2019	3/3/2019	7	10	
5	Building Construction	Building Construction	3/4/2019	1/27/2020	7	330	
6	Architectural Coating	Architectural Coating	3/18/2019	2/10/2020	7	330	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.4

Acres of Paving: 0

Residential Indoor: 449,550; Residential Outdoor: 149,850; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	160.00	24.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>		<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.2 Demolition - 2019**

**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	0.0982	3.2066	0.5543	8.9500e-003	19.5286	0.0135	19.5421	1.9808	0.0129	1.9937		937.5663	937.5663	0.0447		938.6844
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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.1596</b>	<b>3.2517</b>	<b>0.9697</b>	<b>0.0101</b>	<b>32.8819</b>	<b>0.0143</b>	<b>32.8962</b>	<b>3.3313</b>	<b>0.0136</b>	<b>3.3449</b>		<b>1,049.2297</b>	<b>1,049.2297</b>	<b>0.0479</b>		<b>1,050.4278</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>	<b>0.0000</b>	<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.2 Demolition - 2019**

**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	0.0982	3.2066	0.5543	8.9500e-003	0.1827	0.0135	0.1962	0.0503	0.0129	0.0632		937.5663	937.5663	0.0447		938.6844
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	0.0615	0.0452	0.4155	1.1200e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.1596</b>	<b>3.2517</b>	<b>0.9697</b>	<b>0.0101</b>	<b>0.2909</b>	<b>0.0143</b>	<b>0.3052</b>	<b>0.0791</b>	<b>0.0136</b>	<b>0.0928</b>		<b>1,049.2297</b>	<b>1,049.2297</b>	<b>0.0479</b>		<b>1,050.4278</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>



3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.3 Site Preparation - 2019**

**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	0.3926	12.8210	2.2162	0.0358	78.0820	0.0539	78.1360	7.9199	0.0516	7.9715		3,748.7089	3,748.7089	0.1788		3,753.1796
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	0.0737	0.0542	0.4986	1.3500e-003	16.0239	9.6000e-004	16.0249	1.6206	8.8000e-004	1.6215		133.9961	133.9961	3.8400e-003		134.0921
<b>Total</b>	<b>0.4664</b>	<b>12.8752</b>	<b>2.7147</b>	<b>0.0371</b>	<b>94.1060</b>	<b>0.0549</b>	<b>94.1608</b>	<b>9.5405</b>	<b>0.0525</b>	<b>9.5930</b>		<b>3,882.7050</b>	<b>3,882.7050</b>	<b>0.1827</b>		<b>3,887.2718</b>

**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					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.3 Site Preparation - 2019**

**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	0.3926	12.8210	2.2162	0.0358	0.7306	0.0539	0.7845	0.2012	0.0516	0.2528		3,748.7089	3,748.7089	0.1788		3,753.1796
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	0.0737	0.0542	0.4986	1.3500e-003	0.1298	9.6000e-004	0.1307	0.0346	8.8000e-004	0.0355		133.9961	133.9961	3.8400e-003		134.0921
<b>Total</b>	<b>0.4664</b>	<b>12.8752</b>	<b>2.7147</b>	<b>0.0371</b>	<b>0.8604</b>	<b>0.0549</b>	<b>0.9153</b>	<b>0.2358</b>	<b>0.0525</b>	<b>0.2882</b>		<b>3,882.7050</b>	<b>3,882.7050</b>	<b>0.1827</b>		<b>3,887.2718</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>		<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.4 Grading - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**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					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>	<b>0.0000</b>	<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.4 Grading - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>0.1082</b>	<b>8.0000e-004</b>	<b>0.1090</b>	<b>0.0288</b>	<b>7.4000e-004</b>	<b>0.0295</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.5 Paving - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.5 Paving - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>0.1082</b>	<b>8.0000e-004</b>	<b>0.1090</b>	<b>0.0288</b>	<b>7.4000e-004</b>	<b>0.0295</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.6 Building Construction - 2019**

**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	0.1048	2.9472	0.6838	6.6400e-003	14.9837	0.0175	15.0012	1.5235	0.0167	1.5402		694.6876	694.6876	0.0504		695.9471
Worker	0.6555	0.4817	4.4316	0.0120	142.4348	8.5100e-003	142.4433	14.4053	7.8500e-003	14.4132		1,191.0763	1,191.0763	0.0342		1,191.9300
<b>Total</b>	<b>0.7602</b>	<b>3.4289</b>	<b>5.1155</b>	<b>0.0186</b>	<b>157.4185</b>	<b>0.0260</b>	<b>157.4445</b>	<b>15.9289</b>	<b>0.0246</b>	<b>15.9534</b>		<b>1,885.7639</b>	<b>1,885.7639</b>	<b>0.0845</b>		<b>1,887.8772</b>

**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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.6 Building Construction - 2019**

**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	0.1048	2.9472	0.6838	6.6400e-003	0.1492	0.0175	0.1666	0.0432	0.0167	0.0599		694.6876	694.6876	0.0504		695.9471
Worker	0.6555	0.4817	4.4316	0.0120	1.1537	8.5100e-003	1.1622	0.3073	7.8500e-003	0.3151		1,191.0763	1,191.0763	0.0342		1,191.9300
<b>Total</b>	<b>0.7602</b>	<b>3.4289</b>	<b>5.1155</b>	<b>0.0186</b>	<b>1.3028</b>	<b>0.0260</b>	<b>1.3288</b>	<b>0.3505</b>	<b>0.0246</b>	<b>0.3751</b>		<b>1,885.7639</b>	<b>1,885.7639</b>	<b>0.0845</b>		<b>1,887.8772</b>

**3.6 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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>



3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.6 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	0.0886	2.7382	0.6023	6.5800e-003	14.9837	0.0122	14.9959	1.5235	0.0117	1.5352		688.9671	688.9671	0.0463		690.1251
Worker	0.6003	0.4259	3.9566	0.0116	142.4348	8.3100e-003	142.4431	14.4053	7.6600e-003	14.4130		1,153.5966	1,153.5966	0.0298		1,154.3408
<b>Total</b>	<b>0.6888</b>	<b>3.1641</b>	<b>4.5590</b>	<b>0.0182</b>	<b>157.4185</b>	<b>0.0205</b>	<b>157.4390</b>	<b>15.9289</b>	<b>0.0193</b>	<b>15.9482</b>		<b>1,842.5637</b>	<b>1,842.5637</b>	<b>0.0761</b>		<b>1,844.4659</b>

**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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.6 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	0.0886	2.7382	0.6023	6.5800e-003	0.1492	0.0122	0.1614	0.0432	0.0117	0.0549		688.9671	688.9671	0.0463		690.1251
Worker	0.6003	0.4259	3.9566	0.0116	1.1537	8.3100e-003	1.1620	0.3073	7.6600e-003	0.3149		1,153.5966	1,153.5966	0.0298		1,154.3408
<b>Total</b>	<b>0.6888</b>	<b>3.1641</b>	<b>4.5590</b>	<b>0.0182</b>	<b>1.3028</b>	<b>0.0205</b>	<b>1.3233</b>	<b>0.3505</b>	<b>0.0193</b>	<b>0.3698</b>		<b>1,842.5637</b>	<b>1,842.5637</b>	<b>0.0761</b>		<b>1,844.4659</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>8.6853</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.7 Architectural Coating - 2019**

**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	0.1311	0.0963	0.8863	2.3900e-003	28.4870	1.7000e-003	28.4887	2.8811	1.5700e-003	2.8826		238.2153	238.2153	6.8300e-003		238.3860
<b>Total</b>	<b>0.1311</b>	<b>0.0963</b>	<b>0.8863</b>	<b>2.3900e-003</b>	<b>28.4870</b>	<b>1.7000e-003</b>	<b>28.4887</b>	<b>2.8811</b>	<b>1.5700e-003</b>	<b>2.8826</b>		<b>238.2153</b>	<b>238.2153</b>	<b>6.8300e-003</b>		<b>238.3860</b>

**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	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>8.6853</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

**3.7 Architectural Coating - 2019**

**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	0.1311	0.0963	0.8863	2.3900e-003	0.2307	1.7000e-003	0.2324	0.0615	1.5700e-003	0.0630		238.2153	238.2153	6.8300e-003		238.3860
<b>Total</b>	<b>0.1311</b>	<b>0.0963</b>	<b>0.8863</b>	<b>2.3900e-003</b>	<b>0.2307</b>	<b>1.7000e-003</b>	<b>0.2324</b>	<b>0.0615</b>	<b>1.5700e-003</b>	<b>0.0630</b>		<b>238.2153</b>	<b>238.2153</b>	<b>6.8300e-003</b>		<b>238.3860</b>

**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	8.4189					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
<b>Total</b>	<b>8.6610</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.1201	0.0852	0.7913	2.3200e-003	28.4870	1.6600e-003	28.4886	2.8811	1.5300e-003	2.8826		230.7193	230.7193	5.9500e-003		230.8682
<b>Total</b>	<b>0.1201</b>	<b>0.0852</b>	<b>0.7913</b>	<b>2.3200e-003</b>	<b>28.4870</b>	<b>1.6600e-003</b>	<b>28.4886</b>	<b>2.8811</b>	<b>1.5300e-003</b>	<b>2.8826</b>		<b>230.7193</b>	<b>230.7193</b>	<b>5.9500e-003</b>		<b>230.8682</b>

**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	8.4189					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
<b>Total</b>	<b>8.6610</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.1201	0.0852	0.7913	2.3200e-003	0.2307	1.6600e-003	0.2324	0.0615	1.5300e-003	0.0630		230.7193	230.7193	5.9500e-003		230.8682
<b>Total</b>	<b>0.1201</b>	<b>0.0852</b>	<b>0.7913</b>	<b>2.3200e-003</b>	<b>0.2307</b>	<b>1.6600e-003</b>	<b>0.2324</b>	<b>0.0615</b>	<b>1.5300e-003</b>	<b>0.0630</b>		<b>230.7193</b>	<b>230.7193</b>	<b>5.9500e-003</b>		<b>230.8682</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	2.0746	15.3792	21.9265	0.0754	5.3087	0.0703	5.3789	1.4250	0.0661	1.4911		7,679.4488	7,679.4488	0.4915		7,691.7360
Unmitigated	2.1533	16.0640	23.4487	0.0826	5.8985	0.0766	5.9751	1.5833	0.0721	1.6554		8,409.8124	8,409.8124	0.5149		8,422.6841

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477
Total	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477

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	7.93	3.97	5.55	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987

5.0 Energy Detail

Historical Energy Use: N

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
NaturalGas Unmitigated	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723

**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	5928.98	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
<b>Total</b>		<b>0.0639</b>	<b>0.5464</b>	<b>0.2325</b>	<b>3.4900e-003</b>		<b>0.0442</b>	<b>0.0442</b>		<b>0.0442</b>	<b>0.0442</b>		<b>697.5272</b>	<b>697.5272</b>	<b>0.0134</b>	<b>0.0128</b>	<b>701.6723</b>



3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	5.92898	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
<b>Total</b>		<b>0.0639</b>	<b>0.5464</b>	<b>0.2325</b>	<b>3.4900e-003</b>		<b>0.0442</b>	<b>0.0442</b>		<b>0.0442</b>	<b>0.0442</b>		<b>697.5272</b>	<b>697.5272</b>	<b>0.0134</b>	<b>0.0128</b>	<b>701.6723</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Use Low VOC Cleaning Supplies

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	5.7129	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012	0.0000	32.9786	32.9786	0.0320	0.0000	33.7776
Unmitigated	509.2023	9.0866	640.4029	1.1246		87.3309	87.3309		87.3309	87.3309	9,164.4520	2,618.6257	11,783.0776	8.5968	0.6953	12,205.2001

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	0.7612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	503.1342	8.8747	622.0478	1.1236		87.2298	87.2298		87.2298	87.2298	9,164.4520	2,585.6471	11,750.0990	8.5649	0.6953	12,171.4225
Landscaping	0.5561	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012		32.9786	32.9786	0.0320		33.7776
<b>Total</b>	<b>509.2023</b>	<b>9.0866</b>	<b>640.4029</b>	<b>1.1246</b>		<b>87.3309</b>	<b>87.3309</b>		<b>87.3309</b>	<b>87.3309</b>	<b>9,164.4520</b>	<b>2,618.6257</b>	<b>11,783.0776</b>	<b>8.5968</b>	<b>0.6953</b>	<b>12,205.2001</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.7612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.3956					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	0.5561	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012		32.9786	32.9786	0.0320		33.7776
<b>Total</b>	<b>5.7129</b>	<b>0.2119</b>	<b>18.3551</b>	<b>9.7000e-004</b>		<b>0.1012</b>	<b>0.1012</b>		<b>0.1012</b>	<b>0.1012</b>	<b>0.0000</b>	<b>32.9786</b>	<b>32.9786</b>	<b>0.0320</b>	<b>0.0000</b>	<b>33.7776</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Winter

## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Annual

**3820 Chile Road (Preferred Site Plan) Unmitigated**  
**Yolo/Solano AQMD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	222.00	Dwelling Unit	7.40	222,000.00	635

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Annual

Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates from KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	5.84	7.40
tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.55
tblVehicleTrips	HS_TL	5.00	3.97
tblVehicleTrips	HW_TL	10.00	7.93
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	WD_TR	6.65	5.96

**2.0 Emissions Summary**

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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					
2019	1.8231	4.9227	4.2709	8.9400e-003	24.7558	0.2614	25.0172	2.5655	0.2462	2.8117	0.0000	798.6202	798.6202	0.1266	0.0000	801.7862
2020	0.2172	0.3373	0.3402	7.2000e-004	2.3036	0.0177	2.3212	0.2335	0.0167	0.2503	0.0000	64.0001	64.0001	9.0400e-003	0.0000	64.2261
<b>Maximum</b>	<b>1.8231</b>	<b>4.9227</b>	<b>4.2709</b>	<b>8.9400e-003</b>	<b>24.7558</b>	<b>0.2614</b>	<b>25.0172</b>	<b>2.5655</b>	<b>0.2462</b>	<b>2.8117</b>	<b>0.0000</b>	<b>798.6202</b>	<b>798.6202</b>	<b>0.1266</b>	<b>0.0000</b>	<b>801.7862</b>

**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					
2019	1.8231	4.9227	4.2709	8.9400e-003	0.3875	0.2614	0.6489	0.1338	0.2462	0.3801	0.0000	798.6196	798.6196	0.1266	0.0000	801.7857
2020	0.2172	0.3373	0.3402	7.2000e-004	0.0216	0.0177	0.0393	5.8200e-003	0.0167	0.0226	0.0000	64.0000	64.0000	9.0400e-003	0.0000	64.2260
<b>Maximum</b>	<b>1.8231</b>	<b>4.9227</b>	<b>4.2709</b>	<b>8.9400e-003</b>	<b>0.3875</b>	<b>0.2614</b>	<b>0.6489</b>	<b>0.1338</b>	<b>0.2462</b>	<b>0.3801</b>	<b>0.0000</b>	<b>798.6196</b>	<b>798.6196</b>	<b>0.1266</b>	<b>0.0000</b>	<b>801.7857</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>98.49</b>	<b>0.00</b>	<b>97.48</b>	<b>95.01</b>	<b>0.00</b>	<b>86.85</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>



3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	1.4873	1.4873
2	4-1-2019	6-30-2019	1.7405	1.7405
3	7-1-2019	9-30-2019	1.7596	1.7596
4	10-1-2019	12-31-2019	1.7654	1.7654
5	1-1-2020	3-31-2020	0.5559	0.5559
		Highest	1.7654	1.7654

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	21.6845	0.3829	27.1559	0.0462		3.5855	3.5855		3.5855	3.5855	340.8679	98.8646	439.7325	0.3212	0.0259	455.4687
Energy	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	239.7818	239.7818	0.0146	4.6900e-003	241.5452
Mobile	0.4058	2.8917	3.9858	0.0154	1.0392	0.0137	1.0530	0.2798	0.0129	0.2927	0.0000	1,420.4713	1,420.4713	0.0812	0.0000	1,422.5006
Waste						0.0000	0.0000		0.0000	0.0000	20.7294	0.0000	20.7294	1.2251	0.0000	51.3563
Water						0.0000	0.0000		0.0000	0.0000	4.5888	14.4935	19.0823	0.4728	0.0114	34.3071
<b>Total</b>	<b>22.1019</b>	<b>3.3743</b>	<b>31.1842</b>	<b>0.0622</b>	<b>1.0392</b>	<b>3.6073</b>	<b>4.6466</b>	<b>0.2798</b>	<b>3.6065</b>	<b>3.8863</b>	<b>366.1862</b>	<b>1,773.6111</b>	<b>2,139.7973</b>	<b>2.1148</b>	<b>0.0420</b>	<b>2,205.1779</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.9912	0.0191	1.6520	9.0000e-005		9.1100e-003	9.1100e-003		9.1100e-003	9.1100e-003	0.0000	2.6926	2.6926	2.6100e-003	0.0000	2.7578
Energy	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	239.7818	239.7818	0.0146	4.6900e-003	241.5452
Mobile	0.3916	2.7722	3.7073	0.0141	0.9353	0.0126	0.9479	0.2518	0.0118	0.2636	0.0000	1,297.9994	1,297.9994	0.0773	0.0000	1,299.9318
Waste						0.0000	0.0000		0.0000	0.0000	20.7294	0.0000	20.7294	1.2251	0.0000	51.3563
Water						0.0000	0.0000		0.0000	0.0000	3.2122	9.3058	12.5179	0.3309	7.9800e-003	23.1681
<b>Total</b>	<b>1.3944</b>	<b>2.8910</b>	<b>5.4017</b>	<b>0.0148</b>	<b>0.9353</b>	<b>0.0298</b>	<b>0.9651</b>	<b>0.2518</b>	<b>0.0290</b>	<b>0.2808</b>	<b>23.9416</b>	<b>1,549.7796</b>	<b>1,573.7212</b>	<b>1.6505</b>	<b>0.0127</b>	<b>1,618.7591</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>93.69</b>	<b>14.32</b>	<b>82.68</b>	<b>76.23</b>	<b>10.00</b>	<b>99.18</b>	<b>79.23</b>	<b>10.00</b>	<b>99.20</b>	<b>92.78</b>	<b>93.46</b>	<b>12.62</b>	<b>26.45</b>	<b>21.96</b>	<b>69.82</b>	<b>26.59</b>

**3.0 Construction Detail**

**Construction Phase**

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/29/2019	2/7/2019	7	10	
3	Grading	Grading	2/12/2019	2/21/2019	7	10	
4	Paving	Paving	2/22/2019	3/3/2019	7	10	
5	Building Construction	Building Construction	3/4/2019	1/27/2020	7	330	
6	Architectural Coating	Architectural Coating	3/18/2019	2/10/2020	7	330	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 7.4**

**Acres of Paving: 0**

**Residential Indoor: 449,550; Residential Outdoor: 149,850; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	160.00	24.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0306	0.0000	0.0306	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0387	0.3936	0.2427	4.3000e-004		0.0197	0.0197		0.0184	0.0184	0.0000	38.0890	38.0890	0.0106	0.0000	38.3539
<b>Total</b>	<b>0.0387</b>	<b>0.3936</b>	<b>0.2427</b>	<b>4.3000e-004</b>	<b>0.0306</b>	<b>0.0197</b>	<b>0.0503</b>	<b>4.6300e-003</b>	<b>0.0184</b>	<b>0.0230</b>	<b>0.0000</b>	<b>38.0890</b>	<b>38.0890</b>	<b>0.0106</b>	<b>0.0000</b>	<b>38.3539</b>

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**3.2 Demolition - 2019**

**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	1.0600e-003	0.0352	5.6600e-003	1.0000e-004	0.1827	1.5000e-004	0.1828	0.0186	1.4000e-004	0.0187	0.0000	9.4781	9.4781	4.2000e-004	0.0000	9.4885
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	6.3000e-004	4.4000e-004	4.4400e-003	1.0000e-005	0.1249	1.0000e-005	0.1249	0.0127	1.0000e-005	0.0127	0.0000	1.1429	1.1429	3.0000e-005	0.0000	1.1437
<b>Total</b>	<b>1.6900e-003</b>	<b>0.0356</b>	<b>0.0101</b>	<b>1.1000e-004</b>	<b>0.3076</b>	<b>1.6000e-004</b>	<b>0.3077</b>	<b>0.0312</b>	<b>1.5000e-004</b>	<b>0.0314</b>	<b>0.0000</b>	<b>10.6210</b>	<b>10.6210</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>10.6322</b>

**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					0.0306	0.0000	0.0306	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0387	0.3936	0.2427	4.3000e-004		0.0197	0.0197		0.0184	0.0184	0.0000	38.0889	38.0889	0.0106	0.0000	38.3538
<b>Total</b>	<b>0.0387</b>	<b>0.3936</b>	<b>0.2427</b>	<b>4.3000e-004</b>	<b>0.0306</b>	<b>0.0197</b>	<b>0.0503</b>	<b>4.6300e-003</b>	<b>0.0184</b>	<b>0.0230</b>	<b>0.0000</b>	<b>38.0889</b>	<b>38.0889</b>	<b>0.0106</b>	<b>0.0000</b>	<b>38.3538</b>

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**3.2 Demolition - 2019**

**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	1.0600e-003	0.0352	5.6600e-003	1.0000e-004	1.9500e-003	1.5000e-004	2.1000e-003	5.4000e-004	1.4000e-004	6.8000e-004	0.0000	9.4781	9.4781	4.2000e-004	0.0000	9.4885
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	6.3000e-004	4.4000e-004	4.4400e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1429	1.1429	3.0000e-005	0.0000	1.1437
<b>Total</b>	<b>1.6900e-003</b>	<b>0.0356</b>	<b>0.0101</b>	<b>1.1000e-004</b>	<b>3.1000e-003</b>	<b>1.6000e-004</b>	<b>3.2600e-003</b>	<b>8.5000e-004</b>	<b>1.5000e-004</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>10.6210</b>	<b>10.6210</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>10.6322</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0912</b>	<b>0.0120</b>	<b>0.1031</b>	<b>0.0498</b>	<b>0.0110</b>	<b>0.0608</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>

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**3.3 Site Preparation - 2019**

**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	1.9200e-003	0.0639	0.0103	1.8000e-004	0.3320	2.7000e-004	0.3323	0.0338	2.5000e-004	0.0340	0.0000	17.2257	17.2257	7.6000e-004	0.0000	17.2447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.4000e-004	2.4200e-003	1.0000e-005	0.0681	0.0000	0.0681	6.9000e-003	0.0000	6.9100e-003	0.0000	0.6234	0.6234	2.0000e-005	0.0000	0.6238
<b>Total</b>	<b>2.2600e-003</b>	<b>0.0641</b>	<b>0.0127</b>	<b>1.9000e-004</b>	<b>0.4002</b>	<b>2.7000e-004</b>	<b>0.4004</b>	<b>0.0407</b>	<b>2.5000e-004</b>	<b>0.0409</b>	<b>0.0000</b>	<b>17.8491</b>	<b>17.8491</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>17.8685</b>

**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					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0912</b>	<b>0.0120</b>	<b>0.1031</b>	<b>0.0498</b>	<b>0.0110</b>	<b>0.0608</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>



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**3.3 Site Preparation - 2019**

**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	1.9200e-003	0.0639	0.0103	1.8000e-004	3.5500e-003	2.7000e-004	3.8200e-003	9.8000e-004	2.5000e-004	1.2300e-003	0.0000	17.2257	17.2257	7.6000e-004	0.0000	17.2447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.4000e-004	2.4200e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.6234	0.6234	2.0000e-005	0.0000	0.6238
<b>Total</b>	<b>2.2600e-003</b>	<b>0.0641</b>	<b>0.0127</b>	<b>1.9000e-004</b>	<b>4.1800e-003</b>	<b>2.7000e-004</b>	<b>4.4500e-003</b>	<b>1.1500e-003</b>	<b>2.5000e-004</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>17.8491</b>	<b>17.8491</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>17.8685</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0340	0.0000	0.0340	0.0170	0.0000	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.1417	0.0815	1.5000e-004		6.9900e-003	6.9900e-003		6.4300e-003	6.4300e-003	0.0000	13.3211	13.3211	4.2100e-003	0.0000	13.4265
<b>Total</b>	<b>0.0129</b>	<b>0.1417</b>	<b>0.0815</b>	<b>1.5000e-004</b>	<b>0.0340</b>	<b>6.9900e-003</b>	<b>0.0410</b>	<b>0.0170</b>	<b>6.4300e-003</b>	<b>0.0234</b>	<b>0.0000</b>	<b>13.3211</b>	<b>13.3211</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>13.4265</b>

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**3.4 Grading - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	0.0568	0.0000	0.0568	5.7500e-003	0.0000	5.7600e-003	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>0.0568</b>	<b>0.0000</b>	<b>0.0568</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**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					0.0340	0.0000	0.0340	0.0170	0.0000	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.1417	0.0815	1.5000e-004		6.9900e-003	6.9900e-003		6.4300e-003	6.4300e-003	0.0000	13.3211	13.3211	4.2100e-003	0.0000	13.4265
<b>Total</b>	<b>0.0129</b>	<b>0.1417</b>	<b>0.0815</b>	<b>1.5000e-004</b>	<b>0.0340</b>	<b>6.9900e-003</b>	<b>0.0410</b>	<b>0.0170</b>	<b>6.4300e-003</b>	<b>0.0234</b>	<b>0.0000</b>	<b>13.3211</b>	<b>13.3211</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>13.4265</b>

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**3.4 Grading - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2700e-003	0.0762	0.0733	1.1000e-004		4.1200e-003	4.1200e-003		3.7900e-003	3.7900e-003	0.0000	10.2376	10.2376	3.2400e-003	0.0000	10.3186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.2700e-003</b>	<b>0.0762</b>	<b>0.0733</b>	<b>1.1000e-004</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>10.2376</b>	<b>10.2376</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.3186</b>

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**3.5 Paving - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	0.0568	0.0000	0.0568	5.7500e-003	0.0000	5.7600e-003	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>0.0568</b>	<b>0.0000</b>	<b>0.0568</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**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	7.2700e-003	0.0762	0.0733	1.1000e-004		4.1200e-003	4.1200e-003		3.7900e-003	3.7900e-003	0.0000	10.2376	10.2376	3.2400e-003	0.0000	10.3186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.2700e-003</b>	<b>0.0762</b>	<b>0.0733</b>	<b>1.1000e-004</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>10.2376</b>	<b>10.2376</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.3186</b>

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**3.5 Paving - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3577	3.1934	2.6003	4.0800e-003		0.1954	0.1954		0.1837	0.1837	0.0000	356.1829	356.1829	0.0868	0.0000	358.3521
<b>Total</b>	<b>0.3577</b>	<b>3.1934</b>	<b>2.6003</b>	<b>4.0800e-003</b>		<b>0.1954</b>	<b>0.1954</b>		<b>0.1837</b>	<b>0.1837</b>	<b>0.0000</b>	<b>356.1829</b>	<b>356.1829</b>	<b>0.0868</b>	<b>0.0000</b>	<b>358.3521</b>

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**3.6 Building Construction - 2019**

**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	0.0153	0.4475	0.0933	1.0300e-003	1.9308	2.6100e-003	1.9334	0.1969	2.4900e-003	0.1994	0.0000	97.3739	97.3739	6.4600e-003	0.0000	97.5353
Worker	0.0924	0.0647	0.6522	1.8600e-003	18.3479	1.2900e-003	18.3492	1.8592	1.1900e-003	1.8604	0.0000	167.8994	167.8994	4.7000e-003	0.0000	168.0168
<b>Total</b>	<b>0.1077</b>	<b>0.5122</b>	<b>0.7455</b>	<b>2.8900e-003</b>	<b>20.2787</b>	<b>3.9000e-003</b>	<b>20.2826</b>	<b>2.0560</b>	<b>3.6800e-003</b>	<b>2.0597</b>	<b>0.0000</b>	<b>265.2733</b>	<b>265.2733</b>	<b>0.0112</b>	<b>0.0000</b>	<b>265.5522</b>

**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	0.3577	3.1934	2.6003	4.0800e-003		0.1954	0.1954		0.1837	0.1837	0.0000	356.1824	356.1824	0.0868	0.0000	358.3517
<b>Total</b>	<b>0.3577</b>	<b>3.1934</b>	<b>2.6003</b>	<b>4.0800e-003</b>		<b>0.1954</b>	<b>0.1954</b>		<b>0.1837</b>	<b>0.1837</b>	<b>0.0000</b>	<b>356.1824</b>	<b>356.1824</b>	<b>0.0868</b>	<b>0.0000</b>	<b>358.3517</b>

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**3.6 Building Construction - 2019**

**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	0.0153	0.4475	0.0933	1.0300e-003	0.0220	2.6100e-003	0.0246	6.4000e-003	2.4900e-003	8.8900e-003	0.0000	97.3739	97.3739	6.4600e-003	0.0000	97.5353
Worker	0.0924	0.0647	0.6522	1.8600e-003	0.1691	1.2900e-003	0.1704	0.0452	1.1900e-003	0.0464	0.0000	167.8994	167.8994	4.7000e-003	0.0000	168.0168
<b>Total</b>	<b>0.1077</b>	<b>0.5122</b>	<b>0.7455</b>	<b>2.8900e-003</b>	<b>0.1911</b>	<b>3.9000e-003</b>	<b>0.1950</b>	<b>0.0516</b>	<b>3.6800e-003</b>	<b>0.0552</b>	<b>0.0000</b>	<b>265.2733</b>	<b>265.2733</b>	<b>0.0112</b>	<b>0.0000</b>	<b>265.5522</b>

**3.6 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	0.0286	0.2590	0.2275	3.6000e-004		0.0151	0.0151		0.0142	0.0142	0.0000	31.2674	31.2674	7.6300e-003	0.0000	31.4581
<b>Total</b>	<b>0.0286</b>	<b>0.2590</b>	<b>0.2275</b>	<b>3.6000e-004</b>		<b>0.0151</b>	<b>0.0151</b>		<b>0.0142</b>	<b>0.0142</b>	<b>0.0000</b>	<b>31.2674</b>	<b>31.2674</b>	<b>7.6300e-003</b>	<b>0.0000</b>	<b>31.4581</b>

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**3.6 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	1.1500e-003	0.0371	7.3100e-003	9.0000e-005	0.1721	1.6000e-004	0.1722	0.0175	1.5000e-004	0.0177	0.0000	8.6068	8.6068	5.3000e-004	0.0000	8.6200
Worker	7.5500e-003	5.1000e-003	0.0521	1.6000e-004	1.6350	1.1000e-004	1.6351	0.1657	1.0000e-004	0.1658	0.0000	14.4908	14.4908	3.7000e-004	0.0000	14.5000
<b>Total</b>	<b>8.7000e-003</b>	<b>0.0422</b>	<b>0.0594</b>	<b>2.5000e-004</b>	<b>1.8070</b>	<b>2.7000e-004</b>	<b>1.8073</b>	<b>0.1832</b>	<b>2.5000e-004</b>	<b>0.1835</b>	<b>0.0000</b>	<b>23.0976</b>	<b>23.0976</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>23.1200</b>

**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	0.0286	0.2590	0.2275	3.6000e-004		0.0151	0.0151		0.0142	0.0142	0.0000	31.2673	31.2673	7.6300e-003	0.0000	31.4580
<b>Total</b>	<b>0.0286</b>	<b>0.2590</b>	<b>0.2275</b>	<b>3.6000e-004</b>		<b>0.0151</b>	<b>0.0151</b>		<b>0.0142</b>	<b>0.0142</b>	<b>0.0000</b>	<b>31.2673</b>	<b>31.2673</b>	<b>7.6300e-003</b>	<b>0.0000</b>	<b>31.4580</b>



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**3.6 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	1.1500e-003	0.0371	7.3100e-003	9.0000e-005	1.9600e-003	1.6000e-004	2.1200e-003	5.7000e-004	1.5000e-004	7.3000e-004	0.0000	8.6068	8.6068	5.3000e-004	0.0000	8.6200
Worker	7.5500e-003	5.1000e-003	0.0521	1.6000e-004	0.0151	1.1000e-004	0.0152	4.0200e-003	1.0000e-004	4.1300e-003	0.0000	14.4908	14.4908	3.7000e-004	0.0000	14.5000
<b>Total</b>	<b>8.7000e-003</b>	<b>0.0422</b>	<b>0.0594</b>	<b>2.5000e-004</b>	<b>0.0170</b>	<b>2.7000e-004</b>	<b>0.0173</b>	<b>4.5900e-003</b>	<b>2.5000e-004</b>	<b>4.8600e-003</b>	<b>0.0000</b>	<b>23.0976</b>	<b>23.0976</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>23.1200</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2165					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.2652	0.2661	4.3000e-004		0.0186	0.0186		0.0186	0.0186	0.0000	36.8945	36.8945	3.1200e-003	0.0000	36.9724
<b>Total</b>	<b>1.2550</b>	<b>0.2652</b>	<b>0.2661</b>	<b>4.3000e-004</b>		<b>0.0186</b>	<b>0.0186</b>		<b>0.0186</b>	<b>0.0186</b>	<b>0.0000</b>	<b>36.8945</b>	<b>36.8945</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>36.9724</b>

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**3.7 Architectural Coating - 2019**

**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	0.0176	0.0123	0.1244	3.5000e-004	3.5000	2.5000e-004	3.5003	0.3547	2.3000e-004	0.3549	0.0000	32.0283	32.0283	9.0000e-004	0.0000	32.0507
<b>Total</b>	<b>0.0176</b>	<b>0.0123</b>	<b>0.1244</b>	<b>3.5000e-004</b>	<b>3.5000</b>	<b>2.5000e-004</b>	<b>3.5003</b>	<b>0.3547</b>	<b>2.3000e-004</b>	<b>0.3549</b>	<b>0.0000</b>	<b>32.0283</b>	<b>32.0283</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>32.0507</b>

**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	1.2165					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.2652	0.2661	4.3000e-004		0.0186	0.0186		0.0186	0.0186	0.0000	36.8945	36.8945	3.1200e-003	0.0000	36.9724
<b>Total</b>	<b>1.2550</b>	<b>0.2652</b>	<b>0.2661</b>	<b>4.3000e-004</b>		<b>0.0186</b>	<b>0.0186</b>		<b>0.0186</b>	<b>0.0186</b>	<b>0.0000</b>	<b>36.8945</b>	<b>36.8945</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>36.9724</b>

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**3.7 Architectural Coating - 2019**

**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	0.0176	0.0123	0.1244	3.5000e-004	0.0323	2.5000e-004	0.0325	8.6100e-003	2.3000e-004	8.8400e-003	0.0000	32.0283	32.0283	9.0000e-004	0.0000	32.0507
<b>Total</b>	<b>0.0176</b>	<b>0.0123</b>	<b>0.1244</b>	<b>3.5000e-004</b>	<b>0.0323</b>	<b>2.5000e-004</b>	<b>0.0325</b>	<b>8.6100e-003</b>	<b>2.3000e-004</b>	<b>8.8400e-003</b>	<b>0.0000</b>	<b>32.0283</b>	<b>32.0283</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>32.0507</b>

**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	0.1726					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9600e-003	0.0345	0.0375	6.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	5.2342	5.2342	4.1000e-004	0.0000	5.2443
<b>Total</b>	<b>0.1776</b>	<b>0.0345</b>	<b>0.0375</b>	<b>6.0000e-005</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>5.2342</b>	<b>5.2342</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>5.2443</b>

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**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	2.2900e-003	1.5500e-003	0.0158	5.0000e-005	0.4965	3.0000e-005	0.4966	0.0503	3.0000e-005	0.0504	0.0000	4.4009	4.4009	1.1000e-004	0.0000	4.4037
<b>Total</b>	<b>2.2900e-003</b>	<b>1.5500e-003</b>	<b>0.0158</b>	<b>5.0000e-005</b>	<b>0.4965</b>	<b>3.0000e-005</b>	<b>0.4966</b>	<b>0.0503</b>	<b>3.0000e-005</b>	<b>0.0504</b>	<b>0.0000</b>	<b>4.4009</b>	<b>4.4009</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>4.4037</b>

**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	0.1726					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9600e-003	0.0345	0.0375	6.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	5.2342	5.2342	4.1000e-004	0.0000	5.2443
<b>Total</b>	<b>0.1776</b>	<b>0.0345</b>	<b>0.0375</b>	<b>6.0000e-005</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>5.2342</b>	<b>5.2342</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>5.2443</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	2.2900e-003	1.5500e-003	0.0158	5.0000e-005	4.5800e-003	3.0000e-005	4.6100e-003	1.2200e-003	3.0000e-005	1.2500e-003	0.0000	4.4009	4.4009	1.1000e-004	0.0000	4.4037
<b>Total</b>	<b>2.2900e-003</b>	<b>1.5500e-003</b>	<b>0.0158</b>	<b>5.0000e-005</b>	<b>4.5800e-003</b>	<b>3.0000e-005</b>	<b>4.6100e-003</b>	<b>1.2200e-003</b>	<b>3.0000e-005</b>	<b>1.2500e-003</b>	<b>0.0000</b>	<b>4.4009</b>	<b>4.4009</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>4.4037</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.3916	2.7722	3.7073	0.0141	0.9353	0.0126	0.9479	0.2518	0.0118	0.2636	0.0000	1,297.9994	1,297.9994	0.0773	0.0000	1,299.9318
Unmitigated	0.4058	2.8917	3.9858	0.0154	1.0392	0.0137	1.0530	0.2798	0.0129	0.2927	0.0000	1,420.4713	1,420.4713	0.0812	0.0000	1,422.5006

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477
Total	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477

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	7.93	3.97	5.55	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987

5.0 Energy Detail

Historical Energy Use: N

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	124.2983	124.2983	0.0124	2.5700e-003	125.3754
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	124.2983	124.2983	0.0124	2.5700e-003	125.3754
NaturalGas Mitigated	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	115.4835	115.4835	2.2100e-003	2.1200e-003	116.1697
NaturalGas Unmitigated	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	115.4835	115.4835	2.2100e-003	2.1200e-003	116.1697

**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	2.16408e+006	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	115.4835	115.4835	2.2100e-003	2.1200e-003	116.1697
<b>Total</b>		<b>0.0117</b>	<b>0.0997</b>	<b>0.0424</b>	<b>6.4000e-004</b>		<b>8.0600e-003</b>	<b>8.0600e-003</b>		<b>8.0600e-003</b>	<b>8.0600e-003</b>	<b>0.0000</b>	<b>115.4835</b>	<b>115.4835</b>	<b>2.2100e-003</b>	<b>2.1200e-003</b>	<b>116.1697</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	2.16408e+006	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	115.4835	115.4835	2.2100e-003	2.1200e-003	116.1697
<b>Total</b>		<b>0.0117</b>	<b>0.0997</b>	<b>0.0424</b>	<b>6.4000e-004</b>		<b>8.0600e-003</b>	<b>8.0600e-003</b>		<b>8.0600e-003</b>	<b>8.0600e-003</b>	<b>0.0000</b>	<b>115.4835</b>	<b>115.4835</b>	<b>2.2100e-003</b>	<b>2.1200e-003</b>	<b>116.1697</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	944934	124.2983	0.0124	2.5700e-003	125.3754
<b>Total</b>		<b>124.2983</b>	<b>0.0124</b>	<b>2.5700e-003</b>	<b>125.3754</b>



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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	944934	124.2983	0.0124	2.5700e-003	125.3754
<b>Total</b>		<b>124.2983</b>	<b>0.0124</b>	<b>2.5700e-003</b>	<b>125.3754</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Use Low VOC Cleaning Supplies

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.9912	0.0191	1.6520	9.0000e-005		9.1100e-003	9.1100e-003		9.1100e-003	9.1100e-003	0.0000	2.6926	2.6926	2.6100e-003	0.0000	2.7578
Unmitigated	21.6845	0.3829	27.1559	0.0462		3.5855	3.5855		3.5855	3.5855	340.8679	98.8646	439.7325	0.3212	0.0259	455.4687

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	0.1389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8670					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	20.6285	0.3639	25.5040	0.0461		3.5764	3.5764		3.5764	3.5764	340.8679	96.1720	437.0399	0.3186	0.0259	452.7109
Landscaping	0.0501	0.0191	1.6520	9.0000e-005		9.1100e-003	9.1100e-003		9.1100e-003	9.1100e-003	0.0000	2.6926	2.6926	2.6100e-003	0.0000	2.7578
<b>Total</b>	<b>21.6845</b>	<b>0.3829</b>	<b>27.1559</b>	<b>0.0462</b>		<b>3.5855</b>	<b>3.5855</b>		<b>3.5855</b>	<b>3.5855</b>	<b>340.8679</b>	<b>98.8646</b>	<b>439.7325</b>	<b>0.3212</b>	<b>0.0259</b>	<b>455.4687</b>

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano 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	0.1389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8022					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	0.0501	0.0191	1.6520	9.0000e-005		9.1100e-003	9.1100e-003		9.1100e-003	9.1100e-003	0.0000	2.6926	2.6926	2.6100e-003	0.0000	2.7578
<b>Total</b>	<b>0.9912</b>	<b>0.0191</b>	<b>1.6520</b>	<b>9.0000e-005</b>		<b>9.1100e-003</b>	<b>9.1100e-003</b>		<b>9.1100e-003</b>	<b>9.1100e-003</b>	<b>0.0000</b>	<b>2.6926</b>	<b>2.6926</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>2.7578</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

3820 Chile Road (Preferred Site Plan) Unmitigated - Yolo/Solano AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.5179	0.3309	7.9800e-003	23.1681
Unmitigated	19.0823	0.4728	0.0114	34.3071

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.4642 / 9.11873	19.0823	0.4728	0.0114	34.3071
<b>Total</b>		<b>19.0823</b>	<b>0.4728</b>	<b>0.0114</b>	<b>34.3071</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	10.1249 / 4.55937	12.5179	0.3309	7.9800e-003	23.1681
<b>Total</b>		<b>12.5179</b>	<b>0.3309</b>	<b>7.9800e-003</b>	<b>23.1681</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	20.7294	1.2251	0.0000	51.3563
Unmitigated	20.7294	1.2251	0.0000	51.3563

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	102.12	20.7294	1.2251	0.0000	51.3563
<b>Total</b>		<b>20.7294</b>	<b>1.2251</b>	<b>0.0000</b>	<b>51.3563</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	102.12	20.7294	1.2251	0.0000	51.3563
<b>Total</b>		<b>20.7294</b>	<b>1.2251</b>	<b>0.0000</b>	<b>51.3563</b>

**9.0 Operational Offroad**

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

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**3820 Chile Road (Preferred Site Plan) Unmitigated**  
**Yolo/Solano 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	4.34700E-002	2.99730E-001	3.03620E-001	4.90000E-004	2.08800E-002	2.08800E-002	0.00000E+000	4.21287E+001	4.21287E+001	3.52000E-003	0.00000E+000	4.22167E+001
Concrete/Industrial Saws	5.08000E-003	3.94700E-002	4.07200E-002	7.00000E-005	2.52000E-003	2.52000E-003	0.00000E+000	5.91423E+000	5.91423E+000	4.20000E-004	0.00000E+000	5.92464E+000
Cranes	7.21700E-002	8.59990E-001	3.28960E-001	8.30000E-004	3.63800E-002	3.34700E-002	0.00000E+000	7.46811E+001	7.46811E+001	2.36700E-002	0.00000E+000	7.52729E+001
Excavators	9.91000E-003	1.01910E-001	1.24000E-001	2.00000E-004	4.91000E-003	4.52000E-003	0.00000E+000	1.76200E+001	1.76200E+001	5.57000E-003	0.00000E+000	1.77594E+001
Forklifts	7.85300E-002	7.01720E-001	5.90560E-001	7.60000E-004	5.42000E-002	4.98700E-002	0.00000E+000	6.78305E+001	6.78305E+001	2.15000E-002	0.00000E+000	6.83680E+001
Generator Sets	7.26500E-002	6.19310E-001	6.14070E-001	1.09000E-003	3.68600E-002	3.68600E-002	0.00000E+000	9.32592E+001	9.32592E+001	5.85000E-003	0.00000E+000	9.34056E+001
Graders	2.43000E-003	3.29000E-002	9.19000E-003	3.00000E-005	1.06000E-003	9.70000E-004	0.00000E+000	2.98295E+000	2.98295E+000	9.40000E-004	0.00000E+000	3.00654E+000
Pavers	2.88000E-003	3.12500E-002	2.90200E-002	5.00000E-005	1.53000E-003	1.41000E-003	0.00000E+000	4.22293E+000	4.22293E+000	1.34000E-003	0.00000E+000	4.25633E+000
Paving Equipment	2.13000E-003	2.25700E-002	2.52300E-002	4.00000E-005	1.12000E-003	1.03000E-003	0.00000E+000	3.65885E+000	3.65885E+000	1.16000E-003	0.00000E+000	3.68779E+000
Rollers	2.27000E-003	2.24100E-002	1.90700E-002	3.00000E-005	1.47000E-003	1.36000E-003	0.00000E+000	2.35581E+000	2.35581E+000	7.50000E-004	0.00000E+000	2.37445E+000
Rubber Tired Dozers	4.76500E-002	5.07130E-001	1.79930E-001	3.60000E-004	2.47300E-002	2.27500E-002	0.00000E+000	3.22123E+001	3.22123E+001	1.01900E-002	0.00000E+000	3.24671E+001
Tractors/Loaders/Backhoes	1.08160E-001	1.08595E+000	1.07713E+000	1.45000E-003	7.22300E-002	6.64600E-002	0.00000E+000	1.30388E+002	1.30388E+002	4.13200E-002	0.00000E+000	1.31421E+002
Welders	6.29700E-002	2.67290E-001	2.97640E-001	4.20000E-004	1.62700E-002	1.62700E-002	0.00000E+000	3.10564E+001	3.10564E+001	5.14000E-003	0.00000E+000	3.11850E+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	4.34700E-002	2.99730E-001	3.03620E-001	4.90000E-004	2.08800E-002	2.08800E-002	0.00000E+000	4.21286E+001	4.21286E+001	3.52000E-003	0.00000E+000	4.22167E+001
Concrete/Industrial Saws	5.08000E-003	3.94700E-002	4.07200E-002	7.00000E-005	2.52000E-003	2.52000E-003	0.00000E+000	5.91422E+000	5.91422E+000	4.20000E-004	0.00000E+000	5.92463E+000
Cranes	7.21700E-002	8.59990E-001	3.28960E-001	8.30000E-004	3.63800E-002	3.34700E-002	0.00000E+000	7.46810E+001	7.46810E+001	2.36700E-002	0.00000E+000	7.52728E+001
Excavators	9.91000E-003	1.01910E-001	1.24000E-001	2.00000E-004	4.91000E-003	4.52000E-003	0.00000E+000	1.76200E+001	1.76200E+001	5.57000E-003	0.00000E+000	1.77594E+001
Forklifts	7.85300E-002	7.01710E-001	5.90560E-001	7.60000E-004	5.42000E-002	4.98700E-002	0.00000E+000	6.78305E+001	6.78305E+001	2.15000E-002	0.00000E+000	6.83679E+001
Generator Sets	7.26500E-002	6.19310E-001	6.14070E-001	1.09000E-003	3.68600E-002	3.68600E-002	0.00000E+000	9.32591E+001	9.32591E+001	5.85000E-003	0.00000E+000	9.34055E+001
Graders	2.43000E-003	3.29000E-002	9.19000E-003	3.00000E-005	1.06000E-003	9.70000E-004	0.00000E+000	2.98294E+000	2.98294E+000	9.40000E-004	0.00000E+000	3.00654E+000
Pavers	2.88000E-003	3.12500E-002	2.90200E-002	5.00000E-005	1.53000E-003	1.41000E-003	0.00000E+000	4.22292E+000	4.22292E+000	1.34000E-003	0.00000E+000	4.25633E+000
Paving Equipment	2.13000E-003	2.25700E-002	2.52300E-002	4.00000E-005	1.12000E-003	1.03000E-003	0.00000E+000	3.65885E+000	3.65885E+000	1.16000E-003	0.00000E+000	3.68779E+000
Rollers	2.27000E-003	2.24100E-002	1.90700E-002	3.00000E-005	1.47000E-003	1.36000E-003	0.00000E+000	2.35581E+000	2.35581E+000	7.50000E-004	0.00000E+000	2.37444E+000
Rubber Tired Dozers	4.76500E-002	5.07120E-001	1.79930E-001	3.60000E-004	2.47300E-002	2.27500E-002	0.00000E+000	3.22123E+001	3.22123E+001	1.01900E-002	0.00000E+000	3.24671E+001
Tractors/Loaders/Balckhoes	1.08160E-001	1.08595E+000	1.07713E+000	1.45000E-003	7.22300E-002	6.64600E-002	0.00000E+000	1.30388E+002	1.30388E+002	4.13200E-002	0.00000E+000	1.31421E+002
Welders	6.29700E-002	2.67290E-001	2.97640E-001	4.20000E-004	1.62700E-002	1.62700E-002	0.00000E+000	3.10564E+001	3.10564E+001	5.14000E-003	0.00000E+000	3.11849E+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	1.18684E-006	1.18684E-006	0.00000E+000	0.00000E+000	1.18436E-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	1.69084E-006	1.69084E-006	0.00000E+000	0.00000E+000	1.68787E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20512E-006	1.20512E-006	0.00000E+000	0.00000E+000	1.19565E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13507E-006	1.13507E-006	0.00000E+000	0.00000E+000	1.12616E-006
Forklifts	0.00000E+000	1.42507E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17941E-006	1.17941E-006	0.00000E+000	0.00000E+000	1.17014E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17766E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.35239E-006	3.35239E-006	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.36802E-006	2.36802E-006	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	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
Rollers	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	4.21150E-006
Rubber Tired Dozers	0.00000E+000	1.97188E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24176E-006	1.24176E-006	0.00000E+000	0.00000E+000	1.23202E-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	1.15041E-006	1.15041E-006	0.00000E+000	0.00000E+000	1.14137E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.65984E-007	9.65984E-007	0.00000E+000	0.00000E+000	9.62002E-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	4.00	0.40	0.04	0.01	0.99	0.98
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	22.09	2.24	0.21	0.06	0.99	0.97
Demolition	Fugitive Dust	0.03	0.00	0.03	0.00	0.00	0.00
Demolition	Roads	0.31	0.03	0.00	0.00	0.99	0.97
Grading	Fugitive Dust	0.03	0.02	0.03	0.02	0.00	0.00
Grading	Roads	0.06	0.01	0.00	0.00	0.99	0.98
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.06	0.01	0.00	0.00	0.99	0.98
Site Preparation	Fugitive Dust	0.09	0.05	0.09	0.05	0.00	0.00
Site Preparation	Roads	0.40	0.04	0.00	0.00	0.99	0.97

**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	7.48	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	3.49	4.13	6.99	8.65	8.38	8.44	0.00	8.62	8.62	4.78	0.00	8.62
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	30.00	35.79	34.40	30.02	30.18	32.47
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
Yes	Land Use	Increase Density	0.00	30.00		
Yes	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.21	0.10		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.10			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	0.00	Rural		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
Yes	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.10			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00			2.00
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.10		

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
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
Yes	Apply Water Conservation on Strategy	30.00	50.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
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	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

**Solid Waste Mitigation**

Mitigation Measures	Input Value
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Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3820 Chile Road (Preferred Site Plan) mitigated**  
**Yolo/Solano AQMD Air District, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	222.00	Dwelling Unit	7.40	222,000.00	635

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates form KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard

Construction Off-road Equipment Mitigation - Tier 4 Mitigation

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	5.84	7.40
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.55
tblVehicleTrips	HS_TL	5.00	3.97
tblVehicleTrips	HW_TL	10.00	7.93
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	WD_TR	6.65	5.96

**2.0 Emissions Summary**

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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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					
2019	11.9766	58.0139	25.4818	0.0761	185.9054	2.4438	187.3513	19.4972	2.2502	21.7474	0.0000	7,750.3719	7,750.3719	1.3548	0.0000	7,784.2416
2020	11.6258	23.9796	24.4851	0.0523	185.9054	1.2498	187.1552	18.8099	1.1818	19.9917	0.0000	5,106.0209	5,106.0209	0.7252	0.0000	5,124.1514
<b>Maximum</b>	<b>11.9766</b>	<b>58.0139</b>	<b>25.4818</b>	<b>0.0761</b>	<b>185.9054</b>	<b>2.4438</b>	<b>187.3513</b>	<b>19.4972</b>	<b>2.2502</b>	<b>21.7474</b>	<b>0.0000</b>	<b>7,750.3719</b>	<b>7,750.3719</b>	<b>1.3548</b>	<b>0.0000</b>	<b>7,784.2416</b>

**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					
2019	9.7065	14.4587	25.7693	0.0761	185.9054	0.1155	185.9774	19.4972	0.1132	19.6103	0.0000	7,750.3719	7,750.3719	1.3548	0.0000	7,784.2416
2020	9.6213	5.4732	25.0978	0.0523	185.9054	0.0666	185.9720	18.8099	0.0653	18.8752	0.0000	5,106.0209	5,106.0209	0.7252	0.0000	5,124.1514
<b>Maximum</b>	<b>9.7065</b>	<b>14.4587</b>	<b>25.7693</b>	<b>0.0761</b>	<b>185.9054</b>	<b>0.1155</b>	<b>185.9774</b>	<b>19.4972</b>	<b>0.1132</b>	<b>19.6103</b>	<b>0.0000</b>	<b>7,750.3719</b>	<b>7,750.3719</b>	<b>1.3548</b>	<b>0.0000</b>	<b>7,784.2416</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>18.11</b>	<b>75.69</b>	<b>-1.80</b>	<b>0.00</b>	<b>0.00</b>	<b>95.07</b>	<b>0.68</b>	<b>0.00</b>	<b>94.80</b>	<b>7.80</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	509.2023	9.0866	640.4029	1.1246		87.3309	87.3309		87.3309	87.3309	9,164.4520	2,618.6257	11,783.0776	8.5968	0.6953	12,205.2001
Energy	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
Mobile	2.6996	15.5327	23.3596	0.0900	5.8985	0.0748	5.9733	1.5833	0.0703	1.6537		9,152.5865	9,152.5865	0.4869		9,164.7583
<b>Total</b>	<b>511.9658</b>	<b>25.1657</b>	<b>663.9950</b>	<b>1.2181</b>	<b>5.8985</b>	<b>87.4499</b>	<b>93.3484</b>	<b>1.5833</b>	<b>87.4454</b>	<b>89.0288</b>	<b>9,164.4520</b>	<b>12,468.7394</b>	<b>21,633.1914</b>	<b>9.0971</b>	<b>0.7081</b>	<b>22,071.6307</b>

**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	5.7129	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012	0.0000	32.9786	32.9786	0.0320	0.0000	33.7776
Energy	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
Mobile	2.6195	14.9221	21.5662	0.0822	5.3087	0.0684	5.3771	1.4250	0.0643	1.4893		8,361.8857	8,361.8857	0.4621		8,373.4375
<b>Total</b>	<b>8.3963</b>	<b>15.6803</b>	<b>40.1538</b>	<b>0.0866</b>	<b>5.3087</b>	<b>0.2138</b>	<b>5.5225</b>	<b>1.4250</b>	<b>0.2097</b>	<b>1.6347</b>	<b>0.0000</b>	<b>9,092.3915</b>	<b>9,092.3915</b>	<b>0.5074</b>	<b>0.0128</b>	<b>9,108.8874</b>



3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	98.36	37.69	93.95	92.89	10.00	99.76	94.08	10.00	99.76	98.16	100.00	27.08	57.97	94.42	98.19	58.73

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/29/2019	2/7/2019	7	10	
3	Grading	Grading	2/12/2019	2/21/2019	7	10	
4	Paving	Paving	2/22/2019	3/3/2019	7	10	
5	Building Construction	Building Construction	3/4/2019	1/27/2020	7	330	
6	Architectural Coating	Architectural Coating	3/18/2019	2/10/2020	7	330	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 7.4**

**Acres of Paving: 0**

**Residential Indoor: 449,550; Residential Outdoor: 149,850; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

#### OffRoad Equipment

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	160.00	24.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

**3.2 Demolition - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>		<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.2 Demolition - 2019**

**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	0.0946	3.1008	0.4886	9.1500e-003	19.5286	0.0131	19.5417	1.9808	0.0126	1.9934		958.6602	958.6602	0.0397		959.6537
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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.1595</b>	<b>3.1367</b>	<b>0.9501</b>	<b>0.0104</b>	<b>32.8819</b>	<b>0.0139</b>	<b>32.8958</b>	<b>3.3313</b>	<b>0.0133</b>	<b>3.3446</b>		<b>1,084.3846</b>	<b>1,084.3846</b>	<b>0.0433</b>		<b>1,085.4663</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>0.4623</b>	<b>2.0032</b>	<b>23.2798</b>	<b>0.0388</b>	<b>2.7778</b>	<b>0.0616</b>	<b>2.8394</b>	<b>0.4207</b>	<b>0.0616</b>	<b>0.4823</b>	<b>0.0000</b>	<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.2 Demolition - 2019**

**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	0.0946	3.1008	0.4886	9.1500e-003	19.5286	0.0131	19.5417	1.9808	0.0126	1.9934		958.6602	958.6602	0.0397		959.6537
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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.1595</b>	<b>3.1367</b>	<b>0.9501</b>	<b>0.0104</b>	<b>32.8819</b>	<b>0.0139</b>	<b>32.8958</b>	<b>3.3313</b>	<b>0.0133</b>	<b>3.3446</b>		<b>1,084.3846</b>	<b>1,084.3846</b>	<b>0.0433</b>		<b>1,085.4663</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.3 Site Preparation - 2019**

**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	0.3783	12.3982	1.9534	0.0366	78.0820	0.0525	78.1345	7.9199	0.0502	7.9701		3,833.0497	3,833.0497	0.1589		3,837.0218
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	0.0779	0.0430	0.5538	1.5100e-003	16.0239	9.6000e-004	16.0249	1.6206	8.8000e-004	1.6215		150.8693	150.8693	4.2400e-003		150.9752
<b>Total</b>	<b>0.4562</b>	<b>12.4412</b>	<b>2.5072</b>	<b>0.0381</b>	<b>94.1060</b>	<b>0.0535</b>	<b>94.1594</b>	<b>9.5405</b>	<b>0.0511</b>	<b>9.5916</b>		<b>3,983.9190</b>	<b>3,983.9190</b>	<b>0.1631</b>		<b>3,987.9970</b>

**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					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>0.4656</b>	<b>2.0175</b>	<b>20.8690</b>	<b>0.0380</b>	<b>18.2379</b>	<b>0.0621</b>	<b>18.3000</b>	<b>9.9567</b>	<b>0.0621</b>	<b>10.0188</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.3 Site Preparation - 2019**

**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	0.3783	12.3982	1.9534	0.0366	78.0820	0.0525	78.1345	7.9199	0.0502	7.9701		3,833.0497	3,833.0497	0.1589		3,837.0218
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	0.0779	0.0430	0.5538	1.5100e-003	16.0239	9.6000e-004	16.0249	1.6206	8.8000e-004	1.6215		150.8693	150.8693	4.2400e-003		150.9752
<b>Total</b>	<b>0.4562</b>	<b>12.4412</b>	<b>2.5072</b>	<b>0.0381</b>	<b>94.1060</b>	<b>0.0535</b>	<b>94.1594</b>	<b>9.5405</b>	<b>0.0511</b>	<b>9.5916</b>		<b>3,983.9190</b>	<b>3,983.9190</b>	<b>0.1631</b>		<b>3,987.9970</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>		<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.4 Grading - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**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					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>0.3632</b>	<b>1.5737</b>	<b>17.7527</b>	<b>0.0297</b>	<b>6.8069</b>	<b>0.0484</b>	<b>6.8553</b>	<b>3.3950</b>	<b>0.0484</b>	<b>3.4434</b>	<b>0.0000</b>	<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>



3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.4 Grading - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.5 Paving - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2805</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.5 Paving - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.6 Building Construction - 2019**

**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	0.0994	2.9027	0.5695	6.8700e-003	14.9837	0.0170	15.0007	1.5235	0.0163	1.5398		718.4912	718.4912	0.0446		719.6056
Worker	0.6923	0.3823	4.9226	0.0135	142.4348	8.5100e-003	142.4433	14.4053	7.8500e-003	14.4132		1,341.0603	1,341.0603	0.0377		1,342.0020
<b>Total</b>	<b>0.7917</b>	<b>3.2850</b>	<b>5.4922</b>	<b>0.0203</b>	<b>157.4185</b>	<b>0.0255</b>	<b>157.4440</b>	<b>15.9289</b>	<b>0.0241</b>	<b>15.9530</b>		<b>2,059.5516</b>	<b>2,059.5516</b>	<b>0.0822</b>		<b>2,061.6076</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0269</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.6 Building Construction - 2019**

**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	0.0994	2.9027	0.5695	6.8700e-003	14.9837	0.0170	15.0007	1.5235	0.0163	1.5398		718.4912	718.4912	0.0446		719.6056
Worker	0.6923	0.3823	4.9226	0.0135	142.4348	8.5100e-003	142.4433	14.4053	7.8500e-003	14.4132		1,341.0603	1,341.0603	0.0377		1,342.0020
<b>Total</b>	<b>0.7917</b>	<b>3.2850</b>	<b>5.4922</b>	<b>0.0203</b>	<b>157.4185</b>	<b>0.0255</b>	<b>157.4440</b>	<b>15.9289</b>	<b>0.0241</b>	<b>15.9530</b>		<b>2,059.5516</b>	<b>2,059.5516</b>	<b>0.0822</b>		<b>2,061.6076</b>

**3.6 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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.6 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	0.0837	2.7038	0.4993	6.8100e-003	14.9837	0.0118	14.9955	1.5235	0.0113	1.5348		712.7698	712.7698	0.0409		713.7923
Worker	0.6343	0.3383	4.4216	0.0130	142.4348	8.3100e-003	142.4431	14.4053	7.6600e-003	14.4130		1,298.9500	1,298.9500	0.0331		1,299.7765
<b>Total</b>	<b>0.7181</b>	<b>3.0421</b>	<b>4.9209</b>	<b>0.0199</b>	<b>157.4185</b>	<b>0.0202</b>	<b>157.4386</b>	<b>15.9289</b>	<b>0.0190</b>	<b>15.9478</b>		<b>2,011.7198</b>	<b>2,011.7198</b>	<b>0.0740</b>		<b>2,013.5688</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0269</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.6 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	0.0837	2.7038	0.4993	6.8100e-003	14.9837	0.0118	14.9955	1.5235	0.0113	1.5348		712.7698	712.7698	0.0409		713.7923
Worker	0.6343	0.3383	4.4216	0.0130	142.4348	8.3100e-003	142.4431	14.4053	7.6600e-003	14.4130		1,298.9500	1,298.9500	0.0331		1,299.7765
<b>Total</b>	<b>0.7181</b>	<b>3.0421</b>	<b>4.9209</b>	<b>0.0199</b>	<b>157.4185</b>	<b>0.0202</b>	<b>157.4386</b>	<b>15.9289</b>	<b>0.0190</b>	<b>15.9478</b>		<b>2,011.7198</b>	<b>2,011.7198</b>	<b>0.0740</b>		<b>2,013.5688</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>8.6853</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.7 Architectural Coating - 2019**

**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	0.1385	0.0765	0.9845	2.6900e-003	28.4870	1.7000e-003	28.4887	2.8811	1.5700e-003	2.8826		268.2121	268.2121	7.5300e-003		268.4004
<b>Total</b>	<b>0.1385</b>	<b>0.0765</b>	<b>0.9845</b>	<b>2.6900e-003</b>	<b>28.4870</b>	<b>1.7000e-003</b>	<b>28.4887</b>	<b>2.8811</b>	<b>1.5700e-003</b>	<b>2.8826</b>		<b>268.2121</b>	<b>268.2121</b>	<b>7.5300e-003</b>		<b>268.4004</b>

**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	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>8.4486</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>



3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**3.7 Architectural Coating - 2019**

**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	0.1385	0.0765	0.9845	2.6900e-003	28.4870	1.7000e-003	28.4887	2.8811	1.5700e-003	2.8826		268.2121	268.2121	7.5300e-003		268.4004
<b>Total</b>	<b>0.1385</b>	<b>0.0765</b>	<b>0.9845</b>	<b>2.6900e-003</b>	<b>28.4870</b>	<b>1.7000e-003</b>	<b>28.4887</b>	<b>2.8811</b>	<b>1.5700e-003</b>	<b>2.8826</b>		<b>268.2121</b>	<b>268.2121</b>	<b>7.5300e-003</b>		<b>268.4004</b>

**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	8.4189					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
<b>Total</b>	<b>8.6610</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.1269	0.0677	0.8843	2.6100e-003	28.4870	1.6600e-003	28.4886	2.8811	1.5300e-003	2.8826		259.7900	259.7900	6.6100e-003		259.9553
<b>Total</b>	<b>0.1269</b>	<b>0.0677</b>	<b>0.8843</b>	<b>2.6100e-003</b>	<b>28.4870</b>	<b>1.6600e-003</b>	<b>28.4886</b>	<b>2.8811</b>	<b>1.5300e-003</b>	<b>2.8826</b>		<b>259.7900</b>	<b>259.7900</b>	<b>6.6100e-003</b>		<b>259.9553</b>

**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	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>8.4486</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.1269	0.0677	0.8843	2.6100e-003	28.4870	1.6600e-003	28.4886	2.8811	1.5300e-003	2.8826		259.7900	259.7900	6.6100e-003		259.9553
<b>Total</b>	<b>0.1269</b>	<b>0.0677</b>	<b>0.8843</b>	<b>2.6100e-003</b>	<b>28.4870</b>	<b>1.6600e-003</b>	<b>28.4886</b>	<b>2.8811</b>	<b>1.5300e-003</b>	<b>2.8826</b>		<b>259.7900</b>	<b>259.7900</b>	<b>6.6100e-003</b>		<b>259.9553</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	2.6195	14.9221	21.5662	0.0822	5.3087	0.0684	5.3771	1.4250	0.0643	1.4893		8,361.8857	8,361.8857	0.4621		8,373.4375
Unmitigated	2.6996	15.5327	23.3596	0.0900	5.8985	0.0748	5.9733	1.5833	0.0703	1.6537		9,152.5865	9,152.5865	0.4869		9,164.7583

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477
Total	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477

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	7.93	3.97	5.55	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987

5.0 Energy Detail

Historical Energy Use: N

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
NaturalGas Unmitigated	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723

**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	5928.98	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
<b>Total</b>		<b>0.0639</b>	<b>0.5464</b>	<b>0.2325</b>	<b>3.4900e-003</b>		<b>0.0442</b>	<b>0.0442</b>		<b>0.0442</b>	<b>0.0442</b>		<b>697.5272</b>	<b>697.5272</b>	<b>0.0134</b>	<b>0.0128</b>	<b>701.6723</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

**5.2 Energy by Land Use - Natural Gas**

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	5.92898	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
<b>Total</b>		<b>0.0639</b>	<b>0.5464</b>	<b>0.2325</b>	<b>3.4900e-003</b>		<b>0.0442</b>	<b>0.0442</b>		<b>0.0442</b>	<b>0.0442</b>		<b>697.5272</b>	<b>697.5272</b>	<b>0.0134</b>	<b>0.0128</b>	<b>701.6723</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Use Low VOC Cleaning Supplies

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	5.7129	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012	0.0000	32.9786	32.9786	0.0320	0.0000	33.7776
Unmitigated	509.2023	9.0866	640.4029	1.1246		87.3309	87.3309		87.3309	87.3309	9,164.4520	2,618.6257	11,783.0776	8.5968	0.6953	12,205.2001

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	0.7612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	503.1342	8.8747	622.0478	1.1236		87.2298	87.2298		87.2298	87.2298	9,164.4520	2,585.6471	11,750.0990	8.5649	0.6953	12,171.4225
Landscaping	0.5561	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012		32.9786	32.9786	0.0320		33.7776
<b>Total</b>	<b>509.2023</b>	<b>9.0866</b>	<b>640.4029</b>	<b>1.1246</b>		<b>87.3309</b>	<b>87.3309</b>		<b>87.3309</b>	<b>87.3309</b>	<b>9,164.4520</b>	<b>2,618.6257</b>	<b>11,783.0776</b>	<b>8.5968</b>	<b>0.6953</b>	<b>12,205.2001</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.7612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.3956					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	0.5561	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012		32.9786	32.9786	0.0320		33.7776
<b>Total</b>	<b>5.7129</b>	<b>0.2119</b>	<b>18.3551</b>	<b>9.7000e-004</b>		<b>0.1012</b>	<b>0.1012</b>		<b>0.1012</b>	<b>0.1012</b>	<b>0.0000</b>	<b>32.9786</b>	<b>32.9786</b>	<b>0.0320</b>	<b>0.0000</b>	<b>33.7776</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Summer

## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3820 Chile Road (Preferred Site Plan) mitigated**  
**Yolo/Solano AQMD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	222.00	Dwelling Unit	7.40	222,000.00	635

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MWhr)</b>	290	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates form KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard

Construction Off-road Equipment Mitigation - Tier 4 Mitigation

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	5.84	7.40
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.55
tblVehicleTrips	HS_TL	5.00	3.97
tblVehicleTrips	HW_TL	10.00	7.93
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	WD_TR	6.65	5.96

**2.0 Emissions Summary**

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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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					
2019	11.9378	58.4479	25.0069	0.0751	185.9054	2.4452	187.3517	19.4972	2.2516	21.7488	0.0000	7,649.1579	7,649.1579	1.3743	0.0000	7,683.5163
2020	11.5898	24.1192	24.0302	0.0504	185.9054	1.2502	187.1556	18.8099	1.1821	19.9921	0.0000	4,907.7941	4,907.7941	0.7267	0.0000	4,925.9614
<b>Maximum</b>	<b>11.9378</b>	<b>58.4479</b>	<b>25.0069</b>	<b>0.0751</b>	<b>185.9054</b>	<b>2.4452</b>	<b>187.3517</b>	<b>19.4972</b>	<b>2.2516</b>	<b>21.7488</b>	<b>0.0000</b>	<b>7,649.1579</b>	<b>7,649.1579</b>	<b>1.3743</b>	<b>0.0000</b>	<b>7,683.5163</b>

**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					
2019	9.6677	14.8927	25.2944	0.0751	185.9054	0.1170	185.9779	19.4972	0.1145	19.6117	0.0000	7,649.1579	7,649.1579	1.3743	0.0000	7,683.5163
2020	9.5853	5.6128	24.6430	0.0504	185.9054	0.0669	185.9723	18.8099	0.0656	18.8755	0.0000	4,907.7941	4,907.7941	0.7267	0.0000	4,925.9613
<b>Maximum</b>	<b>9.6677</b>	<b>14.8927</b>	<b>25.2944</b>	<b>0.0751</b>	<b>185.9054</b>	<b>0.1170</b>	<b>185.9779</b>	<b>19.4972</b>	<b>0.1145</b>	<b>19.6117</b>	<b>0.0000</b>	<b>7,649.1579</b>	<b>7,649.1579</b>	<b>1.3743</b>	<b>0.0000</b>	<b>7,683.5163</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>18.17</b>	<b>75.17</b>	<b>-1.84</b>	<b>0.00</b>	<b>0.00</b>	<b>95.02</b>	<b>0.68</b>	<b>0.00</b>	<b>94.75</b>	<b>7.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	509.2023	9.0866	640.4029	1.1246		87.3309	87.3309		87.3309	87.3309	9,164.4520	2,618.6257	11,783.0776	8.5968	0.6953	12,205.2001
Energy	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
Mobile	2.1533	16.0640	23.4487	0.0826	5.8985	0.0766	5.9751	1.5833	0.0721	1.6554		8,409.8124	8,409.8124	0.5149		8,422.6841
<b>Total</b>	<b>511.4195</b>	<b>25.6970</b>	<b>664.0841</b>	<b>1.2107</b>	<b>5.8985</b>	<b>87.4517</b>	<b>93.3503</b>	<b>1.5833</b>	<b>87.4472</b>	<b>89.0305</b>	<b>9,164.4520</b>	<b>11,725.9653</b>	<b>20,890.4172</b>	<b>9.1251</b>	<b>0.7081</b>	<b>21,329.5565</b>

**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	5.7129	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012	0.0000	32.9786	32.9786	0.0320	0.0000	33.7776
Energy	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
Mobile	2.0746	15.3792	21.9265	0.0754	5.3087	0.0703	5.3789	1.4250	0.0661	1.4911		7,679.4488	7,679.4488	0.4915		7,691.7360
<b>Total</b>	<b>7.8514</b>	<b>16.1374</b>	<b>40.5140</b>	<b>0.0799</b>	<b>5.3087</b>	<b>0.2156</b>	<b>5.5243</b>	<b>1.4250</b>	<b>0.2115</b>	<b>1.6365</b>	<b>0.0000</b>	<b>8,409.9546</b>	<b>8,409.9546</b>	<b>0.5368</b>	<b>0.0128</b>	<b>8,427.1859</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	98.46	37.20	93.90	93.40	10.00	99.75	94.08	10.00	99.76	98.16	100.00	28.28	59.74	94.12	98.19	60.49

### 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	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/29/2019	2/7/2019	7	10	
3	Grading	Grading	2/12/2019	2/21/2019	7	10	
4	Paving	Paving	2/22/2019	3/3/2019	7	10	
5	Building Construction	Building Construction	3/4/2019	1/27/2020	7	330	
6	Architectural Coating	Architectural Coating	3/18/2019	2/10/2020	7	330	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.4

Acres of Paving: 0

Residential Indoor: 449,550; Residential Outdoor: 149,850; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment



3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	160.00	24.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

**3.2 Demolition - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.899 4	3,816.899 4	1.0618		3,843.445 1
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>		<b>3,816.899 4</b>	<b>3,816.899 4</b>	<b>1.0618</b>		<b>3,843.445 1</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.2 Demolition - 2019**

**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	0.0982	3.2066	0.5543	8.9500e-003	19.5286	0.0135	19.5421	1.9808	0.0129	1.9937		937.5663	937.5663	0.0447		938.6844
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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.1596</b>	<b>3.2517</b>	<b>0.9697</b>	<b>0.0101</b>	<b>32.8819</b>	<b>0.0143</b>	<b>32.8962</b>	<b>3.3313</b>	<b>0.0136</b>	<b>3.3449</b>		<b>1,049.2297</b>	<b>1,049.2297</b>	<b>0.0479</b>		<b>1,050.4278</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	0.4623	2.0032	23.2798	0.0388		0.0616	0.0616		0.0616	0.0616	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>0.4623</b>	<b>2.0032</b>	<b>23.2798</b>	<b>0.0388</b>	<b>2.7778</b>	<b>0.0616</b>	<b>2.8394</b>	<b>0.4207</b>	<b>0.0616</b>	<b>0.4823</b>	<b>0.0000</b>	<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.2 Demolition - 2019**

**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	0.0982	3.2066	0.5543	8.9500e-003	19.5286	0.0135	19.5421	1.9808	0.0129	1.9937		937.5663	937.5663	0.0447		938.6844
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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.1596</b>	<b>3.2517</b>	<b>0.9697</b>	<b>0.0101</b>	<b>32.8819</b>	<b>0.0143</b>	<b>32.8962</b>	<b>3.3313</b>	<b>0.0136</b>	<b>3.3449</b>		<b>1,049.2297</b>	<b>1,049.2297</b>	<b>0.0479</b>		<b>1,050.4278</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.3 Site Preparation - 2019**

**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	0.3926	12.8210	2.2162	0.0358	78.0820	0.0539	78.1360	7.9199	0.0516	7.9715		3,748.7089	3,748.7089	0.1788		3,753.1796
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	0.0737	0.0542	0.4986	1.3500e-003	16.0239	9.6000e-004	16.0249	1.6206	8.8000e-004	1.6215		133.9961	133.9961	3.8400e-003		134.0921
<b>Total</b>	<b>0.4664</b>	<b>12.8752</b>	<b>2.7147</b>	<b>0.0371</b>	<b>94.1060</b>	<b>0.0549</b>	<b>94.1608</b>	<b>9.5405</b>	<b>0.0525</b>	<b>9.5930</b>		<b>3,882.7050</b>	<b>3,882.7050</b>	<b>0.1827</b>		<b>3,887.2718</b>

**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					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	0.4656	2.0175	20.8690	0.0380		0.0621	0.0621		0.0621	0.0621	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>0.4656</b>	<b>2.0175</b>	<b>20.8690</b>	<b>0.0380</b>	<b>18.2379</b>	<b>0.0621</b>	<b>18.3000</b>	<b>9.9567</b>	<b>0.0621</b>	<b>10.0188</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.3 Site Preparation - 2019**

**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	0.3926	12.8210	2.2162	0.0358	78.0820	0.0539	78.1360	7.9199	0.0516	7.9715		3,748.7089	3,748.7089	0.1788		3,753.1796
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	0.0737	0.0542	0.4986	1.3500e-003	16.0239	9.6000e-004	16.0249	1.6206	8.8000e-004	1.6215		133.9961	133.9961	3.8400e-003		134.0921
<b>Total</b>	<b>0.4664</b>	<b>12.8752</b>	<b>2.7147</b>	<b>0.0371</b>	<b>94.1060</b>	<b>0.0549</b>	<b>94.1608</b>	<b>9.5405</b>	<b>0.0525</b>	<b>9.5930</b>		<b>3,882.7050</b>	<b>3,882.7050</b>	<b>0.1827</b>		<b>3,887.2718</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>		<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.4 Grading - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**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					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	0.3632	1.5737	17.7527	0.0297		0.0484	0.0484		0.0484	0.0484	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>0.3632</b>	<b>1.5737</b>	<b>17.7527</b>	<b>0.0297</b>	<b>6.8069</b>	<b>0.0484</b>	<b>6.8553</b>	<b>3.3950</b>	<b>0.0484</b>	<b>3.4434</b>	<b>0.0000</b>	<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.4 Grading - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>



3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.5 Paving - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2805	1.2154	17.2957	0.0228		0.0374	0.0374		0.0374	0.0374	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.2805</b>	<b>1.2154</b>	<b>17.2957</b>	<b>0.0228</b>		<b>0.0374</b>	<b>0.0374</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.5 Paving - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.6 Building Construction - 2019**

**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	0.1048	2.9472	0.6838	6.6400e-003	14.9837	0.0175	15.0012	1.5235	0.0167	1.5402		694.6876	694.6876	0.0504		695.9471
Worker	0.6555	0.4817	4.4316	0.0120	142.4348	8.5100e-003	142.4433	14.4053	7.8500e-003	14.4132		1,191.0763	1,191.0763	0.0342		1,191.9300
<b>Total</b>	<b>0.7602</b>	<b>3.4289</b>	<b>5.1155</b>	<b>0.0186</b>	<b>157.4185</b>	<b>0.0260</b>	<b>157.4445</b>	<b>15.9289</b>	<b>0.0246</b>	<b>15.9534</b>		<b>1,885.7639</b>	<b>1,885.7639</b>	<b>0.0845</b>		<b>1,887.8772</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0269</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.6 Building Construction - 2019**

**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	0.1048	2.9472	0.6838	6.6400e-003	14.9837	0.0175	15.0012	1.5235	0.0167	1.5402		694.6876	694.6876	0.0504		695.9471
Worker	0.6555	0.4817	4.4316	0.0120	142.4348	8.5100e-003	142.4433	14.4053	7.8500e-003	14.4132		1,191.0763	1,191.0763	0.0342		1,191.9300
<b>Total</b>	<b>0.7602</b>	<b>3.4289</b>	<b>5.1155</b>	<b>0.0186</b>	<b>157.4185</b>	<b>0.0260</b>	<b>157.4445</b>	<b>15.9289</b>	<b>0.0246</b>	<b>15.9534</b>		<b>1,885.7639</b>	<b>1,885.7639</b>	<b>0.0845</b>		<b>1,887.8772</b>

**3.6 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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.6 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	0.0886	2.7382	0.6023	6.5800e-003	14.9837	0.0122	14.9959	1.5235	0.0117	1.5352		688.9671	688.9671	0.0463		690.1251
Worker	0.6003	0.4259	3.9566	0.0116	142.4348	8.3100e-003	142.4431	14.4053	7.6600e-003	14.4130		1,153.5966	1,153.5966	0.0298		1,154.3408
<b>Total</b>	<b>0.6888</b>	<b>3.1641</b>	<b>4.5590</b>	<b>0.0182</b>	<b>157.4185</b>	<b>0.0205</b>	<b>157.4390</b>	<b>15.9289</b>	<b>0.0193</b>	<b>15.9482</b>		<b>1,842.5637</b>	<b>1,842.5637</b>	<b>0.0761</b>		<b>1,844.4659</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.3278	2.2347	17.4603	0.0269		0.0408	0.0408		0.0408	0.0408	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
<b>Total</b>	<b>0.3278</b>	<b>2.2347</b>	<b>17.4603</b>	<b>0.0269</b>		<b>0.0408</b>	<b>0.0408</b>		<b>0.0408</b>	<b>0.0408</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.6 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	0.0886	2.7382	0.6023	6.5800e-003	14.9837	0.0122	14.9959	1.5235	0.0117	1.5352		688.9671	688.9671	0.0463		690.1251
Worker	0.6003	0.4259	3.9566	0.0116	142.4348	8.3100e-003	142.4431	14.4053	7.6600e-003	14.4130		1,153.5966	1,153.5966	0.0298		1,154.3408
<b>Total</b>	<b>0.6888</b>	<b>3.1641</b>	<b>4.5590</b>	<b>0.0182</b>	<b>157.4185</b>	<b>0.0205</b>	<b>157.4390</b>	<b>15.9289</b>	<b>0.0193</b>	<b>15.9482</b>		<b>1,842.5637</b>	<b>1,842.5637</b>	<b>0.0761</b>		<b>1,844.4659</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>8.6853</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.7 Architectural Coating - 2019**

**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	0.1311	0.0963	0.8863	2.3900e-003	28.4870	1.7000e-003	28.4887	2.8811	1.5700e-003	2.8826		238.2153	238.2153	6.8300e-003		238.3860
<b>Total</b>	<b>0.1311</b>	<b>0.0963</b>	<b>0.8863</b>	<b>2.3900e-003</b>	<b>28.4870</b>	<b>1.7000e-003</b>	<b>28.4887</b>	<b>2.8811</b>	<b>1.5700e-003</b>	<b>2.8826</b>		<b>238.2153</b>	<b>238.2153</b>	<b>6.8300e-003</b>		<b>238.3860</b>

**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	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>8.4486</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

**3.7 Architectural Coating - 2019**

**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	0.1311	0.0963	0.8863	2.3900e-003	28.4870	1.7000e-003	28.4887	2.8811	1.5700e-003	2.8826		238.2153	238.2153	6.8300e-003		238.3860
<b>Total</b>	<b>0.1311</b>	<b>0.0963</b>	<b>0.8863</b>	<b>2.3900e-003</b>	<b>28.4870</b>	<b>1.7000e-003</b>	<b>28.4887</b>	<b>2.8811</b>	<b>1.5700e-003</b>	<b>2.8826</b>		<b>238.2153</b>	<b>238.2153</b>	<b>6.8300e-003</b>		<b>238.3860</b>

**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	8.4189					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
<b>Total</b>	<b>8.6610</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>



3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.1201	0.0852	0.7913	2.3200e-003	28.4870	1.6600e-003	28.4886	2.8811	1.5300e-003	2.8826		230.7193	230.7193	5.9500e-003		230.8682
<b>Total</b>	<b>0.1201</b>	<b>0.0852</b>	<b>0.7913</b>	<b>2.3200e-003</b>	<b>28.4870</b>	<b>1.6600e-003</b>	<b>28.4886</b>	<b>2.8811</b>	<b>1.5300e-003</b>	<b>2.8826</b>		<b>230.7193</b>	<b>230.7193</b>	<b>5.9500e-003</b>		<b>230.8682</b>

**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	8.4189					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0297	0.1288	1.8324	2.9700e-003		3.9600e-003	3.9600e-003		3.9600e-003	3.9600e-003	0.0000	281.4481	281.4481	0.0218		281.9928
<b>Total</b>	<b>8.4486</b>	<b>0.1288</b>	<b>1.8324</b>	<b>2.9700e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>		<b>3.9600e-003</b>	<b>3.9600e-003</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.1201	0.0852	0.7913	2.3200e-003	28.4870	1.6600e-003	28.4886	2.8811	1.5300e-003	2.8826		230.7193	230.7193	5.9500e-003		230.8682
<b>Total</b>	<b>0.1201</b>	<b>0.0852</b>	<b>0.7913</b>	<b>2.3200e-003</b>	<b>28.4870</b>	<b>1.6600e-003</b>	<b>28.4886</b>	<b>2.8811</b>	<b>1.5300e-003</b>	<b>2.8826</b>		<b>230.7193</b>	<b>230.7193</b>	<b>5.9500e-003</b>		<b>230.8682</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	2.0746	15.3792	21.9265	0.0754	5.3087	0.0703	5.3789	1.4250	0.0661	1.4911		7,679.4488	7,679.4488	0.4915		7,691.7360
Unmitigated	2.1533	16.0640	23.4487	0.0826	5.8985	0.0766	5.9751	1.5833	0.0721	1.6554		8,409.8124	8,409.8124	0.5149		8,422.6841

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477
Total	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477

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	7.93	3.97	5.55	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987

5.0 Energy Detail

Historical Energy Use: N

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
NaturalGas Unmitigated	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723

**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	5928.98	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
<b>Total</b>		<b>0.0639</b>	<b>0.5464</b>	<b>0.2325</b>	<b>3.4900e-003</b>		<b>0.0442</b>	<b>0.0442</b>		<b>0.0442</b>	<b>0.0442</b>		<b>697.5272</b>	<b>697.5272</b>	<b>0.0134</b>	<b>0.0128</b>	<b>701.6723</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	5.92898	0.0639	0.5464	0.2325	3.4900e-003		0.0442	0.0442		0.0442	0.0442		697.5272	697.5272	0.0134	0.0128	701.6723
<b>Total</b>		<b>0.0639</b>	<b>0.5464</b>	<b>0.2325</b>	<b>3.4900e-003</b>		<b>0.0442</b>	<b>0.0442</b>		<b>0.0442</b>	<b>0.0442</b>		<b>697.5272</b>	<b>697.5272</b>	<b>0.0134</b>	<b>0.0128</b>	<b>701.6723</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Use Low VOC Cleaning Supplies

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	5.7129	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012	0.0000	32.9786	32.9786	0.0320	0.0000	33.7776
Unmitigated	509.2023	9.0866	640.4029	1.1246		87.3309	87.3309		87.3309	87.3309	9,164.4520	2,618.6257	11,783.0776	8.5968	0.6953	12,205.2001

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	0.7612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.7508					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	503.1342	8.8747	622.0478	1.1236		87.2298	87.2298		87.2298	87.2298	9,164.4520	2,585.6471	11,750.0990	8.5649	0.6953	12,171.4225
Landscaping	0.5561	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012		32.9786	32.9786	0.0320		33.7776
<b>Total</b>	<b>509.2023</b>	<b>9.0866</b>	<b>640.4029</b>	<b>1.1246</b>		<b>87.3309</b>	<b>87.3309</b>		<b>87.3309</b>	<b>87.3309</b>	<b>9,164.4520</b>	<b>2,618.6257</b>	<b>11,783.0776</b>	<b>8.5968</b>	<b>0.6953</b>	<b>12,205.2001</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.7612					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.3956					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	0.5561	0.2119	18.3551	9.7000e-004		0.1012	0.1012		0.1012	0.1012		32.9786	32.9786	0.0320		33.7776
<b>Total</b>	<b>5.7129</b>	<b>0.2119</b>	<b>18.3551</b>	<b>9.7000e-004</b>		<b>0.1012</b>	<b>0.1012</b>		<b>0.1012</b>	<b>0.1012</b>	<b>0.0000</b>	<b>32.9786</b>	<b>32.9786</b>	<b>0.0320</b>	<b>0.0000</b>	<b>33.7776</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Winter

## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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### User Defined Equipment

Equipment Type	Number
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## 11.0 Vegetation

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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

**3820 Chile Road (Preferred Site Plan) mitigated**  
**Yolo/Solano AQMD Air District, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	222.00	Dwelling Unit	7.40	222,000.00	635

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates form KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard

Construction Off-road Equipment Mitigation - Tier 4 Mitigation

Table Name	Column Name	Default Value	New Value
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	6.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	10.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	5.84	7.40
tblProjectCharacteristics	CO2IntensityFactor	641.35	290

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.55
tblVehicleTrips	HS_TL	5.00	3.97
tblVehicleTrips	HW_TL	10.00	7.93
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	WD_TR	6.65	5.96

**2.0 Emissions Summary**

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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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					
2019	1.8231	4.9227	4.2709	8.9400e-003	24.7558	0.2614	25.0172	2.5655	0.2462	2.8117	0.0000	798.6202	798.6202	0.1266	0.0000	801.7862
2020	0.2172	0.3373	0.3402	7.2000e-004	2.3036	0.0177	2.3212	0.2335	0.0167	0.2503	0.0000	64.0001	64.0001	9.0400e-003	0.0000	64.2261
<b>Maximum</b>	<b>1.8231</b>	<b>4.9227</b>	<b>4.2709</b>	<b>8.9400e-003</b>	<b>24.7558</b>	<b>0.2614</b>	<b>25.0172</b>	<b>2.5655</b>	<b>0.2462</b>	<b>2.8117</b>	<b>0.0000</b>	<b>798.6202</b>	<b>798.6202</b>	<b>0.1266</b>	<b>0.0000</b>	<b>801.7862</b>

**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					
2019	1.4110	1.0279	4.3424	8.9400e-003	24.7558	0.0127	24.7685	2.5655	0.0125	2.5780	0.0000	798.6196	798.6196	0.1266	0.0000	801.7857
2020	0.1886	0.0765	0.3484	7.2000e-004	2.3036	9.4000e-004	2.3045	0.2335	9.2000e-004	0.2345	0.0000	64.0000	64.0000	9.0400e-003	0.0000	64.2260
<b>Maximum</b>	<b>1.4110</b>	<b>1.0279</b>	<b>4.3424</b>	<b>8.9400e-003</b>	<b>24.7558</b>	<b>0.0127</b>	<b>24.7685</b>	<b>2.5655</b>	<b>0.0125</b>	<b>2.5780</b>	<b>0.0000</b>	<b>798.6196</b>	<b>798.6196</b>	<b>0.1266</b>	<b>0.0000</b>	<b>801.7857</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>21.60</b>	<b>79.00</b>	<b>-1.73</b>	<b>0.00</b>	<b>0.00</b>	<b>95.10</b>	<b>0.97</b>	<b>0.00</b>	<b>94.90</b>	<b>8.15</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	1.4873	0.3182
2	4-1-2019	6-30-2019	1.7405	0.7021
3	7-1-2019	9-30-2019	1.7596	0.7098
4	10-1-2019	12-31-2019	1.7654	0.7156
5	1-1-2020	3-31-2020	0.5559	0.2667
		Highest	1.7654	0.7156

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	21.6845	0.3829	27.1559	0.0462		3.5855	3.5855		3.5855	3.5855	340.8679	98.8646	439.7325	0.3212	0.0259	455.4687
Energy	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	239.7818	239.7818	0.0146	4.6900e-003	241.5452
Mobile	0.4058	2.8917	3.9858	0.0154	1.0392	0.0137	1.0530	0.2798	0.0129	0.2927	0.0000	1,420.4713	1,420.4713	0.0812	0.0000	1,422.5006
Waste						0.0000	0.0000		0.0000	0.0000	20.7294	0.0000	20.7294	1.2251	0.0000	51.3563
Water						0.0000	0.0000		0.0000	0.0000	4.5888	14.4935	19.0823	0.4728	0.0114	34.3071
<b>Total</b>	<b>22.1019</b>	<b>3.3743</b>	<b>31.1842</b>	<b>0.0622</b>	<b>1.0392</b>	<b>3.6073</b>	<b>4.6466</b>	<b>0.2798</b>	<b>3.6065</b>	<b>3.8863</b>	<b>366.1862</b>	<b>1,773.6111</b>	<b>2,139.7973</b>	<b>2.1148</b>	<b>0.0420</b>	<b>2,205.1779</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.9912	0.0191	1.6520	9.0000e-005		9.1100e-003	9.1100e-003		9.1100e-003	9.1100e-003	0.0000	2.6926	2.6926	2.6100e-003	0.0000	2.7578
Energy	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	239.7818	239.7818	0.0146	4.6900e-003	241.5452
Mobile	0.3916	2.7722	3.7073	0.0141	0.9353	0.0126	0.9479	0.2518	0.0118	0.2636	0.0000	1,297.9994	1,297.9994	0.0773	0.0000	1,299.9318
Waste						0.0000	0.0000		0.0000	0.0000	20.7294	0.0000	20.7294	1.2251	0.0000	51.3563
Water						0.0000	0.0000		0.0000	0.0000	3.2122	9.3058	12.5179	0.3309	7.9800e-003	23.1681
<b>Total</b>	<b>1.3944</b>	<b>2.8910</b>	<b>5.4017</b>	<b>0.0148</b>	<b>0.9353</b>	<b>0.0298</b>	<b>0.9651</b>	<b>0.2518</b>	<b>0.0290</b>	<b>0.2808</b>	<b>23.9416</b>	<b>1,549.7796</b>	<b>1,573.7212</b>	<b>1.6505</b>	<b>0.0127</b>	<b>1,618.7591</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>93.69</b>	<b>14.32</b>	<b>82.68</b>	<b>76.23</b>	<b>10.00</b>	<b>99.18</b>	<b>79.23</b>	<b>10.00</b>	<b>99.20</b>	<b>92.78</b>	<b>93.46</b>	<b>12.62</b>	<b>26.45</b>	<b>21.96</b>	<b>69.82</b>	<b>26.59</b>

**3.0 Construction Detail**

**Construction Phase**

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/29/2019	2/7/2019	7	10	
3	Grading	Grading	2/12/2019	2/21/2019	7	10	
4	Paving	Paving	2/22/2019	3/3/2019	7	10	
5	Building Construction	Building Construction	3/4/2019	1/27/2020	7	330	
6	Architectural Coating	Architectural Coating	3/18/2019	2/10/2020	7	330	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 7.4**

**Acres of Paving: 0**

**Residential Indoor: 449,550; Residential Outdoor: 149,850; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**



3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	160.00	24.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

**3.2 Demolition - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0306	0.0000	0.0306	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0387	0.3936	0.2427	4.3000e-004		0.0197	0.0197		0.0184	0.0184	0.0000	38.0890	38.0890	0.0106	0.0000	38.3539
<b>Total</b>	<b>0.0387</b>	<b>0.3936</b>	<b>0.2427</b>	<b>4.3000e-004</b>	<b>0.0306</b>	<b>0.0197</b>	<b>0.0503</b>	<b>4.6300e-003</b>	<b>0.0184</b>	<b>0.0230</b>	<b>0.0000</b>	<b>38.0890</b>	<b>38.0890</b>	<b>0.0106</b>	<b>0.0000</b>	<b>38.3539</b>

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**3.2 Demolition - 2019**

**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	1.0600e-003	0.0352	5.6600e-003	1.0000e-004	0.1827	1.5000e-004	0.1828	0.0186	1.4000e-004	0.0187	0.0000	9.4781	9.4781	4.2000e-004	0.0000	9.4885
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	6.3000e-004	4.4000e-004	4.4400e-003	1.0000e-005	0.1249	1.0000e-005	0.1249	0.0127	1.0000e-005	0.0127	0.0000	1.1429	1.1429	3.0000e-005	0.0000	1.1437
<b>Total</b>	<b>1.6900e-003</b>	<b>0.0356</b>	<b>0.0101</b>	<b>1.1000e-004</b>	<b>0.3076</b>	<b>1.6000e-004</b>	<b>0.3077</b>	<b>0.0312</b>	<b>1.5000e-004</b>	<b>0.0314</b>	<b>0.0000</b>	<b>10.6210</b>	<b>10.6210</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>10.6322</b>

**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					0.0306	0.0000	0.0306	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.0900e-003	0.0220	0.2561	4.3000e-004		6.8000e-004	6.8000e-004		6.8000e-004	6.8000e-004	0.0000	38.0889	38.0889	0.0106	0.0000	38.3538
<b>Total</b>	<b>5.0900e-003</b>	<b>0.0220</b>	<b>0.2561</b>	<b>4.3000e-004</b>	<b>0.0306</b>	<b>6.8000e-004</b>	<b>0.0312</b>	<b>4.6300e-003</b>	<b>6.8000e-004</b>	<b>5.3100e-003</b>	<b>0.0000</b>	<b>38.0889</b>	<b>38.0889</b>	<b>0.0106</b>	<b>0.0000</b>	<b>38.3538</b>

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**3.2 Demolition - 2019**

**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	1.0600e-003	0.0352	5.6600e-003	1.0000e-004	0.1827	1.5000e-004	0.1828	0.0186	1.4000e-004	0.0187	0.0000	9.4781	9.4781	4.2000e-004	0.0000	9.4885
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	6.3000e-004	4.4000e-004	4.4400e-003	1.0000e-005	0.1249	1.0000e-005	0.1249	0.0127	1.0000e-005	0.0127	0.0000	1.1429	1.1429	3.0000e-005	0.0000	1.1437
<b>Total</b>	<b>1.6900e-003</b>	<b>0.0356</b>	<b>0.0101</b>	<b>1.1000e-004</b>	<b>0.3076</b>	<b>1.6000e-004</b>	<b>0.3077</b>	<b>0.0312</b>	<b>1.5000e-004</b>	<b>0.0314</b>	<b>0.0000</b>	<b>10.6210</b>	<b>10.6210</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>10.6322</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0912</b>	<b>0.0120</b>	<b>0.1031</b>	<b>0.0498</b>	<b>0.0110</b>	<b>0.0608</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

**3.3 Site Preparation - 2019**

**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	1.9200e-003	0.0639	0.0103	1.8000e-004	0.3320	2.7000e-004	0.3323	0.0338	2.5000e-004	0.0340	0.0000	17.2257	17.2257	7.6000e-004	0.0000	17.2447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.4000e-004	2.4200e-003	1.0000e-005	0.0681	0.0000	0.0681	6.9000e-003	0.0000	6.9100e-003	0.0000	0.6234	0.6234	2.0000e-005	0.0000	0.6238
<b>Total</b>	<b>2.2600e-003</b>	<b>0.0641</b>	<b>0.0127</b>	<b>1.9000e-004</b>	<b>0.4002</b>	<b>2.7000e-004</b>	<b>0.4004</b>	<b>0.0407</b>	<b>2.5000e-004</b>	<b>0.0409</b>	<b>0.0000</b>	<b>17.8491</b>	<b>17.8491</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>17.8685</b>

**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					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3300e-003	0.0101	0.1043	1.9000e-004		3.1000e-004	3.1000e-004		3.1000e-004	3.1000e-004	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>2.3300e-003</b>	<b>0.0101</b>	<b>0.1043</b>	<b>1.9000e-004</b>	<b>0.0912</b>	<b>3.1000e-004</b>	<b>0.0915</b>	<b>0.0498</b>	<b>3.1000e-004</b>	<b>0.0501</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

**3.3 Site Preparation - 2019**

**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	1.9200e-003	0.0639	0.0103	1.8000e-004	0.3320	2.7000e-004	0.3323	0.0338	2.5000e-004	0.0340	0.0000	17.2257	17.2257	7.6000e-004	0.0000	17.2447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.4000e-004	2.4200e-003	1.0000e-005	0.0681	0.0000	0.0681	6.9000e-003	0.0000	6.9100e-003	0.0000	0.6234	0.6234	2.0000e-005	0.0000	0.6238
<b>Total</b>	<b>2.2600e-003</b>	<b>0.0641</b>	<b>0.0127</b>	<b>1.9000e-004</b>	<b>0.4002</b>	<b>2.7000e-004</b>	<b>0.4004</b>	<b>0.0407</b>	<b>2.5000e-004</b>	<b>0.0409</b>	<b>0.0000</b>	<b>17.8491</b>	<b>17.8491</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>17.8685</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0340	0.0000	0.0340	0.0170	0.0000	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.1417	0.0815	1.5000e-004		6.9900e-003	6.9900e-003		6.4300e-003	6.4300e-003	0.0000	13.3211	13.3211	4.2100e-003	0.0000	13.4265
<b>Total</b>	<b>0.0129</b>	<b>0.1417</b>	<b>0.0815</b>	<b>1.5000e-004</b>	<b>0.0340</b>	<b>6.9900e-003</b>	<b>0.0410</b>	<b>0.0170</b>	<b>6.4300e-003</b>	<b>0.0234</b>	<b>0.0000</b>	<b>13.3211</b>	<b>13.3211</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>13.4265</b>

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**3.4 Grading - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	0.0568	0.0000	0.0568	5.7500e-003	0.0000	5.7600e-003	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>0.0568</b>	<b>0.0000</b>	<b>0.0568</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**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					0.0340	0.0000	0.0340	0.0170	0.0000	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8200e-003	7.8700e-003	0.0888	1.5000e-004		2.4000e-004	2.4000e-004		2.4000e-004	2.4000e-004	0.0000	13.3211	13.3211	4.2100e-003	0.0000	13.4265
<b>Total</b>	<b>1.8200e-003</b>	<b>7.8700e-003</b>	<b>0.0888</b>	<b>1.5000e-004</b>	<b>0.0340</b>	<b>2.4000e-004</b>	<b>0.0343</b>	<b>0.0170</b>	<b>2.4000e-004</b>	<b>0.0172</b>	<b>0.0000</b>	<b>13.3211</b>	<b>13.3211</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>13.4265</b>

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**3.4 Grading - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	0.0568	0.0000	0.0568	5.7500e-003	0.0000	5.7600e-003	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>0.0568</b>	<b>0.0000</b>	<b>0.0568</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2700e-003	0.0762	0.0733	1.1000e-004		4.1200e-003	4.1200e-003		3.7900e-003	3.7900e-003	0.0000	10.2376	10.2376	3.2400e-003	0.0000	10.3186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.2700e-003</b>	<b>0.0762</b>	<b>0.0733</b>	<b>1.1000e-004</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>10.2376</b>	<b>10.2376</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.3186</b>



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**3.5 Paving - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	0.0568	0.0000	0.0568	5.7500e-003	0.0000	5.7600e-003	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>0.0568</b>	<b>0.0000</b>	<b>0.0568</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.4000e-003	6.0800e-003	0.0865	1.1000e-004		1.9000e-004	1.9000e-004		1.9000e-004	1.9000e-004	0.0000	10.2376	10.2376	3.2400e-003	0.0000	10.3186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>1.4000e-003</b>	<b>6.0800e-003</b>	<b>0.0865</b>	<b>1.1000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>		<b>1.9000e-004</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>10.2376</b>	<b>10.2376</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.3186</b>

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**3.5 Paving - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	0.0568	0.0000	0.0568	5.7500e-003	0.0000	5.7600e-003	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>0.0568</b>	<b>0.0000</b>	<b>0.0568</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3577	3.1934	2.6003	4.0800e-003		0.1954	0.1954		0.1837	0.1837	0.0000	356.1829	356.1829	0.0868	0.0000	358.3521
<b>Total</b>	<b>0.3577</b>	<b>3.1934</b>	<b>2.6003</b>	<b>4.0800e-003</b>		<b>0.1954</b>	<b>0.1954</b>		<b>0.1837</b>	<b>0.1837</b>	<b>0.0000</b>	<b>356.1829</b>	<b>356.1829</b>	<b>0.0868</b>	<b>0.0000</b>	<b>358.3521</b>

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**3.6 Building Construction - 2019**

**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	0.0153	0.4475	0.0933	1.0300e-003	1.9308	2.6100e-003	1.9334	0.1969	2.4900e-003	0.1994	0.0000	97.3739	97.3739	6.4600e-003	0.0000	97.5353
Worker	0.0924	0.0647	0.6522	1.8600e-003	18.3479	1.2900e-003	18.3492	1.8592	1.1900e-003	1.8604	0.0000	167.8994	167.8994	4.7000e-003	0.0000	168.0168
<b>Total</b>	<b>0.1077</b>	<b>0.5122</b>	<b>0.7455</b>	<b>2.8900e-003</b>	<b>20.2787</b>	<b>3.9000e-003</b>	<b>20.2826</b>	<b>2.0560</b>	<b>3.6800e-003</b>	<b>2.0597</b>	<b>0.0000</b>	<b>265.2733</b>	<b>265.2733</b>	<b>0.0112</b>	<b>0.0000</b>	<b>265.5522</b>

**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	0.0497	0.3386	2.6452	4.0800e-003		6.1800e-003	6.1800e-003		6.1800e-003	6.1800e-003	0.0000	356.1824	356.1824	0.0868	0.0000	358.3517
<b>Total</b>	<b>0.0497</b>	<b>0.3386</b>	<b>2.6452</b>	<b>4.0800e-003</b>		<b>6.1800e-003</b>	<b>6.1800e-003</b>		<b>6.1800e-003</b>	<b>6.1800e-003</b>	<b>0.0000</b>	<b>356.1824</b>	<b>356.1824</b>	<b>0.0868</b>	<b>0.0000</b>	<b>358.3517</b>

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**3.6 Building Construction - 2019**

**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	0.0153	0.4475	0.0933	1.0300e-003	1.9308	2.6100e-003	1.9334	0.1969	2.4900e-003	0.1994	0.0000	97.3739	97.3739	6.4600e-003	0.0000	97.5353
Worker	0.0924	0.0647	0.6522	1.8600e-003	18.3479	1.2900e-003	18.3492	1.8592	1.1900e-003	1.8604	0.0000	167.8994	167.8994	4.7000e-003	0.0000	168.0168
<b>Total</b>	<b>0.1077</b>	<b>0.5122</b>	<b>0.7455</b>	<b>2.8900e-003</b>	<b>20.2787</b>	<b>3.9000e-003</b>	<b>20.2826</b>	<b>2.0560</b>	<b>3.6800e-003</b>	<b>2.0597</b>	<b>0.0000</b>	<b>265.2733</b>	<b>265.2733</b>	<b>0.0112</b>	<b>0.0000</b>	<b>265.5522</b>

**3.6 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	0.0286	0.2590	0.2275	3.6000e-004		0.0151	0.0151		0.0142	0.0142	0.0000	31.2674	31.2674	7.6300e-003	0.0000	31.4581
<b>Total</b>	<b>0.0286</b>	<b>0.2590</b>	<b>0.2275</b>	<b>3.6000e-004</b>		<b>0.0151</b>	<b>0.0151</b>		<b>0.0142</b>	<b>0.0142</b>	<b>0.0000</b>	<b>31.2674</b>	<b>31.2674</b>	<b>7.6300e-003</b>	<b>0.0000</b>	<b>31.4581</b>

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**3.6 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	1.1500e-003	0.0371	7.3100e-003	9.0000e-005	0.1721	1.6000e-004	0.1722	0.0175	1.5000e-004	0.0177	0.0000	8.6068	8.6068	5.3000e-004	0.0000	8.6200
Worker	7.5500e-003	5.1000e-003	0.0521	1.6000e-004	1.6350	1.1000e-004	1.6351	0.1657	1.0000e-004	0.1658	0.0000	14.4908	14.4908	3.7000e-004	0.0000	14.5000
<b>Total</b>	<b>8.7000e-003</b>	<b>0.0422</b>	<b>0.0594</b>	<b>2.5000e-004</b>	<b>1.8070</b>	<b>2.7000e-004</b>	<b>1.8073</b>	<b>0.1832</b>	<b>2.5000e-004</b>	<b>0.1835</b>	<b>0.0000</b>	<b>23.0976</b>	<b>23.0976</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>23.1200</b>

**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	4.4300e-003	0.0302	0.2357	3.6000e-004		5.5000e-004	5.5000e-004		5.5000e-004	5.5000e-004	0.0000	31.2673	31.2673	7.6300e-003	0.0000	31.4580
<b>Total</b>	<b>4.4300e-003</b>	<b>0.0302</b>	<b>0.2357</b>	<b>3.6000e-004</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>		<b>5.5000e-004</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>31.2673</b>	<b>31.2673</b>	<b>7.6300e-003</b>	<b>0.0000</b>	<b>31.4580</b>

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**3.6 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	1.1500e-003	0.0371	7.3100e-003	9.0000e-005	0.1721	1.6000e-004	0.1722	0.0175	1.5000e-004	0.0177	0.0000	8.6068	8.6068	5.3000e-004	0.0000	8.6200
Worker	7.5500e-003	5.1000e-003	0.0521	1.6000e-004	1.6350	1.1000e-004	1.6351	0.1657	1.0000e-004	0.1658	0.0000	14.4908	14.4908	3.7000e-004	0.0000	14.5000
<b>Total</b>	<b>8.7000e-003</b>	<b>0.0422</b>	<b>0.0594</b>	<b>2.5000e-004</b>	<b>1.8070</b>	<b>2.7000e-004</b>	<b>1.8073</b>	<b>0.1832</b>	<b>2.5000e-004</b>	<b>0.1835</b>	<b>0.0000</b>	<b>23.0976</b>	<b>23.0976</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>23.1200</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.2165					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0385	0.2652	0.2661	4.3000e-004		0.0186	0.0186		0.0186	0.0186	0.0000	36.8945	36.8945	3.1200e-003	0.0000	36.9724
<b>Total</b>	<b>1.2550</b>	<b>0.2652</b>	<b>0.2661</b>	<b>4.3000e-004</b>		<b>0.0186</b>	<b>0.0186</b>		<b>0.0186</b>	<b>0.0186</b>	<b>0.0000</b>	<b>36.8945</b>	<b>36.8945</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>36.9724</b>

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**3.7 Architectural Coating - 2019**

**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	0.0176	0.0123	0.1244	3.5000e-004	3.5000	2.5000e-004	3.5003	0.3547	2.3000e-004	0.3549	0.0000	32.0283	32.0283	9.0000e-004	0.0000	32.0507
<b>Total</b>	<b>0.0176</b>	<b>0.0123</b>	<b>0.1244</b>	<b>3.5000e-004</b>	<b>3.5000</b>	<b>2.5000e-004</b>	<b>3.5003</b>	<b>0.3547</b>	<b>2.3000e-004</b>	<b>0.3549</b>	<b>0.0000</b>	<b>32.0283</b>	<b>32.0283</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>32.0507</b>

**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	1.2165					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2900e-003	0.0186	0.2648	4.3000e-004		5.7000e-004	5.7000e-004		5.7000e-004	5.7000e-004	0.0000	36.8945	36.8945	3.1200e-003	0.0000	36.9724
<b>Total</b>	<b>1.2208</b>	<b>0.0186</b>	<b>0.2648</b>	<b>4.3000e-004</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>		<b>5.7000e-004</b>	<b>5.7000e-004</b>	<b>0.0000</b>	<b>36.8945</b>	<b>36.8945</b>	<b>3.1200e-003</b>	<b>0.0000</b>	<b>36.9724</b>

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**3.7 Architectural Coating - 2019**

**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	0.0176	0.0123	0.1244	3.5000e-004	3.5000	2.5000e-004	3.5003	0.3547	2.3000e-004	0.3549	0.0000	32.0283	32.0283	9.0000e-004	0.0000	32.0507
<b>Total</b>	<b>0.0176</b>	<b>0.0123</b>	<b>0.1244</b>	<b>3.5000e-004</b>	<b>3.5000</b>	<b>2.5000e-004</b>	<b>3.5003</b>	<b>0.3547</b>	<b>2.3000e-004</b>	<b>0.3549</b>	<b>0.0000</b>	<b>32.0283</b>	<b>32.0283</b>	<b>9.0000e-004</b>	<b>0.0000</b>	<b>32.0507</b>

**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	0.1726					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.9600e-003	0.0345	0.0375	6.0000e-005		2.2700e-003	2.2700e-003		2.2700e-003	2.2700e-003	0.0000	5.2342	5.2342	4.1000e-004	0.0000	5.2443
<b>Total</b>	<b>0.1776</b>	<b>0.0345</b>	<b>0.0375</b>	<b>6.0000e-005</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>		<b>2.2700e-003</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>5.2342</b>	<b>5.2342</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>5.2443</b>



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**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	2.2900e-003	1.5500e-003	0.0158	5.0000e-005	0.4965	3.0000e-005	0.4966	0.0503	3.0000e-005	0.0504	0.0000	4.4009	4.4009	1.1000e-004	0.0000	4.4037
<b>Total</b>	<b>2.2900e-003</b>	<b>1.5500e-003</b>	<b>0.0158</b>	<b>5.0000e-005</b>	<b>0.4965</b>	<b>3.0000e-005</b>	<b>0.4966</b>	<b>0.0503</b>	<b>3.0000e-005</b>	<b>0.0504</b>	<b>0.0000</b>	<b>4.4009</b>	<b>4.4009</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>4.4037</b>

**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	0.1726					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1000e-004	2.6400e-003	0.0376	6.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	5.2342	5.2342	4.1000e-004	0.0000	5.2443
<b>Total</b>	<b>0.1732</b>	<b>2.6400e-003</b>	<b>0.0376</b>	<b>6.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>		<b>8.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>5.2342</b>	<b>5.2342</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>5.2443</b>

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**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	2.2900e-003	1.5500e-003	0.0158	5.0000e-005	0.4965	3.0000e-005	0.4966	0.0503	3.0000e-005	0.0504	0.0000	4.4009	4.4009	1.1000e-004	0.0000	4.4037
<b>Total</b>	<b>2.2900e-003</b>	<b>1.5500e-003</b>	<b>0.0158</b>	<b>5.0000e-005</b>	<b>0.4965</b>	<b>3.0000e-005</b>	<b>0.4966</b>	<b>0.0503</b>	<b>3.0000e-005</b>	<b>0.0504</b>	<b>0.0000</b>	<b>4.4009</b>	<b>4.4009</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>4.4037</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.3916	2.7722	3.7073	0.0141	0.9353	0.0126	0.9479	0.2518	0.0118	0.2636	0.0000	1,297.9994	1,297.9994	0.0773	0.0000	1,299.9318
Unmitigated	0.4058	2.8917	3.9858	0.0154	1.0392	0.0137	1.0530	0.2798	0.0129	0.2927	0.0000	1,420.4713	1,420.4713	0.0812	0.0000	1,422.5006

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477
Total	1,323.12	1,323.12	1,323.12	2,753,863	2,478,477

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	7.93	3.97	5.55	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987

5.0 Energy Detail

Historical Energy Use: N

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	124.2983	124.2983	0.0124	2.5700e-003	125.3754
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	124.2983	124.2983	0.0124	2.5700e-003	125.3754
NaturalGas Mitigated	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	115.4835	115.4835	2.2100e-003	2.1200e-003	116.1697
NaturalGas Unmitigated	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	115.4835	115.4835	2.2100e-003	2.1200e-003	116.1697

**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	2.16408e+006	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	115.4835	115.4835	2.2100e-003	2.1200e-003	116.1697
<b>Total</b>		<b>0.0117</b>	<b>0.0997</b>	<b>0.0424</b>	<b>6.4000e-004</b>		<b>8.0600e-003</b>	<b>8.0600e-003</b>		<b>8.0600e-003</b>	<b>8.0600e-003</b>	<b>0.0000</b>	<b>115.4835</b>	<b>115.4835</b>	<b>2.2100e-003</b>	<b>2.1200e-003</b>	<b>116.1697</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	2.16408e+006	0.0117	0.0997	0.0424	6.4000e-004		8.0600e-003	8.0600e-003		8.0600e-003	8.0600e-003	0.0000	115.4835	115.4835	2.2100e-003	2.1200e-003	116.1697
<b>Total</b>		<b>0.0117</b>	<b>0.0997</b>	<b>0.0424</b>	<b>6.4000e-004</b>		<b>8.0600e-003</b>	<b>8.0600e-003</b>		<b>8.0600e-003</b>	<b>8.0600e-003</b>	<b>0.0000</b>	<b>115.4835</b>	<b>115.4835</b>	<b>2.2100e-003</b>	<b>2.1200e-003</b>	<b>116.1697</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	944934	124.2983	0.0124	2.5700e-003	125.3754
<b>Total</b>		<b>124.2983</b>	<b>0.0124</b>	<b>2.5700e-003</b>	<b>125.3754</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	944934	124.2983	0.0124	2.5700e-003	125.3754
<b>Total</b>		<b>124.2983</b>	<b>0.0124</b>	<b>2.5700e-003</b>	<b>125.3754</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

No Hearths Installed

Use Low VOC Cleaning Supplies

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.9912	0.0191	1.6520	9.0000e-005		9.1100e-003	9.1100e-003		9.1100e-003	9.1100e-003	0.0000	2.6926	2.6926	2.6100e-003	0.0000	2.7578
Unmitigated	21.6845	0.3829	27.1559	0.0462		3.5855	3.5855		3.5855	3.5855	340.8679	98.8646	439.7325	0.3212	0.0259	455.4687

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	0.1389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8670					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	20.6285	0.3639	25.5040	0.0461		3.5764	3.5764		3.5764	3.5764	340.8679	96.1720	437.0399	0.3186	0.0259	452.7109
Landscaping	0.0501	0.0191	1.6520	9.0000e-005		9.1100e-003	9.1100e-003		9.1100e-003	9.1100e-003	0.0000	2.6926	2.6926	2.6100e-003	0.0000	2.7578
<b>Total</b>	<b>21.6845</b>	<b>0.3829</b>	<b>27.1559</b>	<b>0.0462</b>		<b>3.5855</b>	<b>3.5855</b>		<b>3.5855</b>	<b>3.5855</b>	<b>340.8679</b>	<b>98.8646</b>	<b>439.7325</b>	<b>0.3212</b>	<b>0.0259</b>	<b>455.4687</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	0.1389					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.8022					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	0.0501	0.0191	1.6520	9.0000e-005		9.1100e-003	9.1100e-003		9.1100e-003	9.1100e-003	0.0000	2.6926	2.6926	2.6100e-003	0.0000	2.7578
<b>Total</b>	<b>0.9912</b>	<b>0.0191</b>	<b>1.6520</b>	<b>9.0000e-005</b>		<b>9.1100e-003</b>	<b>9.1100e-003</b>		<b>9.1100e-003</b>	<b>9.1100e-003</b>	<b>0.0000</b>	<b>2.6926</b>	<b>2.6926</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>2.7578</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy



3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.5179	0.3309	7.9800e-003	23.1681
Unmitigated	19.0823	0.4728	0.0114	34.3071

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	14.4642 / 9.11873	19.0823	0.4728	0.0114	34.3071
<b>Total</b>		<b>19.0823</b>	<b>0.4728</b>	<b>0.0114</b>	<b>34.3071</b>

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano 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	10.1249 / 4.55937	12.5179	0.3309	7.9800e-003	23.1681
<b>Total</b>		<b>12.5179</b>	<b>0.3309</b>	<b>7.9800e-003</b>	<b>23.1681</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	20.7294	1.2251	0.0000	51.3563
Unmitigated	20.7294	1.2251	0.0000	51.3563

3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

**8.2 Waste by Land Use**

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	102.12	20.7294	1.2251	0.0000	51.3563
<b>Total</b>		<b>20.7294</b>	<b>1.2251</b>	<b>0.0000</b>	<b>51.3563</b>

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	102.12	20.7294	1.2251	0.0000	51.3563
<b>Total</b>		<b>20.7294</b>	<b>1.2251</b>	<b>0.0000</b>	<b>51.3563</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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3820 Chile Road (Preferred Site Plan) mitigated - Yolo/Solano AQMD Air District, Annual

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**3820 Chile Road (Preferred Site Plan) mitigated**  
**Yolo/Solano 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	0.03	0.89	0.00	0.00	0.96	0.96	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	0.66	0.77	-0.01	0.00	0.95	0.95	0.00	0.00	0.00	0.00	0.00	0.00
Demolition	0.83	0.87	-0.05	0.00	0.96	0.96	0.00	0.00	0.00	0.00	0.00	0.00
Grading	0.84	0.94	-0.09	0.00	0.97	0.96	0.00	0.00	0.00	0.00	0.00	0.00
Paving	0.78	0.92	-0.17	0.00	0.95	0.95	0.00	0.00	0.00	0.00	0.00	0.00
Site Preparation	0.81	0.75	0.05	0.00	0.95	0.95	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	Tier 4 Final	1	1	No Change	0.00
Concrete/Industrial Saws	Diesel	Tier 4 Final	1	1	No Change	0.00
Cranes	Diesel	Tier 4 Final	1	1	No Change	0.00
Excavators	Diesel	Tier 4 Final	4	4	No Change	0.00
Forklifts	Diesel	Tier 4 Final	3	3	No Change	0.00
Generator Sets	Diesel	Tier 4 Final	1	1	No Change	0.00
Graders	Diesel	Tier 4 Final	1	1	No Change	0.00
Pavers	Diesel	Tier 4 Final	2	2	No Change	0.00
Paving Equipment	Diesel	Tier 4 Final	2	2	No Change	0.00
Rollers	Diesel	Tier 4 Final	2	2	No Change	0.00
Rubber Tired Dozers	Diesel	Tier 4 Final	6	6	No Change	0.00
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	10	10	No Change	0.00
Welders	Diesel	Tier 4 Final	1	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	4.34700E-002	2.99730E-001	3.03620E-001	4.90000E-004	2.08800E-002	2.08800E-002	0.00000E+000	4.21287E+001	4.21287E+001	3.52000E-003	0.00000E+000	4.22167E+001
Concrete/Industrial Saws	5.08000E-003	3.94700E-002	4.07200E-002	7.00000E-005	2.52000E-003	2.52000E-003	0.00000E+000	5.91423E+000	5.91423E+000	4.20000E-004	0.00000E+000	5.92464E+000
Cranes	7.21700E-002	8.59990E-001	3.28960E-001	8.30000E-004	3.63800E-002	3.34700E-002	0.00000E+000	7.46811E+001	7.46811E+001	2.36700E-002	0.00000E+000	7.52729E+001
Excavators	9.91000E-003	1.01910E-001	1.24000E-001	2.00000E-004	4.91000E-003	4.52000E-003	0.00000E+000	1.76200E+001	1.76200E+001	5.57000E-003	0.00000E+000	1.77594E+001
Forklifts	7.85300E-002	7.01720E-001	5.90560E-001	7.60000E-004	5.42000E-002	4.98700E-002	0.00000E+000	6.78305E+001	6.78305E+001	2.15000E-002	0.00000E+000	6.83680E+001
Generator Sets	7.26500E-002	6.19310E-001	6.14070E-001	1.09000E-003	3.68600E-002	3.68600E-002	0.00000E+000	9.32592E+001	9.32592E+001	5.85000E-003	0.00000E+000	9.34056E+001
Graders	2.43000E-003	3.29000E-002	9.19000E-003	3.00000E-005	1.06000E-003	9.70000E-004	0.00000E+000	2.98295E+000	2.98295E+000	9.40000E-004	0.00000E+000	3.00654E+000
Pavers	2.88000E-003	3.12500E-002	2.90200E-002	5.00000E-005	1.53000E-003	1.41000E-003	0.00000E+000	4.22293E+000	4.22293E+000	1.34000E-003	0.00000E+000	4.25633E+000
Paving Equipment	2.13000E-003	2.25700E-002	2.52300E-002	4.00000E-005	1.12000E-003	1.03000E-003	0.00000E+000	3.65885E+000	3.65885E+000	1.16000E-003	0.00000E+000	3.68779E+000
Rollers	2.27000E-003	2.24100E-002	1.90700E-002	3.00000E-005	1.47000E-003	1.36000E-003	0.00000E+000	2.35581E+000	2.35581E+000	7.50000E-004	0.00000E+000	2.37445E+000
Rubber Tired Dozers	4.76500E-002	5.07130E-001	1.79930E-001	3.60000E-004	2.47300E-002	2.27500E-002	0.00000E+000	3.22123E+001	3.22123E+001	1.01900E-002	0.00000E+000	3.24671E+001
Tractors/Loaders/Backhoes	1.08160E-001	1.08595E+000	1.07713E+000	1.45000E-003	7.22300E-002	6.64600E-002	0.00000E+000	1.30388E+002	1.30388E+002	4.13200E-002	0.00000E+000	1.31421E+002
Welders	6.29700E-002	2.67290E-001	2.97640E-001	4.20000E-004	1.62700E-002	1.62700E-002	0.00000E+000	3.10564E+001	3.10564E+001	5.14000E-003	0.00000E+000	3.11850E+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	4.90000E-003	2.12500E-002	3.02350E-001	4.90000E-004	6.50000E-004	6.50000E-004	0.00000E+000	4.21286E+001	4.21286E+001	3.52000E-003	0.00000E+000	4.22167E+001
Concrete/Industrial Saws	6.90000E-004	2.98000E-003	4.24400E-002	7.00000E-005	9.00000E-005	9.00000E-005	0.00000E+000	5.91422E+000	5.91422E+000	4.20000E-004	0.00000E+000	5.92463E+000
Cranes	1.02300E-002	4.43500E-002	3.75270E-001	8.30000E-004	1.36000E-003	1.36000E-003	0.00000E+000	7.46810E+001	7.46810E+001	2.36700E-002	0.00000E+000	7.52728E+001
Excavators	2.41000E-003	1.04600E-002	1.48880E-001	2.00000E-004	3.20000E-004	3.20000E-004	0.00000E+000	1.76200E+001	1.76200E+001	5.57000E-003	0.00000E+000	1.77594E+001
Forklifts	9.32000E-003	4.04000E-002	5.74980E-001	7.60000E-004	1.24000E-003	1.24000E-003	0.00000E+000	6.78305E+001	6.78305E+001	2.15000E-002	0.00000E+000	6.83679E+001
Generator Sets	1.08500E-002	4.70300E-002	6.69300E-001	1.09000E-003	1.45000E-003	1.45000E-003	0.00000E+000	9.32591E+001	9.32591E+001	5.85000E-003	0.00000E+000	9.34055E+001
Graders	4.10000E-004	1.76000E-003	1.48700E-002	3.00000E-005	5.00000E-005	5.00000E-005	0.00000E+000	2.98294E+000	2.98294E+000	9.40000E-004	0.00000E+000	3.00654E+000
Pavers	5.80000E-004	2.50000E-003	3.56300E-002	5.00000E-005	8.00000E-005	8.00000E-005	0.00000E+000	4.22292E+000	4.22292E+000	1.34000E-003	0.00000E+000	4.25633E+000
Paving Equipment	5.00000E-004	2.18000E-003	3.10100E-002	4.00000E-005	7.00000E-005	7.00000E-005	0.00000E+000	3.65885E+000	3.65885E+000	1.16000E-003	0.00000E+000	3.68779E+000
Rollers	3.20000E-004	1.39000E-003	1.98400E-002	3.00000E-005	4.00000E-005	4.00000E-005	0.00000E+000	2.35581E+000	2.35581E+000	7.50000E-004	0.00000E+000	2.37444E+000
Rubber Tired Dozers	4.39000E-003	1.90300E-002	1.61010E-001	3.60000E-004	5.90000E-004	5.90000E-004	0.00000E+000	3.22123E+001	3.22123E+001	1.01900E-002	0.00000E+000	3.24671E+001
Tractors/Loaders/Balckhoes	1.77800E-002	7.70400E-002	1.09638E+000	1.45000E-003	2.37000E-003	2.37000E-003	0.00000E+000	1.30388E+002	1.30388E+002	4.13200E-002	0.00000E+000	1.31421E+002
Welders	7.23000E-003	1.65660E-001	2.46980E-001	4.20000E-004	4.80000E-004	4.80000E-004	0.00000E+000	3.10564E+001	3.10564E+001	5.14000E-003	0.00000E+000	3.11849E+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	8.87279E-001	9.29103E-001	4.18286E-003	0.00000E+000	9.68870E-001	9.68870E-001	0.00000E+000	1.18684E-006	1.18684E-006	0.00000E+000	0.00000E+000	1.18436E-006
Concrete/Industrial Saws	8.64173E-001	9.24500E-001	-4.22397E-002	0.00000E+000	9.64286E-001	9.64286E-001	0.00000E+000	1.69084E-006	1.69084E-006	0.00000E+000	0.00000E+000	1.68787E-006
Cranes	8.58251E-001	9.48430E-001	-1.40777E-001	0.00000E+000	9.62617E-001	9.59367E-001	0.00000E+000	1.20512E-006	1.20512E-006	0.00000E+000	0.00000E+000	1.19565E-006
Excavators	7.56811E-001	8.97360E-001	-2.00645E-001	0.00000E+000	9.34827E-001	9.29204E-001	0.00000E+000	1.13507E-006	1.13507E-006	0.00000E+000	0.00000E+000	1.12616E-006
Forklifts	8.81319E-001	9.42427E-001	2.63817E-002	0.00000E+000	9.77122E-001	9.75135E-001	0.00000E+000	1.17941E-006	1.17941E-006	0.00000E+000	0.00000E+000	1.17014E-006
Generator Sets	8.50654E-001	9.24061E-001	-8.99409E-002	0.00000E+000	9.60662E-001	9.60662E-001	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17766E-006
Graders	8.31276E-001	9.46505E-001	-6.18063E-001	0.00000E+000	9.52830E-001	9.48454E-001	0.00000E+000	3.35239E-006	3.35239E-006	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	7.98611E-001	9.20000E-001	-2.27774E-001	0.00000E+000	9.47712E-001	9.43262E-001	0.00000E+000	2.36802E-006	2.36802E-006	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	7.65258E-001	9.03412E-001	-2.29092E-001	0.00000E+000	9.37500E-001	9.32039E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000
Rollers	8.59031E-001	9.37974E-001	-4.03776E-002	0.00000E+000	9.72789E-001	9.70588E-001	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	4.21150E-006
Rubber Tired Dozers	9.07870E-001	9.62475E-001	1.05152E-001	0.00000E+000	9.76142E-001	9.74066E-001	0.00000E+000	1.24176E-006	1.24176E-006	0.00000E+000	0.00000E+000	1.23202E-006
Tractors/Loaders/Balckhoes	8.35614E-001	9.29058E-001	-1.78716E-002	0.00000E+000	9.67188E-001	9.64339E-001	0.00000E+000	1.15041E-006	1.15041E-006	0.00000E+000	0.00000E+000	1.14137E-006
Welders	8.85183E-001	3.80224E-001	1.70206E-001	0.00000E+000	9.70498E-001	9.70498E-001	0.00000E+000	9.65984E-007	9.65984E-007	0.00000E+000	0.00000E+000	9.62002E-007

**Fugitive Dust Mitigation**

Yes/No	Mitigation Measure	Mitigation Input	Mitigation Input	Mitigation Input
No	Soil Stabilizer for unpaved Roads	PM10 Reduction	0.00	PM2.5 Reduction
No	Replace Ground Cover of Area Disturbed	PM10 Reduction	0.00	PM2.5 Reduction
No	Water Exposed Area	PM10 Reduction	0.00	PM2.5 Reduction
				0.00
				Frequency (per day)

No	Unpaved Road Mitigation	Moisture Content %	0.00	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	4.00	0.40	4.00	0.40	0.00	0.00
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	22.09	2.24	22.09	2.24	0.00	0.00
Demolition	Fugitive Dust	0.03	0.00	0.03	0.00	0.00	0.00
Demolition	Roads	0.31	0.03	0.31	0.03	0.00	0.00
Grading	Fugitive Dust	0.03	0.02	0.03	0.02	0.00	0.00
Grading	Roads	0.06	0.01	0.06	0.01	0.00	0.00
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.06	0.01	0.06	0.01	0.00	0.00
Site Preparation	Fugitive Dust	0.09	0.05	0.09	0.05	0.00	0.00
Site Preparation	Roads	0.40	0.04	0.40	0.04	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	7.48	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	3.49	4.13	6.99	8.65	8.38	8.44	0.00	8.62	8.62	4.78	0.00	8.62
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	30.00	35.79	34.40	30.02	30.18	32.47
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
Yes	Land Use	Increase Density	0.00	30.00		
Yes	Land Use	Increase Diversity	-0.01	0.13		
No	Land Use	Improve Walkability Design	0.00			
No	Land Use	Improve Destination Accessibility	0.00			
Yes	Land Use	Increase Transit Accessibility	0.21	0.10		
No	Land Use	Integrate Below Market Rate Housing	0.00			
	Land Use	Land Use SubTotal	0.10			

Yes	Neighborhood Enhancements	Improve Pedestrian Network	0.00	Rural		
No	Neighborhood Enhancements	Provide Traffic Calming Measures				
No	Neighborhood Enhancements	Implement NEV Network	0.00			
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.00			
Yes	Parking Policy Pricing	Limit Parking Supply	0.00			
No	Parking Policy Pricing	Unbundle Parking Costs	0.00			
No	Parking Policy Pricing	On-street Market Pricing	0.00			
	Parking Policy Pricing	Parking Policy Pricing Subtotal	0.00			
No	Transit Improvements	Provide BRT System	0.00			
No	Transit Improvements	Expand Transit Network	0.00			
No	Transit Improvements	Increase Transit Frequency	0.00			
	Transit Improvements	Transit Improvements Subtotal	0.00			
		Land Use and Site Enhancement Subtotal	0.10			
No	Commute	Implement Trip Reduction Program				
No	Commute	Transit Subsidy				
No	Commute	Implement Employee Parking "Cash Out"	4.50			
No	Commute	Workplace Parking Charge				
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00			
No	Commute	Market Commute Trip Reduction Option	0.00			
No	Commute	Employee Vanpool/Shuttle	0.00			2.00
No	Commute	Provide Ride Sharing Program	10.00			
	Commute	Commute Subtotal	0.00			

No	School Trip	Implement School Bus Program	0.00		
		Total VMT Reduction	0.10		

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
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
Yes	Apply Water Conservation on Strategy	30.00	50.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
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	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

**Solid Waste Mitigation**

Mitigation Measures	Input Value
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Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
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3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3820 Chile Road (Alternative B) UnMitigated**  
**Yolo/Solano AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	188.00	Dwelling Unit	6.28	188,000.00	538
Single Family Housing	5.00	Dwelling Unit	0.95	9,000.00	14

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**



3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates form KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	4.95	6.28
tblLandUse	LotAcreage	1.62	0.95

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.41
tblVehicleTrips	HO_TL	7.00	5.41
tblVehicleTrips	HS_TL	5.00	3.87
tblVehicleTrips	HS_TL	5.00	3.87
tblVehicleTrips	HW_TL	10.00	7.73
tblVehicleTrips	HW_TL	10.00	7.73
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	9.91	12.82
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	8.62	12.82
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	9.52	12.82

**2.0 Emissions Summary**

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3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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					
2019	10.8949	58.0139	24.5702	0.0761	159.1064	2.4438	160.5486	19.4972	2.2502	21.7474	0.0000	7,750.3719	7,750.3719	1.3548	0.0000	7,784.2416
2020	10.5562	23.5825	23.6489	0.0492	159.1064	1.2469	160.3532	16.0986	1.1790	17.2776	0.0000	4,789.6084	4,789.6084	0.7143	0.0000	4,807.4665
<b>Maximum</b>	<b>10.8949</b>	<b>58.0139</b>	<b>24.5702</b>	<b>0.0761</b>	<b>159.1064</b>	<b>2.4438</b>	<b>160.5486</b>	<b>19.4972</b>	<b>2.2502</b>	<b>21.7474</b>	<b>0.0000</b>	<b>7,750.3719</b>	<b>7,750.3719</b>	<b>1.3548</b>	<b>0.0000</b>	<b>7,784.2416</b>

**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					
2019	10.8949	58.0139	24.5702	0.0761	19.0983	2.4438	21.5421	10.1925	2.2502	12.4427	0.0000	7,750.3719	7,750.3719	1.3548	0.0000	7,784.2416
2020	10.5562	23.5825	23.6489	0.0492	1.3130	1.2469	2.5599	0.3528	1.1790	1.5318	0.0000	4,789.6084	4,789.6084	0.7143	0.0000	4,807.4665
<b>Maximum</b>	<b>10.8949</b>	<b>58.0139</b>	<b>24.5702</b>	<b>0.0761</b>	<b>19.0983</b>	<b>2.4438</b>	<b>21.5421</b>	<b>10.1925</b>	<b>2.2502</b>	<b>12.4427</b>	<b>0.0000</b>	<b>7,750.3719</b>	<b>7,750.3719</b>	<b>1.3548</b>	<b>0.0000</b>	<b>7,784.2416</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>93.59</b>	<b>0.00</b>	<b>92.49</b>	<b>70.38</b>	<b>0.00</b>	<b>64.19</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	432.6445	7.7224	544.5845	0.9563		74.2272	74.2272		74.2272	74.2272	7,792.1986	2,218.3177	10,010.5163	7.3492	0.5903	10,370.1532
Energy	0.0580	0.4953	0.2108	3.1600e-003		0.0401	0.0401		0.0401	0.0401		632.3340	632.3340	0.0121	0.0116	636.0917
Mobile	2.3989	13.7685	20.5090	0.0788	5.1478	0.0655	5.2133	1.3818	0.0616	1.4434		8,015.8070	8,015.8070	0.4303		8,026.5644
<b>Total</b>	<b>435.1014</b>	<b>21.9862</b>	<b>565.3042</b>	<b>1.0383</b>	<b>5.1478</b>	<b>74.3327</b>	<b>79.4805</b>	<b>1.3818</b>	<b>74.3288</b>	<b>75.7107</b>	<b>7,792.1986</b>	<b>10,866.4587</b>	<b>18,658.6573</b>	<b>7.7916</b>	<b>0.6019</b>	<b>19,032.8093</b>

**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	5.0595	0.1842	15.9573	8.4000e-004		0.0880	0.0880		0.0880	0.0880	0.0000	28.6706	28.6706	0.0278	0.0000	29.3652
Energy	0.0580	0.4953	0.2108	3.1600e-003		0.0401	0.0401		0.0401	0.0401		632.3340	632.3340	0.0121	0.0116	636.0917
Mobile	2.3163	13.1397	18.6621	0.0708	4.5404	0.0590	4.5993	1.2188	0.0555	1.2742		7,201.5304	7,201.5304	0.4048		7,211.6493
<b>Total</b>	<b>7.4338</b>	<b>13.8192</b>	<b>34.8303</b>	<b>0.0748</b>	<b>4.5404</b>	<b>0.1870</b>	<b>4.7273</b>	<b>1.2188</b>	<b>0.1835</b>	<b>1.4022</b>	<b>0.0000</b>	<b>7,862.5350</b>	<b>7,862.5350</b>	<b>0.4447</b>	<b>0.0116</b>	<b>7,877.1062</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	98.29	37.15	93.84	92.80	11.80	99.75	94.05	11.80	99.75	98.15	100.00	27.64	57.86	94.29	98.07	58.61

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/23/2019	2/1/2019	7	10	
3	Grading	Grading	2/2/2019	2/11/2019	7	10	
4	Paving	Paving	2/12/2019	2/21/2019	7	10	
5	Building Construction	Building Construction	2/22/2019	1/17/2020	7	330	
6	Architectural Coating	Architectural Coating	3/8/2019	1/31/2020	7	330	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.4

Acres of Paving: 0

Residential Indoor: 398,925; Residential Outdoor: 132,975; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## 3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	137.00	21.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	27.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>		<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.2 Demolition - 2019**

**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	0.0946	3.1008	0.4886	9.1500e-003	19.5286	0.0131	19.5417	1.9808	0.0126	1.9934		958.6602	958.6602	0.0397		959.6537
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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.1595</b>	<b>3.1367</b>	<b>0.9501</b>	<b>0.0104</b>	<b>32.8819</b>	<b>0.0139</b>	<b>32.8958</b>	<b>3.3313</b>	<b>0.0133</b>	<b>3.3446</b>		<b>1,084.3846</b>	<b>1,084.3846</b>	<b>0.0433</b>		<b>1,085.4663</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>	<b>0.0000</b>	<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>



3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.2 Demolition - 2019**

**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	0.0946	3.1008	0.4886	9.1500e-003	0.1827	0.0131	0.1959	0.0503	0.0126	0.0629		958.6602	958.6602	0.0397		959.6537
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	0.0649	0.0358	0.4615	1.2600e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.1595</b>	<b>3.1367</b>	<b>0.9501</b>	<b>0.0104</b>	<b>0.2909</b>	<b>0.0139</b>	<b>0.3048</b>	<b>0.0791</b>	<b>0.0133</b>	<b>0.0924</b>		<b>1,084.3846</b>	<b>1,084.3846</b>	<b>0.0433</b>		<b>1,085.4663</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.3 Site Preparation - 2019**

**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	0.3783	12.3982	1.9534	0.0366	78.0820	0.0525	78.1345	7.9199	0.0502	7.9701		3,833.0497	3,833.0497	0.1589		3,837.0218
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	0.0779	0.0430	0.5538	1.5100e-003	16.0239	9.6000e-004	16.0249	1.6206	8.8000e-004	1.6215		150.8693	150.8693	4.2400e-003		150.9752
<b>Total</b>	<b>0.4562</b>	<b>12.4412</b>	<b>2.5072</b>	<b>0.0381</b>	<b>94.1060</b>	<b>0.0535</b>	<b>94.1594</b>	<b>9.5405</b>	<b>0.0511</b>	<b>9.5916</b>		<b>3,983.9190</b>	<b>3,983.9190</b>	<b>0.1631</b>		<b>3,987.9970</b>

**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					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.3 Site Preparation - 2019**

**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	0.3783	12.3982	1.9534	0.0366	0.7306	0.0525	0.7831	0.2012	0.0502	0.2514		3,833.0497	3,833.0497	0.1589		3,837.0218
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	0.0779	0.0430	0.5538	1.5100e-003	0.1298	9.6000e-004	0.1307	0.0346	8.8000e-004	0.0355		150.8693	150.8693	4.2400e-003		150.9752
<b>Total</b>	<b>0.4562</b>	<b>12.4412</b>	<b>2.5072</b>	<b>0.0381</b>	<b>0.8604</b>	<b>0.0535</b>	<b>0.9139</b>	<b>0.2358</b>	<b>0.0511</b>	<b>0.2869</b>		<b>3,983.9190</b>	<b>3,983.9190</b>	<b>0.1631</b>		<b>3,987.9970</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>		<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.4 Grading - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**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					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>	<b>0.0000</b>	<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.4 Grading - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>0.1082</b>	<b>8.0000e-004</b>	<b>0.1090</b>	<b>0.0288</b>	<b>7.4000e-004</b>	<b>0.0295</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.5 Paving - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.5 Paving - 2019**

**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	0.0649	0.0358	0.4615	1.2600e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		125.7244	125.7244	3.5300e-003		125.8127
<b>Total</b>	<b>0.0649</b>	<b>0.0358</b>	<b>0.4615</b>	<b>1.2600e-003</b>	<b>0.1082</b>	<b>8.0000e-004</b>	<b>0.1090</b>	<b>0.0288</b>	<b>7.4000e-004</b>	<b>0.0295</b>		<b>125.7244</b>	<b>125.7244</b>	<b>3.5300e-003</b>		<b>125.8127</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.6 Building Construction - 2019**

**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	0.0869	2.5398	0.4984	6.0100e-003	13.1107	0.0149	13.1256	1.3331	0.0142	1.3473		628.6798	628.6798	0.0390		629.6549
Worker	0.5928	0.3273	4.2150	0.0115	121.9598	7.2900e-003	121.9671	12.3346	6.7200e-003	12.3413		1,148.2829	1,148.2829	0.0323		1,149.0892
<b>Total</b>	<b>0.6797</b>	<b>2.8672</b>	<b>4.7133</b>	<b>0.0175</b>	<b>135.0705</b>	<b>0.0222</b>	<b>135.0927</b>	<b>13.6677</b>	<b>0.0210</b>	<b>13.6886</b>		<b>1,776.9627</b>	<b>1,776.9627</b>	<b>0.0713</b>		<b>1,778.7441</b>

**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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>



3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.6 Building Construction - 2019**

**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	0.0869	2.5398	0.4984	6.0100e-003	0.1305	0.0149	0.1454	0.0378	0.0142	0.0521		628.6798	628.6798	0.0390		629.6549
Worker	0.5928	0.3273	4.2150	0.0115	0.9878	7.2900e-003	0.9951	0.2631	6.7200e-003	0.2698		1,148.2829	1,148.2829	0.0323		1,149.0892
<b>Total</b>	<b>0.6797</b>	<b>2.8672</b>	<b>4.7133</b>	<b>0.0175</b>	<b>1.1183</b>	<b>0.0222</b>	<b>1.1405</b>	<b>0.3009</b>	<b>0.0210</b>	<b>0.3219</b>		<b>1,776.9627</b>	<b>1,776.9627</b>	<b>0.0713</b>		<b>1,778.7441</b>

**3.6 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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.6 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	0.0733	2.3658	0.4369	5.9600e-003	13.1107	0.0104	13.1211	1.3331	9.9100e-003	1.3430		623.6736	623.6736	0.0358		624.5683
Worker	0.5431	0.2897	3.7860	0.0112	121.9598	7.1200e-003	121.9669	12.3346	6.5600e-003	12.3411		1,112.2259	1,112.2259	0.0283		1,112.9336
<b>Total</b>	<b>0.6164</b>	<b>2.6555</b>	<b>4.2228</b>	<b>0.0171</b>	<b>135.0705</b>	<b>0.0175</b>	<b>135.0880</b>	<b>13.6677</b>	<b>0.0165</b>	<b>13.6841</b>		<b>1,735.8995</b>	<b>1,735.8995</b>	<b>0.0641</b>		<b>1,737.5019</b>

**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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.6 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	0.0733	2.3658	0.4369	5.9600e-003	0.1305	0.0104	0.1409	0.0378	9.9100e-003	0.0477		623.6736	623.6736	0.0358		624.5683
Worker	0.5431	0.2897	3.7860	0.0112	0.9878	7.1200e-003	0.9949	0.2631	6.5600e-003	0.2697		1,112.2259	1,112.2259	0.0283		1,112.9336
<b>Total</b>	<b>0.6164</b>	<b>2.6555</b>	<b>4.2228</b>	<b>0.0171</b>	<b>1.1183</b>	<b>0.0175</b>	<b>1.1358</b>	<b>0.3009</b>	<b>0.0165</b>	<b>0.3174</b>		<b>1,735.8995</b>	<b>1,735.8995</b>	<b>0.0641</b>		<b>1,737.5019</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.4708					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7372</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.7 Architectural Coating - 2019**

**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	0.1168	0.0645	0.8307	2.2700e-003	24.0359	1.4400e-003	24.0373	2.4309	1.3200e-003	2.4322		226.3039	226.3039	6.3600e-003		226.4628
<b>Total</b>	<b>0.1168</b>	<b>0.0645</b>	<b>0.8307</b>	<b>2.2700e-003</b>	<b>24.0359</b>	<b>1.4400e-003</b>	<b>24.0373</b>	<b>2.4309</b>	<b>1.3200e-003</b>	<b>2.4322</b>		<b>226.3039</b>	<b>226.3039</b>	<b>6.3600e-003</b>		<b>226.4628</b>

**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	7.4708					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7372</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**3.7 Architectural Coating - 2019**

**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	0.1168	0.0645	0.8307	2.2700e-003	0.1947	1.4400e-003	0.1961	0.0519	1.3200e-003	0.0532		226.3039	226.3039	6.3600e-003		226.4628
<b>Total</b>	<b>0.1168</b>	<b>0.0645</b>	<b>0.8307</b>	<b>2.2700e-003</b>	<b>0.1947</b>	<b>1.4400e-003</b>	<b>0.1961</b>	<b>0.0519</b>	<b>1.3200e-003</b>	<b>0.0532</b>		<b>226.3039</b>	<b>226.3039</b>	<b>6.3600e-003</b>		<b>226.4628</b>

**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	7.4708					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
<b>Total</b>	<b>7.7130</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	0.1070	0.0571	0.7461	2.2000e-003	24.0359	1.4000e-003	24.0373	2.4309	1.2900e-003	2.4322		219.1978	219.1978	5.5800e-003		219.3373
<b>Total</b>	<b>0.1070</b>	<b>0.0571</b>	<b>0.7461</b>	<b>2.2000e-003</b>	<b>24.0359</b>	<b>1.4000e-003</b>	<b>24.0373</b>	<b>2.4309</b>	<b>1.2900e-003</b>	<b>2.4322</b>		<b>219.1978</b>	<b>219.1978</b>	<b>5.5800e-003</b>		<b>219.3373</b>

**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	7.4708					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
<b>Total</b>	<b>7.7130</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	0.1070	0.0571	0.7461	2.2000e-003	0.1947	1.4000e-003	0.1961	0.0519	1.2900e-003	0.0532		219.1978	219.1978	5.5800e-003		219.3373
<b>Total</b>	<b>0.1070</b>	<b>0.0571</b>	<b>0.7461</b>	<b>2.2000e-003</b>	<b>0.1947</b>	<b>1.4000e-003</b>	<b>0.1961</b>	<b>0.0519</b>	<b>1.2900e-003</b>	<b>0.0532</b>		<b>219.1978</b>	<b>219.1978</b>	<b>5.5800e-003</b>		<b>219.3373</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	2.3163	13.1397	18.6621	0.0708	4.5404	0.0590	4.5993	1.2188	0.0555	1.2742		7,201.5304	7,201.5304	0.4048		7,211.6493
Unmitigated	2.3989	13.7685	20.5090	0.0788	5.1478	0.0655	5.2133	1.3818	0.0616	1.4434		8,015.8070	8,015.8070	0.4303		8,026.5644

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,120.48	1,120.48	1120.48	2,273,316	2,005,065
Single Family Housing	64.10	64.10	64.10	130,051	114,705
Total	1,184.58	1,184.58	1,184.58	2,403,367	2,119,770

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	7.73	3.87	5.41	46.00	13.00	41.00	86	11	3
Single Family Housing	7.73	3.87	5.41	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987
Single Family Housing	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987



3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**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	0.0580	0.4953	0.2108	3.1600e-003		0.0401	0.0401		0.0401	0.0401		632.3340	632.3340	0.0121	0.0116	636.0917
NaturalGas Unmitigated	0.0580	0.4953	0.2108	3.1600e-003		0.0401	0.0401		0.0401	0.0401		632.3340	632.3340	0.0121	0.0116	636.0917

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	5020.94	0.0542	0.4627	0.1969	2.9500e-003		0.0374	0.0374		0.0374	0.0374		590.6987	590.6987	0.0113	0.0108	594.2090
Single Family Housing	353.9	3.8200e-003	0.0326	0.0139	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6353	41.6353	8.0000e-004	7.6000e-004	41.8827
<b>Total</b>		<b>0.0580</b>	<b>0.4953</b>	<b>0.2108</b>	<b>3.1600e-003</b>		<b>0.0401</b>	<b>0.0401</b>		<b>0.0401</b>	<b>0.0401</b>		<b>632.3340</b>	<b>632.3340</b>	<b>0.0121</b>	<b>0.0116</b>	<b>636.0917</b>

**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	5.02094	0.0542	0.4627	0.1969	2.9500e-003		0.0374	0.0374		0.0374	0.0374		590.6987	590.6987	0.0113	0.0108	594.2090
Single Family Housing	0.3539	3.8200e-003	0.0326	0.0139	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6353	41.6353	8.0000e-004	7.6000e-004	41.8827
<b>Total</b>		<b>0.0580</b>	<b>0.4953</b>	<b>0.2108</b>	<b>3.1600e-003</b>		<b>0.0401</b>	<b>0.0401</b>		<b>0.0401</b>	<b>0.0401</b>		<b>632.3340</b>	<b>632.3340</b>	<b>0.0121</b>	<b>0.0116</b>	<b>636.0917</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0595	0.1842	15.9573	8.4000e-004		0.0880	0.0880		0.0880	0.0880	0.0000	28.6706	28.6706	0.0278	0.0000	29.3652
Unmitigated	432.6445	7.7224	544.5845	0.9563		74.2272	74.2272		74.2272	74.2272	7,792.1986	2,218.3177	10,010.5163	7.3492	0.5903	10,370.1532

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	0.6754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.2158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	427.2698	7.5382	528.6271	0.9555		74.1392	74.1392		74.1392	74.1392	7,792.1986	2,189.6471	9,981.8457	7.3214	0.5903	10,340.7880
Landscaping	0.4835	0.1842	15.9573	8.4000e-004		0.0880	0.0880		0.0880	0.0880		28.6706	28.6706	0.0278		29.3652
<b>Total</b>	<b>432.6445</b>	<b>7.7224</b>	<b>544.5845</b>	<b>0.9563</b>		<b>74.2272</b>	<b>74.2272</b>		<b>74.2272</b>	<b>74.2272</b>	<b>7,792.1986</b>	<b>2,218.3177</b>	<b>10,010.5163</b>	<b>7.3492</b>	<b>0.5903</b>	<b>10,370.1532</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	0.6754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9006					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	0.4835	0.1842	15.9573	8.4000e-004		0.0880	0.0880		0.0880	0.0880		28.6706	28.6706	0.0278		29.3652
<b>Total</b>	<b>5.0595</b>	<b>0.1842</b>	<b>15.9573</b>	<b>8.4000e-004</b>		<b>0.0880</b>	<b>0.0880</b>		<b>0.0880</b>	<b>0.0880</b>	<b>0.0000</b>	<b>28.6706</b>	<b>28.6706</b>	<b>0.0278</b>	<b>0.0000</b>	<b>29.3652</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Summer

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3820 Chile Road (Alternative B) UnMitigated**  
**Yolo/Solano AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	188.00	Dwelling Unit	6.28	188,000.00	538
Single Family Housing	5.00	Dwelling Unit	0.95	9,000.00	14

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates form KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	4.95	6.28
tblLandUse	LotAcreage	1.62	0.95



3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.41
tblVehicleTrips	HO_TL	7.00	5.41
tblVehicleTrips	HS_TL	5.00	3.87
tblVehicleTrips	HS_TL	5.00	3.87
tblVehicleTrips	HW_TL	10.00	7.73
tblVehicleTrips	HW_TL	10.00	7.73
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	9.91	12.82
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	8.62	12.82
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	9.52	12.82

**2.0 Emissions Summary**

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3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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					
2019	10.8619	58.4479	24.7777	0.0751	159.1064	2.4452	160.5490	19.4972	2.2516	21.7488	0.0000	7,649.1579	7,649.1579	1.3743	0.0000	7,683.5163
2020	10.5256	23.7024	23.2625	0.0475	159.1064	1.2472	160.3535	16.0986	1.1793	17.2779	0.0000	4,619.7938	4,619.7938	0.7157	0.0000	4,637.6861
<b>Maximum</b>	<b>10.8619</b>	<b>58.4479</b>	<b>24.7777</b>	<b>0.0751</b>	<b>159.1064</b>	<b>2.4452</b>	<b>160.5490</b>	<b>19.4972</b>	<b>2.2516</b>	<b>21.7488</b>	<b>0.0000</b>	<b>7,649.1579</b>	<b>7,649.1579</b>	<b>1.3743</b>	<b>0.0000</b>	<b>7,683.5163</b>

**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					
2019	10.8619	58.4479	24.7777	0.0751	19.0983	2.4452	21.5435	10.1925	2.2516	12.4440	0.0000	7,649.1579	7,649.1579	1.3743	0.0000	7,683.5163
2020	10.5256	23.7024	23.2625	0.0475	1.3130	1.2472	2.5602	0.3528	1.1793	1.5321	0.0000	4,619.7938	4,619.7938	0.7157	0.0000	4,637.6861
<b>Maximum</b>	<b>10.8619</b>	<b>58.4479</b>	<b>24.7777</b>	<b>0.0751</b>	<b>19.0983</b>	<b>2.4452</b>	<b>21.5435</b>	<b>10.1925</b>	<b>2.2516</b>	<b>12.4440</b>	<b>0.0000</b>	<b>7,649.1579</b>	<b>7,649.1579</b>	<b>1.3743</b>	<b>0.0000</b>	<b>7,683.5163</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>93.59</b>	<b>0.00</b>	<b>92.49</b>	<b>70.38</b>	<b>0.00</b>	<b>64.19</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	432.6445	7.7224	544.5845	0.9563		74.2272	74.2272		74.2272	74.2272	7,792.1986	2,218.3177	10,010.5163	7.3492	0.5903	10,370.1532
Energy	0.0580	0.4953	0.2108	3.1600e-003		0.0401	0.0401		0.0401	0.0401		632.3340	632.3340	0.0121	0.0116	636.0917
Mobile	1.9101	14.2275	20.6499	0.0723	5.1478	0.0672	5.2150	1.3818	0.0632	1.4450		7,364.4230	7,364.4230	0.4557		7,375.8151
<b>Total</b>	<b>434.6126</b>	<b>22.4452</b>	<b>565.4452</b>	<b>1.0318</b>	<b>5.1478</b>	<b>74.3344</b>	<b>79.4822</b>	<b>1.3818</b>	<b>74.3304</b>	<b>75.7122</b>	<b>7,792.1986</b>	<b>10,215.0747</b>	<b>18,007.2733</b>	<b>7.8170</b>	<b>0.6019</b>	<b>18,382.0599</b>

**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	5.0595	0.1842	15.9573	8.4000e-004		0.0880	0.0880		0.0880	0.0880	0.0000	28.6706	28.6706	0.0278	0.0000	29.3652
Energy	0.0580	0.4953	0.2108	3.1600e-003		0.0401	0.0401		0.0401	0.0401		632.3340	632.3340	0.0121	0.0116	636.0917
Mobile	1.8290	13.5222	19.0823	0.0649	4.5404	0.0606	4.6010	1.2188	0.0570	1.2758		6,612.2826	6,612.2826	0.4316		6,623.0727
<b>Total</b>	<b>6.9465</b>	<b>14.2017</b>	<b>35.2504</b>	<b>0.0689</b>	<b>4.5404</b>	<b>0.1886</b>	<b>4.7290</b>	<b>1.2188</b>	<b>0.1850</b>	<b>1.4038</b>	<b>0.0000</b>	<b>7,273.2872</b>	<b>7,273.2872</b>	<b>0.4715</b>	<b>0.0116</b>	<b>7,288.5296</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	98.40	36.73	93.77	93.32	11.80	99.75	94.05	11.80	99.75	98.15	100.00	28.80	59.61	93.97	98.07	60.35

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/23/2019	2/1/2019	7	10	
3	Grading	Grading	2/2/2019	2/11/2019	7	10	
4	Paving	Paving	2/12/2019	2/21/2019	7	10	
5	Building Construction	Building Construction	2/22/2019	1/17/2020	7	330	
6	Architectural Coating	Architectural Coating	3/8/2019	1/31/2020	7	330	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 7.4

Acres of Paving: 0

Residential Indoor: 398,925; Residential Outdoor: 132,975; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	137.00	21.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	27.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697		3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>		<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.2 Demolition - 2019**

**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	0.0982	3.2066	0.5543	8.9500e-003	19.5286	0.0135	19.5421	1.9808	0.0129	1.9937		937.5663	937.5663	0.0447		938.6844
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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.1596</b>	<b>3.2517</b>	<b>0.9697</b>	<b>0.0101</b>	<b>32.8819</b>	<b>0.0143</b>	<b>32.8962</b>	<b>3.3313</b>	<b>0.0136</b>	<b>3.3449</b>		<b>1,049.2297</b>	<b>1,049.2297</b>	<b>0.0479</b>		<b>1,050.4278</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.7778	0.0000	2.7778	0.4207	0.0000	0.4207			0.0000			0.0000
Off-Road	3.5134	35.7830	22.0600	0.0388		1.7949	1.7949		1.6697	1.6697	0.0000	3,816.8994	3,816.8994	1.0618		3,843.4451
<b>Total</b>	<b>3.5134</b>	<b>35.7830</b>	<b>22.0600</b>	<b>0.0388</b>	<b>2.7778</b>	<b>1.7949</b>	<b>4.5727</b>	<b>0.4207</b>	<b>1.6697</b>	<b>2.0903</b>	<b>0.0000</b>	<b>3,816.8994</b>	<b>3,816.8994</b>	<b>1.0618</b>		<b>3,843.4451</b>

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**3.2 Demolition - 2019**

**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	0.0982	3.2066	0.5543	8.9500e-003	0.1827	0.0135	0.1962	0.0503	0.0129	0.0632		937.5663	937.5663	0.0447		938.6844
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	0.0615	0.0452	0.4155	1.1200e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.1596</b>	<b>3.2517</b>	<b>0.9697</b>	<b>0.0101</b>	<b>0.2909</b>	<b>0.0143</b>	<b>0.3052</b>	<b>0.0791</b>	<b>0.0136</b>	<b>0.0928</b>		<b>1,049.2297</b>	<b>1,049.2297</b>	<b>0.0479</b>		<b>1,050.4278</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>		<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>



3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.3 Site Preparation - 2019**

**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	0.3926	12.8210	2.2162	0.0358	78.0820	0.0539	78.1360	7.9199	0.0516	7.9715		3,748.7089	3,748.7089	0.1788		3,753.1796
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	0.0737	0.0542	0.4986	1.3500e-003	16.0239	9.6000e-004	16.0249	1.6206	8.8000e-004	1.6215		133.9961	133.9961	3.8400e-003		134.0921
<b>Total</b>	<b>0.4664</b>	<b>12.8752</b>	<b>2.7147</b>	<b>0.0371</b>	<b>94.1060</b>	<b>0.0549</b>	<b>94.1608</b>	<b>9.5405</b>	<b>0.0525</b>	<b>9.5930</b>		<b>3,882.7050</b>	<b>3,882.7050</b>	<b>0.1827</b>		<b>3,887.2718</b>

**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					18.2379	0.0000	18.2379	9.9567	0.0000	9.9567			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
<b>Total</b>	<b>4.3350</b>	<b>45.5727</b>	<b>22.0630</b>	<b>0.0380</b>	<b>18.2379</b>	<b>2.3904</b>	<b>20.6283</b>	<b>9.9567</b>	<b>2.1991</b>	<b>12.1558</b>	<b>0.0000</b>	<b>3,766.4529</b>	<b>3,766.4529</b>	<b>1.1917</b>		<b>3,796.2445</b>

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**3.3 Site Preparation - 2019**

**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	0.3926	12.8210	2.2162	0.0358	0.7306	0.0539	0.7845	0.2012	0.0516	0.2528		3,748.7089	3,748.7089	0.1788		3,753.1796
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	0.0737	0.0542	0.4986	1.3500e-003	0.1298	9.6000e-004	0.1307	0.0346	8.8000e-004	0.0355		133.9961	133.9961	3.8400e-003		134.0921
<b>Total</b>	<b>0.4664</b>	<b>12.8752</b>	<b>2.7147</b>	<b>0.0371</b>	<b>0.8604</b>	<b>0.0549</b>	<b>0.9153</b>	<b>0.2358</b>	<b>0.0525</b>	<b>0.2882</b>		<b>3,882.7050</b>	<b>3,882.7050</b>	<b>0.1827</b>		<b>3,887.2718</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856		2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>		<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.4 Grading - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**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					6.8069	0.0000	6.8069	3.3950	0.0000	3.3950			0.0000			0.0000
Off-Road	2.5805	28.3480	16.2934	0.0297		1.3974	1.3974		1.2856	1.2856	0.0000	2,936.8068	2,936.8068	0.9292		2,960.0361
<b>Total</b>	<b>2.5805</b>	<b>28.3480</b>	<b>16.2934</b>	<b>0.0297</b>	<b>6.8069</b>	<b>1.3974</b>	<b>8.2042</b>	<b>3.3950</b>	<b>1.2856</b>	<b>4.6805</b>	<b>0.0000</b>	<b>2,936.8068</b>	<b>2,936.8068</b>	<b>0.9292</b>		<b>2,960.0361</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.4 Grading - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>0.1082</b>	<b>8.0000e-004</b>	<b>0.1090</b>	<b>0.0288</b>	<b>7.4000e-004</b>	<b>0.0295</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>		<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.5 Paving - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	13.3533	8.0000e-004	13.3541	1.3505	7.4000e-004	1.3512		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>13.3533</b>	<b>8.0000e-004</b>	<b>13.3541</b>	<b>1.3505</b>	<b>7.4000e-004</b>	<b>1.3512</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**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	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.4544</b>	<b>15.2441</b>	<b>14.6648</b>	<b>0.0228</b>		<b>0.8246</b>	<b>0.8246</b>		<b>0.7586</b>	<b>0.7586</b>	<b>0.0000</b>	<b>2,257.0025</b>	<b>2,257.0025</b>	<b>0.7141</b>		<b>2,274.8548</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.5 Paving - 2019**

**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	0.0615	0.0452	0.4155	1.1200e-003	0.1082	8.0000e-004	0.1090	0.0288	7.4000e-004	0.0295		111.6634	111.6634	3.2000e-003		111.7434
<b>Total</b>	<b>0.0615</b>	<b>0.0452</b>	<b>0.4155</b>	<b>1.1200e-003</b>	<b>0.1082</b>	<b>8.0000e-004</b>	<b>0.1090</b>	<b>0.0288</b>	<b>7.4000e-004</b>	<b>0.0295</b>		<b>111.6634</b>	<b>111.6634</b>	<b>3.2000e-003</b>		<b>111.7434</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>		<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.6 Building Construction - 2019**

**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	0.0917	2.5788	0.5984	5.8100e-003	13.1107	0.0153	13.1260	1.3331	0.0146	1.3477		607.8516	607.8516	0.0441		608.9537
Worker	0.5613	0.4125	3.7946	0.0102	121.9598	7.2900e-003	121.9671	12.3346	6.7200e-003	12.3413		1,019.8591	1,019.8591	0.0292		1,020.5901
<b>Total</b>	<b>0.6529</b>	<b>2.9913</b>	<b>4.3929</b>	<b>0.0161</b>	<b>135.0705</b>	<b>0.0226</b>	<b>135.0931</b>	<b>13.6677</b>	<b>0.0213</b>	<b>13.6890</b>		<b>1,627.7107</b>	<b>1,627.7107</b>	<b>0.0733</b>		<b>1,629.5438</b>

**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	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
<b>Total</b>	<b>2.3612</b>	<b>21.0788</b>	<b>17.1638</b>	<b>0.0269</b>		<b>1.2899</b>	<b>1.2899</b>		<b>1.2127</b>	<b>1.2127</b>	<b>0.0000</b>	<b>2,591.5802</b>	<b>2,591.5802</b>	<b>0.6313</b>		<b>2,607.3635</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.6 Building Construction - 2019**

**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	0.0917	2.5788	0.5984	5.8100e-003	0.1305	0.0153	0.1458	0.0378	0.0146	0.0524		607.8516	607.8516	0.0441		608.9537
Worker	0.5613	0.4125	3.7946	0.0102	0.9878	7.2900e-003	0.9951	0.2631	6.7200e-003	0.2698		1,019.8591	1,019.8591	0.0292		1,020.5901
<b>Total</b>	<b>0.6529</b>	<b>2.9913</b>	<b>4.3929</b>	<b>0.0161</b>	<b>1.1183</b>	<b>0.0226</b>	<b>1.1409</b>	<b>0.3009</b>	<b>0.0213</b>	<b>0.3223</b>		<b>1,627.7107</b>	<b>1,627.7107</b>	<b>0.0733</b>		<b>1,629.5438</b>

**3.6 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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>		<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>



3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.6 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	0.0775	2.3960	0.5271	5.7600e-003	13.1107	0.0107	13.1214	1.3331	0.0102	1.3433		602.8462	602.8462	0.0405		603.8595
Worker	0.5140	0.3647	3.3879	9.9100e-003	121.9598	7.1200e-003	121.9669	12.3346	6.5600e-003	12.3411		987.7671	987.7671	0.0255		988.4043
<b>Total</b>	<b>0.5915</b>	<b>2.7606</b>	<b>3.9149</b>	<b>0.0157</b>	<b>135.0705</b>	<b>0.0178</b>	<b>135.0883</b>	<b>13.6677</b>	<b>0.0168</b>	<b>13.6844</b>		<b>1,590.6133</b>	<b>1,590.6133</b>	<b>0.0660</b>		<b>1,592.2638</b>

**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
<b>Total</b>	<b>2.1198</b>	<b>19.1860</b>	<b>16.8485</b>	<b>0.0269</b>		<b>1.1171</b>	<b>1.1171</b>		<b>1.0503</b>	<b>1.0503</b>	<b>0.0000</b>	<b>2,553.0631</b>	<b>2,553.0631</b>	<b>0.6229</b>		<b>2,568.6345</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.6 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	0.0775	2.3960	0.5271	5.7600e-003	0.1305	0.0107	0.1412	0.0378	0.0102	0.0480		602.8462	602.8462	0.0405		603.8595
Worker	0.5140	0.3647	3.3879	9.9100e-003	0.9878	7.1200e-003	0.9949	0.2631	6.5600e-003	0.2697		987.7671	987.7671	0.0255		988.4043
<b>Total</b>	<b>0.5915</b>	<b>2.7606</b>	<b>3.9149</b>	<b>0.0157</b>	<b>1.1183</b>	<b>0.0178</b>	<b>1.1361</b>	<b>0.3009</b>	<b>0.0168</b>	<b>0.3177</b>		<b>1,590.6133</b>	<b>1,590.6133</b>	<b>0.0660</b>		<b>1,592.2638</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	7.4708					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7372</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.7 Architectural Coating - 2019**

**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	0.1106	0.0813	0.7478	2.0200e-003	24.0359	1.4400e-003	24.0373	2.4309	1.3200e-003	2.4322		200.9941	200.9941	5.7600e-003		201.1382
<b>Total</b>	<b>0.1106</b>	<b>0.0813</b>	<b>0.7478</b>	<b>2.0200e-003</b>	<b>24.0359</b>	<b>1.4400e-003</b>	<b>24.0373</b>	<b>2.4309</b>	<b>1.3200e-003</b>	<b>2.4322</b>		<b>200.9941</b>	<b>200.9941</b>	<b>5.7600e-003</b>		<b>201.1382</b>

**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	7.4708					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288	0.0000	281.4481	281.4481	0.0238		282.0423
<b>Total</b>	<b>7.7372</b>	<b>1.8354</b>	<b>1.8413</b>	<b>2.9700e-003</b>		<b>0.1288</b>	<b>0.1288</b>		<b>0.1288</b>	<b>0.1288</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0238</b>		<b>282.0423</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**3.7 Architectural Coating - 2019**

**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	0.1106	0.0813	0.7478	2.0200e-003	0.1947	1.4400e-003	0.1961	0.0519	1.3200e-003	0.0532		200.9941	200.9941	5.7600e-003		201.1382
<b>Total</b>	<b>0.1106</b>	<b>0.0813</b>	<b>0.7478</b>	<b>2.0200e-003</b>	<b>0.1947</b>	<b>1.4400e-003</b>	<b>0.1961</b>	<b>0.0519</b>	<b>1.3200e-003</b>	<b>0.0532</b>		<b>200.9941</b>	<b>200.9941</b>	<b>5.7600e-003</b>		<b>201.1382</b>

**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	7.4708					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
<b>Total</b>	<b>7.7130</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	0.1013	0.0719	0.6677	1.9500e-003	24.0359	1.4000e-003	24.0373	2.4309	1.2900e-003	2.4322		194.6694	194.6694	5.0200e-003		194.7950
<b>Total</b>	<b>0.1013</b>	<b>0.0719</b>	<b>0.6677</b>	<b>1.9500e-003</b>	<b>24.0359</b>	<b>1.4000e-003</b>	<b>24.0373</b>	<b>2.4309</b>	<b>1.2900e-003</b>	<b>2.4322</b>		<b>194.6694</b>	<b>194.6694</b>	<b>5.0200e-003</b>		<b>194.7950</b>

**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	7.4708					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
<b>Total</b>	<b>7.7130</b>	<b>1.6838</b>	<b>1.8314</b>	<b>2.9700e-003</b>		<b>0.1109</b>	<b>0.1109</b>		<b>0.1109</b>	<b>0.1109</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0218</b>		<b>281.9928</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	0.1013	0.0719	0.6677	1.9500e-003	0.1947	1.4000e-003	0.1961	0.0519	1.2900e-003	0.0532		194.6694	194.6694	5.0200e-003		194.7950
<b>Total</b>	<b>0.1013</b>	<b>0.0719</b>	<b>0.6677</b>	<b>1.9500e-003</b>	<b>0.1947</b>	<b>1.4000e-003</b>	<b>0.1961</b>	<b>0.0519</b>	<b>1.2900e-003</b>	<b>0.0532</b>		<b>194.6694</b>	<b>194.6694</b>	<b>5.0200e-003</b>		<b>194.7950</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	1.8290	13.5222	19.0823	0.0649	4.5404	0.0606	4.6010	1.2188	0.0570	1.2758		6,612.2826	6,612.2826	0.4316		6,623.0727
Unmitigated	1.9101	14.2275	20.6499	0.0723	5.1478	0.0672	5.2150	1.3818	0.0632	1.4450		7,364.4230	7,364.4230	0.4557		7,375.8151

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,120.48	1,120.48	1120.48	2,273,316	2,005,065
Single Family Housing	64.10	64.10	64.10	130,051	114,705
Total	1,184.58	1,184.58	1,184.58	2,403,367	2,119,770

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	7.73	3.87	5.41	46.00	13.00	41.00	86	11	3
Single Family Housing	7.73	3.87	5.41	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987
Single Family Housing	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**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	0.0580	0.4953	0.2108	3.1600e-003		0.0401	0.0401		0.0401	0.0401		632.3340	632.3340	0.0121	0.0116	636.0917
NaturalGas Unmitigated	0.0580	0.4953	0.2108	3.1600e-003		0.0401	0.0401		0.0401	0.0401		632.3340	632.3340	0.0121	0.0116	636.0917



3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	5020.94	0.0542	0.4627	0.1969	2.9500e-003		0.0374	0.0374		0.0374	0.0374		590.6987	590.6987	0.0113	0.0108	594.2090
Single Family Housing	353.9	3.8200e-003	0.0326	0.0139	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6353	41.6353	8.0000e-004	7.6000e-004	41.8827
<b>Total</b>		<b>0.0580</b>	<b>0.4953</b>	<b>0.2108</b>	<b>3.1600e-003</b>		<b>0.0401</b>	<b>0.0401</b>		<b>0.0401</b>	<b>0.0401</b>		<b>632.3340</b>	<b>632.3340</b>	<b>0.0121</b>	<b>0.0116</b>	<b>636.0917</b>

**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	5.02094	0.0542	0.4627	0.1969	2.9500e-003		0.0374	0.0374		0.0374	0.0374		590.6987	590.6987	0.0113	0.0108	594.2090
Single Family Housing	0.3539	3.8200e-003	0.0326	0.0139	2.1000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003		41.6353	41.6353	8.0000e-004	7.6000e-004	41.8827
<b>Total</b>		<b>0.0580</b>	<b>0.4953</b>	<b>0.2108</b>	<b>3.1600e-003</b>		<b>0.0401</b>	<b>0.0401</b>		<b>0.0401</b>	<b>0.0401</b>		<b>632.3340</b>	<b>632.3340</b>	<b>0.0121</b>	<b>0.0116</b>	<b>636.0917</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0595	0.1842	15.9573	8.4000e-004		0.0880	0.0880		0.0880	0.0880	0.0000	28.6706	28.6706	0.0278	0.0000	29.3652
Unmitigated	432.6445	7.7224	544.5845	0.9563		74.2272	74.2272		74.2272	74.2272	7,792.1986	2,218.3177	10,010.5163	7.3492	0.5903	10,370.1532

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	0.6754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	4.2158					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	427.2698	7.5382	528.6271	0.9555		74.1392	74.1392		74.1392	74.1392	7,792.1986	2,189.6471	9,981.8457	7.3214	0.5903	10,340.7880
Landscaping	0.4835	0.1842	15.9573	8.4000e-004		0.0880	0.0880		0.0880	0.0880		28.6706	28.6706	0.0278		29.3652
<b>Total</b>	<b>432.6445</b>	<b>7.7224</b>	<b>544.5845</b>	<b>0.9563</b>		<b>74.2272</b>	<b>74.2272</b>		<b>74.2272</b>	<b>74.2272</b>	<b>7,792.1986</b>	<b>2,218.3177</b>	<b>10,010.5163</b>	<b>7.3492</b>	<b>0.5903</b>	<b>10,370.1532</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano 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	0.6754					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.9006					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	0.4835	0.1842	15.9573	8.4000e-004		0.0880	0.0880		0.0880	0.0880		28.6706	28.6706	0.0278		29.3652
<b>Total</b>	<b>5.0595</b>	<b>0.1842</b>	<b>15.9573</b>	<b>8.4000e-004</b>		<b>0.0880</b>	<b>0.0880</b>		<b>0.0880</b>	<b>0.0880</b>	<b>0.0000</b>	<b>28.6706</b>	<b>28.6706</b>	<b>0.0278</b>	<b>0.0000</b>	<b>29.3652</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Winter

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Annual

**3820 Chile Road (Alternative B) UnMitigated**  
**Yolo/Solano AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Mid Rise	188.00	Dwelling Unit	6.28	188,000.00	538
Single Family Housing	5.00	Dwelling Unit	0.95	9,000.00	14

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	6.8	<b>Precipitation Freq (Days)</b>	55
<b>Climate Zone</b>	2			<b>Operational Year</b>	2021
<b>Utility Company</b>	Pacific Gas & Electric Company				
<b>CO2 Intensity (lb/MW hr)</b>	290	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Annual

Project Characteristics - CO2 Intensity adjusted per PG&E progress towards RPS

Land Use - Project Information

Construction Phase - Applicant information

Demolition -

Grading - Project Information

Vehicle Trips - Trip Generation estimates form KD Anderson

Road Dust - Project located in urbanized portion of City

Mobile Land Use Mitigation -

Area Mitigation -

Water Mitigation - Water Use reductions per Tier 1 CalGreen Standard

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	22.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	330.00
tblConstructionPhase	NumDays	20.00	330.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblConstructionPhase	NumDaysWeek	5.00	7.00
tblGrading	AcresOfGrading	5.00	7.40
tblGrading	MaterialExported	0.00	3,500.00
tblLandUse	LotAcreage	4.95	6.28
tblLandUse	LotAcreage	1.62	0.95

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tblProjectCharacteristics	CO2IntensityFactor	641.35	290
tblRoadDust	RoadPercentPave	94	100
tblVehicleTrips	HO_TL	7.00	5.41
tblVehicleTrips	HO_TL	7.00	5.41
tblVehicleTrips	HS_TL	5.00	3.87
tblVehicleTrips	HS_TL	5.00	3.87
tblVehicleTrips	HW_TL	10.00	7.73
tblVehicleTrips	HW_TL	10.00	7.73
tblVehicleTrips	ST_TR	6.39	5.96
tblVehicleTrips	ST_TR	9.91	12.82
tblVehicleTrips	SU_TR	5.86	5.96
tblVehicleTrips	SU_TR	8.62	12.82
tblVehicleTrips	WD_TR	6.65	5.96
tblVehicleTrips	WD_TR	9.52	12.82

**2.0 Emissions Summary**

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**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					
2019	1.7222	4.9853	4.2658	8.7300e-003	22.0065	0.2681	22.2746	2.2868	0.2525	2.5393	0.0000	778.8320	778.8320	0.1283	0.0000	782.0405
2020	0.1437	0.2133	0.2138	4.4000e-004	1.2930	0.0114	1.3044	0.1311	0.0108	0.1419	0.0000	39.0060	39.0060	5.6700e-003	0.0000	39.1477
<b>Maximum</b>	<b>1.7222</b>	<b>4.9853</b>	<b>4.2658</b>	<b>8.7300e-003</b>	<b>22.0065</b>	<b>0.2681</b>	<b>22.2746</b>	<b>2.2868</b>	<b>0.2525</b>	<b>2.5393</b>	<b>0.0000</b>	<b>778.8320</b>	<b>778.8320</b>	<b>0.1283</b>	<b>0.0000</b>	<b>782.0405</b>

**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					
2019	1.7222	4.9853	4.2658	8.7300e-003	0.3617	0.2681	0.6298	0.1269	0.2525	0.3795	0.0000	778.8314	778.8314	0.1283	0.0000	782.0399
2020	0.1437	0.2133	0.2138	4.4000e-004	0.0121	0.0114	0.0235	3.2600e-003	0.0108	0.0141	0.0000	39.0060	39.0060	5.6700e-003	0.0000	39.1477
<b>Maximum</b>	<b>1.7222</b>	<b>4.9853</b>	<b>4.2658</b>	<b>8.7300e-003</b>	<b>0.3617</b>	<b>0.2681</b>	<b>0.6298</b>	<b>0.1269</b>	<b>0.2525</b>	<b>0.3795</b>	<b>0.0000</b>	<b>778.8314</b>	<b>778.8314</b>	<b>0.1283</b>	<b>0.0000</b>	<b>782.0399</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>98.40</b>	<b>0.00</b>	<b>97.23</b>	<b>94.62</b>	<b>0.00</b>	<b>85.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2019	3-31-2019	1.6570	1.6570
2	4-1-2019	6-30-2019	1.6717	1.6717
3	7-1-2019	9-30-2019	1.6901	1.6901
4	10-1-2019	12-31-2019	1.6950	1.6950
5	1-1-2020	3-31-2020	0.3579	0.3579
		Highest	1.6950	1.6950

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	18.4542	0.3256	23.1099	0.0393		3.0476	3.0476		3.0476	3.0476	289.8275	83.7839	373.6114	0.2746	0.0220	387.0188
Energy	0.0106	0.0904	0.0385	5.8000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	215.5052	215.5052	0.0131	4.2100e-003	217.0876
Mobile	0.3601	2.5619	3.5056	0.0135	0.9070	0.0120	0.9190	0.2441	0.0113	0.2555	0.0000	1,244.0994	1,244.0994	0.0718	0.0000	1,245.8944
Waste						0.0000	0.0000		0.0000	0.0000	18.6630	0.0000	18.6630	1.1030	0.0000	46.2368
Water						0.0000	0.0000		0.0000	0.0000	3.9894	12.6002	16.5895	0.4110	9.9400e-003	29.8256
<b>Total</b>	<b>18.8249</b>	<b>2.9780</b>	<b>26.6540</b>	<b>0.0533</b>	<b>0.9070</b>	<b>3.0670</b>	<b>3.9739</b>	<b>0.2441</b>	<b>3.0663</b>	<b>3.3104</b>	<b>312.4799</b>	<b>1,555.9886</b>	<b>1,868.4685</b>	<b>1.8734</b>	<b>0.0361</b>	<b>1,926.0631</b>

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**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	0.8786	0.0166	1.4362	8.0000e-005		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	2.3409	2.3409	2.2700e-003	0.0000	2.3976
Energy	0.0106	0.0904	0.0385	5.8000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	215.5052	215.5052	0.0131	4.2100e-003	217.0876
Mobile	0.3455	2.4389	3.2188	0.0121	0.8000	0.0108	0.8108	0.2153	0.0102	0.2255	0.0000	1,117.9759	1,117.9759	0.0678	0.0000	1,119.6710
Waste						0.0000	0.0000		0.0000	0.0000	18.6630	0.0000	18.6630	1.1030	0.0000	46.2368
Water						0.0000	0.0000		0.0000	0.0000	2.7926	8.0902	10.8827	0.2876	6.9400e-003	20.1416
<b>Total</b>	<b>1.2347</b>	<b>2.5459</b>	<b>4.6935</b>	<b>0.0128</b>	<b>0.8000</b>	<b>0.0261</b>	<b>0.8260</b>	<b>0.2153</b>	<b>0.0254</b>	<b>0.2408</b>	<b>21.4556</b>	<b>1,343.9121</b>	<b>1,365.3677</b>	<b>1.4737</b>	<b>0.0112</b>	<b>1,405.5345</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>93.44</b>	<b>14.51</b>	<b>82.39</b>	<b>76.06</b>	<b>11.80</b>	<b>99.15</b>	<b>79.21</b>	<b>11.80</b>	<b>99.17</b>	<b>92.73</b>	<b>93.13</b>	<b>13.63</b>	<b>26.93</b>	<b>21.33</b>	<b>69.12</b>	<b>27.03</b>

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	1/22/2019	7	22	
2	Site Preparation	Site Preparation	1/23/2019	2/1/2019	7	10	
3	Grading	Grading	2/2/2019	2/11/2019	7	10	
4	Paving	Paving	2/12/2019	2/21/2019	7	10	
5	Building Construction	Building Construction	2/22/2019	1/17/2020	7	330	
6	Architectural Coating	Architectural Coating	3/8/2019	1/31/2020	7	330	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 7.4**

**Acres of Paving: 0**

**Residential Indoor: 398,925; Residential Outdoor: 132,975; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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
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
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
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
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	438.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	241.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	137.00	21.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	27.00	0.00	0.00	10.00	7.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0306	0.0000	0.0306	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0387	0.3936	0.2427	4.3000e-004		0.0197	0.0197		0.0184	0.0184	0.0000	38.0890	38.0890	0.0106	0.0000	38.3539
<b>Total</b>	<b>0.0387</b>	<b>0.3936</b>	<b>0.2427</b>	<b>4.3000e-004</b>	<b>0.0306</b>	<b>0.0197</b>	<b>0.0503</b>	<b>4.6300e-003</b>	<b>0.0184</b>	<b>0.0230</b>	<b>0.0000</b>	<b>38.0890</b>	<b>38.0890</b>	<b>0.0106</b>	<b>0.0000</b>	<b>38.3539</b>

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**3.2 Demolition - 2019**

**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	1.0600e-003	0.0352	5.6600e-003	1.0000e-004	0.1827	1.5000e-004	0.1828	0.0186	1.4000e-004	0.0187	0.0000	9.4781	9.4781	4.2000e-004	0.0000	9.4885
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	6.3000e-004	4.4000e-004	4.4400e-003	1.0000e-005	0.1249	1.0000e-005	0.1249	0.0127	1.0000e-005	0.0127	0.0000	1.1429	1.1429	3.0000e-005	0.0000	1.1437
<b>Total</b>	<b>1.6900e-003</b>	<b>0.0356</b>	<b>0.0101</b>	<b>1.1000e-004</b>	<b>0.3076</b>	<b>1.6000e-004</b>	<b>0.3077</b>	<b>0.0312</b>	<b>1.5000e-004</b>	<b>0.0314</b>	<b>0.0000</b>	<b>10.6210</b>	<b>10.6210</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>10.6322</b>

**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					0.0306	0.0000	0.0306	4.6300e-003	0.0000	4.6300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0387	0.3936	0.2427	4.3000e-004		0.0197	0.0197		0.0184	0.0184	0.0000	38.0889	38.0889	0.0106	0.0000	38.3538
<b>Total</b>	<b>0.0387</b>	<b>0.3936</b>	<b>0.2427</b>	<b>4.3000e-004</b>	<b>0.0306</b>	<b>0.0197</b>	<b>0.0503</b>	<b>4.6300e-003</b>	<b>0.0184</b>	<b>0.0230</b>	<b>0.0000</b>	<b>38.0889</b>	<b>38.0889</b>	<b>0.0106</b>	<b>0.0000</b>	<b>38.3538</b>

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**3.2 Demolition - 2019**

**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	1.0600e-003	0.0352	5.6600e-003	1.0000e-004	1.9500e-003	1.5000e-004	2.1000e-003	5.4000e-004	1.4000e-004	6.8000e-004	0.0000	9.4781	9.4781	4.2000e-004	0.0000	9.4885
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	6.3000e-004	4.4000e-004	4.4400e-003	1.0000e-005	1.1500e-003	1.0000e-005	1.1600e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	1.1429	1.1429	3.0000e-005	0.0000	1.1437
<b>Total</b>	<b>1.6900e-003</b>	<b>0.0356</b>	<b>0.0101</b>	<b>1.1000e-004</b>	<b>3.1000e-003</b>	<b>1.6000e-004</b>	<b>3.2600e-003</b>	<b>8.5000e-004</b>	<b>1.5000e-004</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>10.6210</b>	<b>10.6210</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>10.6322</b>

**3.3 Site Preparation - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0912</b>	<b>0.0120</b>	<b>0.1031</b>	<b>0.0498</b>	<b>0.0110</b>	<b>0.0608</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>



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**3.3 Site Preparation - 2019**

**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	1.9200e-003	0.0639	0.0103	1.8000e-004	0.3320	2.7000e-004	0.3323	0.0338	2.5000e-004	0.0340	0.0000	17.2257	17.2257	7.6000e-004	0.0000	17.2447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.4000e-004	2.4200e-003	1.0000e-005	0.0681	0.0000	0.0681	6.9000e-003	0.0000	6.9100e-003	0.0000	0.6234	0.6234	2.0000e-005	0.0000	0.6238
<b>Total</b>	<b>2.2600e-003</b>	<b>0.0641</b>	<b>0.0127</b>	<b>1.9000e-004</b>	<b>0.4002</b>	<b>2.7000e-004</b>	<b>0.4004</b>	<b>0.0407</b>	<b>2.5000e-004</b>	<b>0.0409</b>	<b>0.0000</b>	<b>17.8491</b>	<b>17.8491</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>17.8685</b>

**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					0.0912	0.0000	0.0912	0.0498	0.0000	0.0498	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0217	0.2279	0.1103	1.9000e-004		0.0120	0.0120		0.0110	0.0110	0.0000	17.0843	17.0843	5.4100e-003	0.0000	17.2195
<b>Total</b>	<b>0.0217</b>	<b>0.2279</b>	<b>0.1103</b>	<b>1.9000e-004</b>	<b>0.0912</b>	<b>0.0120</b>	<b>0.1031</b>	<b>0.0498</b>	<b>0.0110</b>	<b>0.0608</b>	<b>0.0000</b>	<b>17.0843</b>	<b>17.0843</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>17.2195</b>

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**3.3 Site Preparation - 2019**

**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	1.9200e-003	0.0639	0.0103	1.8000e-004	3.5500e-003	2.7000e-004	3.8200e-003	9.8000e-004	2.5000e-004	1.2300e-003	0.0000	17.2257	17.2257	7.6000e-004	0.0000	17.2447
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.4000e-004	2.4200e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.6234	0.6234	2.0000e-005	0.0000	0.6238
<b>Total</b>	<b>2.2600e-003</b>	<b>0.0641</b>	<b>0.0127</b>	<b>1.9000e-004</b>	<b>4.1800e-003</b>	<b>2.7000e-004</b>	<b>4.4500e-003</b>	<b>1.1500e-003</b>	<b>2.5000e-004</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>17.8491</b>	<b>17.8491</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>17.8685</b>

**3.4 Grading - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0340	0.0000	0.0340	0.0170	0.0000	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.1417	0.0815	1.5000e-004		6.9900e-003	6.9900e-003		6.4300e-003	6.4300e-003	0.0000	13.3211	13.3211	4.2100e-003	0.0000	13.4265
<b>Total</b>	<b>0.0129</b>	<b>0.1417</b>	<b>0.0815</b>	<b>1.5000e-004</b>	<b>0.0340</b>	<b>6.9900e-003</b>	<b>0.0410</b>	<b>0.0170</b>	<b>6.4300e-003</b>	<b>0.0234</b>	<b>0.0000</b>	<b>13.3211</b>	<b>13.3211</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>13.4265</b>

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**3.4 Grading - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	0.0568	0.0000	0.0568	5.7500e-003	0.0000	5.7600e-003	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>0.0568</b>	<b>0.0000</b>	<b>0.0568</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**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					0.0340	0.0000	0.0340	0.0170	0.0000	0.0170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0129	0.1417	0.0815	1.5000e-004		6.9900e-003	6.9900e-003		6.4300e-003	6.4300e-003	0.0000	13.3211	13.3211	4.2100e-003	0.0000	13.4265
<b>Total</b>	<b>0.0129</b>	<b>0.1417</b>	<b>0.0815</b>	<b>1.5000e-004</b>	<b>0.0340</b>	<b>6.9900e-003</b>	<b>0.0410</b>	<b>0.0170</b>	<b>6.4300e-003</b>	<b>0.0234</b>	<b>0.0000</b>	<b>13.3211</b>	<b>13.3211</b>	<b>4.2100e-003</b>	<b>0.0000</b>	<b>13.4265</b>

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**3.4 Grading - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**3.5 Paving - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.2700e-003	0.0762	0.0733	1.1000e-004		4.1200e-003	4.1200e-003		3.7900e-003	3.7900e-003	0.0000	10.2376	10.2376	3.2400e-003	0.0000	10.3186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.2700e-003</b>	<b>0.0762</b>	<b>0.0733</b>	<b>1.1000e-004</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>10.2376</b>	<b>10.2376</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.3186</b>

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**3.5 Paving - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	0.0568	0.0000	0.0568	5.7500e-003	0.0000	5.7600e-003	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>0.0568</b>	<b>0.0000</b>	<b>0.0568</b>	<b>5.7500e-003</b>	<b>0.0000</b>	<b>5.7600e-003</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**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	7.2700e-003	0.0762	0.0733	1.1000e-004		4.1200e-003	4.1200e-003		3.7900e-003	3.7900e-003	0.0000	10.2376	10.2376	3.2400e-003	0.0000	10.3186
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.2700e-003</b>	<b>0.0762</b>	<b>0.0733</b>	<b>1.1000e-004</b>		<b>4.1200e-003</b>	<b>4.1200e-003</b>		<b>3.7900e-003</b>	<b>3.7900e-003</b>	<b>0.0000</b>	<b>10.2376</b>	<b>10.2376</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>10.3186</b>

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**3.5 Paving - 2019**

**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	2.9000e-004	2.0000e-004	2.0200e-003	1.0000e-005	5.2000e-004	0.0000	5.3000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.5195	0.5195	1.0000e-005	0.0000	0.5199
<b>Total</b>	<b>2.9000e-004</b>	<b>2.0000e-004</b>	<b>2.0200e-003</b>	<b>1.0000e-005</b>	<b>5.2000e-004</b>	<b>0.0000</b>	<b>5.3000e-004</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>1.4000e-004</b>	<b>0.0000</b>	<b>0.5195</b>	<b>0.5195</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.5199</b>

**3.6 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3695	3.2988	2.6861	4.2100e-003		0.2019	0.2019		0.1898	0.1898	0.0000	367.9381	367.9381	0.0896	0.0000	370.1789
<b>Total</b>	<b>0.3695</b>	<b>3.2988</b>	<b>2.6861</b>	<b>4.2100e-003</b>		<b>0.2019</b>	<b>0.2019</b>		<b>0.1898</b>	<b>0.1898</b>	<b>0.0000</b>	<b>367.9381</b>	<b>367.9381</b>	<b>0.0896</b>	<b>0.0000</b>	<b>370.1789</b>

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**3.6 Building Construction - 2019**

**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	0.0139	0.4045	0.0843	9.3000e-004	1.7452	2.3500e-003	1.7475	0.1780	2.2500e-003	0.1802	0.0000	88.0141	88.0141	5.8400e-003	0.0000	88.1600
Worker	0.0817	0.0572	0.5769	1.6400e-003	16.2289	1.1400e-003	16.2300	1.6445	1.0500e-003	1.6455	0.0000	148.5086	148.5086	4.1500e-003	0.0000	148.6124
<b>Total</b>	<b>0.0956</b>	<b>0.4617</b>	<b>0.6612</b>	<b>2.5700e-003</b>	<b>17.9741</b>	<b>3.4900e-003</b>	<b>17.9776</b>	<b>1.8224</b>	<b>3.3000e-003</b>	<b>1.8257</b>	<b>0.0000</b>	<b>236.5227</b>	<b>236.5227</b>	<b>9.9900e-003</b>	<b>0.0000</b>	<b>236.7724</b>

**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	0.3695	3.2988	2.6861	4.2100e-003		0.2019	0.2019		0.1898	0.1898	0.0000	367.9376	367.9376	0.0896	0.0000	370.1785
<b>Total</b>	<b>0.3695</b>	<b>3.2988</b>	<b>2.6861</b>	<b>4.2100e-003</b>		<b>0.2019</b>	<b>0.2019</b>		<b>0.1898</b>	<b>0.1898</b>	<b>0.0000</b>	<b>367.9376</b>	<b>367.9376</b>	<b>0.0896</b>	<b>0.0000</b>	<b>370.1785</b>

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**3.6 Building Construction - 2019**

**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	0.0139	0.4045	0.0843	9.3000e-004	0.0199	2.3500e-003	0.0222	5.7900e-003	2.2500e-003	8.0400e-003	0.0000	88.0141	88.0141	5.8400e-003	0.0000	88.1600
Worker	0.0817	0.0572	0.5769	1.6400e-003	0.1496	1.1400e-003	0.1507	0.0399	1.0500e-003	0.0410	0.0000	148.5086	148.5086	4.1500e-003	0.0000	148.6124
<b>Total</b>	<b>0.0956</b>	<b>0.4617</b>	<b>0.6612</b>	<b>2.5700e-003</b>	<b>0.1695</b>	<b>3.4900e-003</b>	<b>0.1730</b>	<b>0.0457</b>	<b>3.3000e-003</b>	<b>0.0490</b>	<b>0.0000</b>	<b>236.5227</b>	<b>236.5227</b>	<b>9.9900e-003</b>	<b>0.0000</b>	<b>236.7724</b>

**3.6 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	0.0180	0.1631	0.1432	2.3000e-004		9.4900e-003	9.4900e-003		8.9300e-003	8.9300e-003	0.0000	19.6869	19.6869	4.8000e-003	0.0000	19.8069
<b>Total</b>	<b>0.0180</b>	<b>0.1631</b>	<b>0.1432</b>	<b>2.3000e-004</b>		<b>9.4900e-003</b>	<b>9.4900e-003</b>		<b>8.9300e-003</b>	<b>8.9300e-003</b>	<b>0.0000</b>	<b>19.6869</b>	<b>19.6869</b>	<b>4.8000e-003</b>	<b>0.0000</b>	<b>19.8069</b>



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**3.6 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	6.4000e-004	0.0204	4.0300e-003	5.0000e-005	0.0948	9.0000e-005	0.0949	9.6600e-003	9.0000e-005	9.7500e-003	0.0000	4.7417	4.7417	2.9000e-004	0.0000	4.7490
Worker	4.0700e-003	2.7500e-003	0.0281	9.0000e-005	0.8814	6.0000e-005	0.8815	0.0893	6.0000e-005	0.0894	0.0000	7.8123	7.8123	2.0000e-004	0.0000	7.8172
<b>Total</b>	<b>4.7100e-003</b>	<b>0.0232</b>	<b>0.0321</b>	<b>1.4000e-004</b>	<b>0.9762</b>	<b>1.5000e-004</b>	<b>0.9764</b>	<b>0.0990</b>	<b>1.5000e-004</b>	<b>0.0991</b>	<b>0.0000</b>	<b>12.5540</b>	<b>12.5540</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>12.5662</b>

**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	0.0180	0.1631	0.1432	2.3000e-004		9.4900e-003	9.4900e-003		8.9300e-003	8.9300e-003	0.0000	19.6868	19.6868	4.8000e-003	0.0000	19.8069
<b>Total</b>	<b>0.0180</b>	<b>0.1631</b>	<b>0.1432</b>	<b>2.3000e-004</b>		<b>9.4900e-003</b>	<b>9.4900e-003</b>		<b>8.9300e-003</b>	<b>8.9300e-003</b>	<b>0.0000</b>	<b>19.6868</b>	<b>19.6868</b>	<b>4.8000e-003</b>	<b>0.0000</b>	<b>19.8069</b>

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**3.6 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	6.4000e-004	0.0204	4.0300e-003	5.0000e-005	1.0800e-003	9.0000e-005	1.1700e-003	3.1000e-004	9.0000e-005	4.0000e-004	0.0000	4.7417	4.7417	2.9000e-004	0.0000	4.7490
Worker	4.0700e-003	2.7500e-003	0.0281	9.0000e-005	8.1200e-003	6.0000e-005	8.1800e-003	2.1700e-003	6.0000e-005	2.2300e-003	0.0000	7.8123	7.8123	2.0000e-004	0.0000	7.8172
<b>Total</b>	<b>4.7100e-003</b>	<b>0.0232</b>	<b>0.0321</b>	<b>1.4000e-004</b>	<b>9.2000e-003</b>	<b>1.5000e-004</b>	<b>9.3500e-003</b>	<b>2.4800e-003</b>	<b>1.5000e-004</b>	<b>2.6300e-003</b>	<b>0.0000</b>	<b>12.5540</b>	<b>12.5540</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>12.5662</b>

**3.7 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0398	0.2744	0.2753	4.4000e-004		0.0193	0.0193		0.0193	0.0193	0.0000	38.1711	38.1711	3.2200e-003	0.0000	38.2517
<b>Total</b>	<b>1.1567</b>	<b>0.2744</b>	<b>0.2753</b>	<b>4.4000e-004</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>38.1711</b>	<b>38.1711</b>	<b>3.2200e-003</b>	<b>0.0000</b>	<b>38.2517</b>

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**3.7 Architectural Coating - 2019**

**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	0.0154	0.0108	0.1086	3.1000e-004	3.0553	2.1000e-004	3.0556	0.3096	2.0000e-004	0.3098	0.0000	27.9590	27.9590	7.8000e-004	0.0000	27.9786
<b>Total</b>	<b>0.0154</b>	<b>0.0108</b>	<b>0.1086</b>	<b>3.1000e-004</b>	<b>3.0553</b>	<b>2.1000e-004</b>	<b>3.0556</b>	<b>0.3096</b>	<b>2.0000e-004</b>	<b>0.3098</b>	<b>0.0000</b>	<b>27.9590</b>	<b>27.9590</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>27.9786</b>

**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	1.1169					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0398	0.2744	0.2753	4.4000e-004		0.0193	0.0193		0.0193	0.0193	0.0000	38.1711	38.1711	3.2200e-003	0.0000	38.2517
<b>Total</b>	<b>1.1567</b>	<b>0.2744</b>	<b>0.2753</b>	<b>4.4000e-004</b>		<b>0.0193</b>	<b>0.0193</b>		<b>0.0193</b>	<b>0.0193</b>	<b>0.0000</b>	<b>38.1711</b>	<b>38.1711</b>	<b>3.2200e-003</b>	<b>0.0000</b>	<b>38.2517</b>

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**3.7 Architectural Coating - 2019**

**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	0.0154	0.0108	0.1086	3.1000e-004	0.0282	2.1000e-004	0.0284	7.5200e-003	2.0000e-004	7.7200e-003	0.0000	27.9590	27.9590	7.8000e-004	0.0000	27.9786
<b>Total</b>	<b>0.0154</b>	<b>0.0108</b>	<b>0.1086</b>	<b>3.1000e-004</b>	<b>0.0282</b>	<b>2.1000e-004</b>	<b>0.0284</b>	<b>7.5200e-003</b>	<b>2.0000e-004</b>	<b>7.7200e-003</b>	<b>0.0000</b>	<b>27.9590</b>	<b>27.9590</b>	<b>7.8000e-004</b>	<b>0.0000</b>	<b>27.9786</b>

**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	0.1158					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7500e-003	0.0261	0.0284	5.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	3.9575	3.9575	3.1000e-004	0.0000	3.9652
<b>Total</b>	<b>0.1196</b>	<b>0.0261</b>	<b>0.0284</b>	<b>5.0000e-005</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>3.9575</b>	<b>3.9575</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>3.9652</b>

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**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	1.4600e-003	9.9000e-004	0.0101	3.0000e-005	0.3168	2.0000e-005	0.3168	0.0321	2.0000e-005	0.0321	0.0000	2.8076	2.8076	7.0000e-005	0.0000	2.8094
<b>Total</b>	<b>1.4600e-003</b>	<b>9.9000e-004</b>	<b>0.0101</b>	<b>3.0000e-005</b>	<b>0.3168</b>	<b>2.0000e-005</b>	<b>0.3168</b>	<b>0.0321</b>	<b>2.0000e-005</b>	<b>0.0321</b>	<b>0.0000</b>	<b>2.8076</b>	<b>2.8076</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.8094</b>

**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	0.1158					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7500e-003	0.0261	0.0284	5.0000e-005		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	3.9575	3.9575	3.1000e-004	0.0000	3.9652
<b>Total</b>	<b>0.1196</b>	<b>0.0261</b>	<b>0.0284</b>	<b>5.0000e-005</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>3.9575</b>	<b>3.9575</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>3.9652</b>

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**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	1.4600e-003	9.9000e-004	0.0101	3.0000e-005	2.9200e-003	2.0000e-005	2.9400e-003	7.8000e-004	2.0000e-005	8.0000e-004	0.0000	2.8076	2.8076	7.0000e-005	0.0000	2.8094
<b>Total</b>	<b>1.4600e-003</b>	<b>9.9000e-004</b>	<b>0.0101</b>	<b>3.0000e-005</b>	<b>2.9200e-003</b>	<b>2.0000e-005</b>	<b>2.9400e-003</b>	<b>7.8000e-004</b>	<b>2.0000e-005</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.8076</b>	<b>2.8076</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>2.8094</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

- Increase Density
- Increase Diversity
- Increase Transit Accessibility
- Improve Pedestrian Network

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3455	2.4389	3.2188	0.0121	0.8000	0.0108	0.8108	0.2153	0.0102	0.2255	0.0000	1,117.9759	1,117.9759	0.0678	0.0000	1,119.6710
Unmitigated	0.3601	2.5619	3.5056	0.0135	0.9070	0.0120	0.9190	0.2441	0.0113	0.2555	0.0000	1,244.0994	1,244.0994	0.0718	0.0000	1,245.8944

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	1,120.48	1,120.48	1120.48	2,273,316	2,005,065
Single Family Housing	64.10	64.10	64.10	130,051	114,705
Total	1,184.58	1,184.58	1,184.58	2,403,367	2,119,770

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	7.73	3.87	5.41	46.00	13.00	41.00	86	11	3
Single Family Housing	7.73	3.87	5.41	46.00	13.00	41.00	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987
Single Family Housing	0.520277	0.038864	0.193543	0.118146	0.022917	0.005635	0.034518	0.053912	0.001336	0.002070	0.007104	0.000691	0.000987

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**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	110.8152	110.8152	0.0111	2.2900e-003	111.7755
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	0.0000	110.8152	110.8152	0.0111	2.2900e-003	111.7755
NaturalGas Mitigated	0.0106	0.0904	0.0385	5.8000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	104.6900	104.6900	2.0100e-003	1.9200e-003	105.3121	
NaturalGas Unmitigated	0.0106	0.0904	0.0385	5.8000e-004		7.3100e-003	7.3100e-003		7.3100e-003	7.3100e-003	0.0000	104.6900	104.6900	2.0100e-003	1.9200e-003	105.3121	



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**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	1.83264e+006	9.8800e-003	0.0845	0.0359	5.4000e-004		6.8300e-003	6.8300e-003		6.8300e-003	6.8300e-003	0.0000	97.7968	97.7968	1.8700e-003	1.7900e-003	98.3780
Single Family Housing	129173	7.0000e-004	5.9500e-003	2.5300e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8932	6.8932	1.3000e-004	1.3000e-004	6.9342
<b>Total</b>		<b>0.0106</b>	<b>0.0904</b>	<b>0.0385</b>	<b>5.8000e-004</b>		<b>7.3100e-003</b>	<b>7.3100e-003</b>		<b>7.3100e-003</b>	<b>7.3100e-003</b>	<b>0.0000</b>	<b>104.6900</b>	<b>104.6900</b>	<b>2.0000e-003</b>	<b>1.9200e-003</b>	<b>105.3121</b>

**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	1.83264e+006	9.8800e-003	0.0845	0.0359	5.4000e-004		6.8300e-003	6.8300e-003		6.8300e-003	6.8300e-003	0.0000	97.7968	97.7968	1.8700e-003	1.7900e-003	98.3780
Single Family Housing	129173	7.0000e-004	5.9500e-003	2.5300e-003	4.0000e-005		4.8000e-004	4.8000e-004		4.8000e-004	4.8000e-004	0.0000	6.8932	6.8932	1.3000e-004	1.3000e-004	6.9342
<b>Total</b>		<b>0.0106</b>	<b>0.0904</b>	<b>0.0385</b>	<b>5.8000e-004</b>		<b>7.3100e-003</b>	<b>7.3100e-003</b>		<b>7.3100e-003</b>	<b>7.3100e-003</b>	<b>0.0000</b>	<b>104.6900</b>	<b>104.6900</b>	<b>2.0000e-003</b>	<b>1.9200e-003</b>	<b>105.3121</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	800214	105.2616	0.0105	2.1800e-003	106.1738
Single Family Housing	42218.9	5.5536	5.6000e-004	1.1000e-004	5.6017
<b>Total</b>		<b>110.8152</b>	<b>0.0111</b>	<b>2.2900e-003</b>	<b>111.7755</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	800214	105.2616	0.0105	2.1800e-003	106.1738
Single Family Housing	42218.9	5.5536	5.6000e-004	1.1000e-004	5.6017
<b>Total</b>		<b>110.8152</b>	<b>0.0111</b>	<b>2.2900e-003</b>	<b>111.7755</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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No Hearths Installed

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8786	0.0166	1.4362	8.0000e-005		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	2.3409	2.3409	2.2700e-003	0.0000	2.3976
Unmitigated	18.4542	0.3256	23.1099	0.0393		3.0476	3.0476		3.0476	3.0476	289.8275	83.7839	373.6114	0.2746	0.0220	387.0188

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**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	0.1233					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7694					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	17.5181	0.3091	21.6737	0.0392		3.0397	3.0397		3.0397	3.0397	289.8275	81.4430	371.2705	0.2723	0.0220	384.6212
Landscaping	0.0435	0.0166	1.4362	8.0000e-005		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	2.3409	2.3409	2.2700e-003	0.0000	2.3976
<b>Total</b>	<b>18.4542</b>	<b>0.3257</b>	<b>23.1099</b>	<b>0.0393</b>		<b>3.0476</b>	<b>3.0476</b>		<b>3.0476</b>	<b>3.0476</b>	<b>289.8275</b>	<b>83.7839</b>	<b>373.6114</b>	<b>0.2746</b>	<b>0.0220</b>	<b>387.0188</b>

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**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	0.1233					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.7119					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	0.0435	0.0166	1.4362	8.0000e-005		7.9200e-003	7.9200e-003		7.9200e-003	7.9200e-003	0.0000	2.3409	2.3409	2.2700e-003	0.0000	2.3976
<b>Total</b>	<b>0.8786</b>	<b>0.0166</b>	<b>1.4362</b>	<b>8.0000e-005</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>		<b>7.9200e-003</b>	<b>7.9200e-003</b>	<b>0.0000</b>	<b>2.3409</b>	<b>2.3409</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>2.3976</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.8827	0.2876	6.9400e-003	20.1416
Unmitigated	16.5895	0.4110	9.9400e-003	29.8256

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	12.249 / 7.72217	16.1598	0.4004	9.6800e-003	29.0529
Single Family Housing	0.32577 / 0.205377	0.4298	0.0107	2.6000e-004	0.7727
<b>Total</b>		<b>16.5895</b>	<b>0.4110</b>	<b>9.9400e-003</b>	<b>29.8256</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	8.57427 / 3.86108	10.6008	0.2802	6.7600e-003	19.6198
Single Family Housing	0.228039 / 0.102688	0.2819	7.4500e-003	1.8000e-004	0.5218
<b>Total</b>		<b>10.8827</b>	<b>0.2876</b>	<b>6.9400e-003</b>	<b>20.1416</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18.6630	1.1030	0.0000	46.2368
Unmitigated	18.6630	1.1030	0.0000	46.2368

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	86.48	17.5547	1.0375	0.0000	43.4909
Single Family Housing	5.46	1.1083	0.0655	0.0000	2.7458
<b>Total</b>		<b>18.6630</b>	<b>1.1030</b>	<b>0.0000</b>	<b>46.2368</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	86.48	17.5547	1.0375	0.0000	43.4909
Single Family Housing	5.46	1.1083	0.0655	0.0000	2.7458
<b>Total</b>		<b>18.6630</b>	<b>1.1030</b>	<b>0.0000</b>	<b>46.2368</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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3820 Chile Road (Alternative B) UnMitigated - Yolo/Solano AQMD Air District, Annual

**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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**3820 Chile Road (Alternative B) UnMitigated**  
**Yolo/Solano 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	4.35900E-002	3.00490E-001	3.03670E-001	4.90000E-004	2.09700E-002	2.09700E-002	0.00000E+000	4.21287E+001	4.21287E+001	3.53000E-003	0.00000E+000	4.22170E+001
Concrete/Industrial Saws	5.08000E-003	3.94700E-002	4.07200E-002	7.00000E-005	2.52000E-003	2.52000E-003	0.00000E+000	5.91423E+000	5.91423E+000	4.20000E-004	0.00000E+000	5.92464E+000
Cranes	7.23900E-002	8.62680E-001	3.29740E-001	8.30000E-004	3.65200E-002	3.36000E-002	0.00000E+000	7.47304E+001	7.47304E+001	2.36700E-002	0.00000E+000	7.53221E+001
Excavators	9.91000E-003	1.01910E-001	1.24000E-001	2.00000E-004	4.91000E-003	4.52000E-003	0.00000E+000	1.76200E+001	1.76200E+001	5.57000E-003	0.00000E+000	1.77594E+001
Forklifts	7.87700E-002	7.03680E-001	5.90770E-001	7.60000E-004	5.44100E-002	5.00600E-002	0.00000E+000	6.78753E+001	6.78753E+001	2.15000E-002	0.00000E+000	6.84128E+001
Generator Sets	7.28800E-002	6.20810E-001	6.14160E-001	1.09000E-003	3.70100E-002	3.70100E-002	0.00000E+000	9.32592E+001	9.32592E+001	5.87000E-003	0.00000E+000	9.34061E+001
Graders	2.43000E-003	3.29000E-002	9.19000E-003	3.00000E-005	1.06000E-003	9.70000E-004	0.00000E+000	2.98295E+000	2.98295E+000	9.40000E-004	0.00000E+000	3.00654E+000
Pavers	2.88000E-003	3.12500E-002	2.90200E-002	5.00000E-005	1.53000E-003	1.41000E-003	0.00000E+000	4.22293E+000	4.22293E+000	1.34000E-003	0.00000E+000	4.25633E+000
Paving Equipment	2.13000E-003	2.25700E-002	2.52300E-002	4.00000E-005	1.12000E-003	1.03000E-003	0.00000E+000	3.65885E+000	3.65885E+000	1.16000E-003	0.00000E+000	3.68779E+000
Rollers	2.27000E-003	2.24100E-002	1.90700E-002	3.00000E-005	1.47000E-003	1.36000E-003	0.00000E+000	2.35581E+000	2.35581E+000	7.50000E-004	0.00000E+000	2.37445E+000
Rubber Tired Dozers	4.76500E-002	5.07130E-001	1.79930E-001	3.60000E-004	2.47300E-002	2.27500E-002	0.00000E+000	3.22123E+001	3.22123E+001	1.01900E-002	0.00000E+000	3.24671E+001
Tractors/Loaders/Backhoes	1.08460E-001	1.08900E+000	1.07743E+000	1.45000E-003	7.25400E-002	6.67300E-002	0.00000E+000	1.30469E+002	1.30469E+002	4.13200E-002	0.00000E+000	1.31502E+002
Welders	6.31900E-002	2.67550E-001	2.97840E-001	4.20000E-004	1.63400E-002	1.63400E-002	0.00000E+000	3.10564E+001	3.10564E+001	5.16000E-003	0.00000E+000	3.11854E+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	4.35900E-002	3.00490E-001	3.03660E-001	4.90000E-004	2.09700E-002	2.09700E-002	0.00000E+000	4.21286E+001	4.21286E+001	3.53000E-003	0.00000E+000	4.22169E+001
Concrete/Industrial Saws	5.08000E-003	3.94700E-002	4.07200E-002	7.00000E-005	2.52000E-003	2.52000E-003	0.00000E+000	5.91422E+000	5.91422E+000	4.20000E-004	0.00000E+000	5.92463E+000
Cranes	7.23900E-002	8.62680E-001	3.29740E-001	8.30000E-004	3.65200E-002	3.36000E-002	0.00000E+000	7.47303E+001	7.47303E+001	2.36700E-002	0.00000E+000	7.53221E+001
Excavators	9.91000E-003	1.01910E-001	1.24000E-001	2.00000E-004	4.91000E-003	4.52000E-003	0.00000E+000	1.76200E+001	1.76200E+001	5.57000E-003	0.00000E+000	1.77594E+001
Forklifts	7.87700E-002	7.03680E-001	5.90770E-001	7.60000E-004	5.44100E-002	5.00600E-002	0.00000E+000	6.78752E+001	6.78752E+001	2.15000E-002	0.00000E+000	6.84127E+001
Generator Sets	7.28800E-002	6.20810E-001	6.14160E-001	1.09000E-003	3.70100E-002	3.70100E-002	0.00000E+000	9.32591E+001	9.32591E+001	5.87000E-003	0.00000E+000	9.34060E+001
Graders	2.43000E-003	3.29000E-002	9.19000E-003	3.00000E-005	1.06000E-003	9.70000E-004	0.00000E+000	2.98294E+000	2.98294E+000	9.40000E-004	0.00000E+000	3.00654E+000
Pavers	2.88000E-003	3.12500E-002	2.90200E-002	5.00000E-005	1.53000E-003	1.41000E-003	0.00000E+000	4.22292E+000	4.22292E+000	1.34000E-003	0.00000E+000	4.25633E+000
Paving Equipment	2.13000E-003	2.25700E-002	2.52300E-002	4.00000E-005	1.12000E-003	1.03000E-003	0.00000E+000	3.65885E+000	3.65885E+000	1.16000E-003	0.00000E+000	3.68779E+000
Rollers	2.27000E-003	2.24100E-002	1.90700E-002	3.00000E-005	1.47000E-003	1.36000E-003	0.00000E+000	2.35581E+000	2.35581E+000	7.50000E-004	0.00000E+000	2.37444E+000
Rubber Tired Dozers	4.76500E-002	5.07120E-001	1.79930E-001	3.60000E-004	2.47300E-002	2.27500E-002	0.00000E+000	3.22123E+001	3.22123E+001	1.01900E-002	0.00000E+000	3.24671E+001
Tractors/Loaders/Balckhoes	1.08460E-001	1.08900E+000	1.07743E+000	1.45000E-003	7.25400E-002	6.67300E-002	0.00000E+000	1.30468E+002	1.30468E+002	4.13200E-002	0.00000E+000	1.31501E+002
Welders	6.31900E-002	2.67550E-001	2.97840E-001	4.20000E-004	1.63400E-002	1.63400E-002	0.00000E+000	3.10564E+001	3.10564E+001	5.16000E-003	0.00000E+000	3.11854E+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	3.29305E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.18684E-006	1.18684E-006	0.00000E+000	0.00000E+000	1.18436E-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	1.69084E-006	1.69084E-006	0.00000E+000	0.00000E+000	1.68787E-006
Cranes	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.20433E-006	1.20433E-006	0.00000E+000	0.00000E+000	1.19487E-006
Excavators	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.13507E-006	1.13507E-006	0.00000E+000	0.00000E+000	1.12616E-006
Forklifts	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17863E-006	1.17863E-006	0.00000E+000	0.00000E+000	1.16937E-006
Generator Sets	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.17951E-006	1.17951E-006	0.00000E+000	0.00000E+000	1.17765E-006
Graders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	3.35239E-006	3.35239E-006	0.00000E+000	0.00000E+000	0.00000E+000
Pavers	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	2.36802E-006	2.36802E-006	0.00000E+000	0.00000E+000	0.00000E+000
Paving Equipment	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
Rollers	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	4.21150E-006
Rubber Tired Dozers	0.00000E+000	1.97188E-005	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	1.24176E-006	1.24176E-006	0.00000E+000	0.00000E+000	1.23202E-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	1.22635E-006	1.22635E-006	0.00000E+000	0.00000E+000	1.21672E-006
Welders	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	0.00000E+000	9.65984E-007	9.65984E-007	0.00000E+000	0.00000E+000	1.28265E-006

**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	3.37	0.34	0.03	0.01	0.99	0.98
Building Construction	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Building Construction	Roads	18.95	1.92	0.18	0.05	0.99	0.97
Demolition	Fugitive Dust	0.03	0.00	0.03	0.00	0.00	0.00
Demolition	Roads	0.31	0.03	0.00	0.00	0.99	0.97
Grading	Fugitive Dust	0.03	0.02	0.03	0.02	0.00	0.00
Grading	Roads	0.06	0.01	0.00	0.00	0.99	0.98
Paving	Fugitive Dust	0.00	0.00	0.00	0.00	0.00	0.00
Paving	Roads	0.06	0.01	0.00	0.00	0.99	0.98
Site Preparation	Fugitive Dust	0.09	0.05	0.09	0.05	0.00	0.00
Site Preparation	Roads	0.40	0.04	0.00	0.00	0.99	0.97

**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	7.48	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	4.05	4.80	8.18	10.17	9.89	9.89	0.00	10.14	10.14	5.57	0.00	10.13
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	30.00	35.79	34.40	30.02	30.18	32.47
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
Yes	Land Use	Increase Density	0.00	26.08	0.00	
Yes	Land Use	Increase Diversity	0.03	0.21		
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	0.21	0.10		
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	0.00		
No	Neighborhood Enhancements	Implement NEV Network	0.00		
	Neighborhood Enhancements	Neighborhood Enhancements Subtotal	0.02		
Yes	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			
No	Commute	Transit Subsidy			
No	Commute	Implement Employee Parking "Cash Out"	4.50		
No	Commute	Workplace Parking Charge		0.00	
No	Commute	Encourage Telecommuting and Alternative Work Schedules	0.00		
No	Commute	Market Commute Trip Reduction Option	0.00		
No	Commute	Employee Vanpool/Shuttle	0.00		2.00
No	Commute	Provide Ride Sharing Program	10.00		
	Commute	Commute Subtotal	0.00		

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

**Area Mitigation**

Measure Implemented	Mitigation Measure	Input Value
No	Only Natural Gas Hearth	
Yes	No Hearth	
Yes	Use Low VOC Cleaning Supplies	
No	Use Low VOC Paint (Residential Interior)	100.00
No	Use Low VOC Paint (Residential Exterior)	100.00
No	Use Low VOC Paint (Non-residential Interior)	150.00
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
Yes	Apply Water Conservation on Strategy	30.00	50.00
No	Use Reclaimed Water	0.00	0.00
No	Use Grey Water	0.00	
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	0.00	
No	Use Water Efficient Irrigation Systems	6.10	
No	Water Efficient Landscape	0.00	0.00

**Solid Waste Mitigation**

Mitigation Measures	Input Value
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Institute Recycling and Composting Services Percent Reduction in Waste Disposed	
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