

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

Hunter Substation Replacement Project
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	50.00	User Defined Unit	2.50	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MW hr)	1325.65	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project-specific inputs.

Construction Phase - Project-specific schedule.

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	61.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

tblConstructionPhase	NumDays	220.00	13.00
tblConstructionPhase	NumDays	220.00	2.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	220.00	61.00
tblConstructionPhase	NumDays	220.00	2.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	220.00	23.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	6.00	5.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	3.00	2.00
tblConstructionPhase	NumDays	3.00	21.00
tblConstructionPhase	NumDays	3.00	11.00
tblLandUse	LotAcreage	0.00	2.50
tblOffRoadEquipment	HorsePower	402.00	100.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	122.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	380.00	960.00
tblTripsAndVMT	HaulingTripNumber	0.00	480.00
tblTripsAndVMT	HaulingTripNumber	0.00	122.00
tblTripsAndVMT	HaulingTripNumber	0.00	116.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	HaulingTripNumber	0.00	488.00
tblTripsAndVMT	HaulingTripNumber	0.00	120.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,200.00
tblTripsAndVMT	HaulingTripNumber	0.00	120.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	95.00
tblTripsAndVMT	VendorTripNumber	0.00	95.00
tblTripsAndVMT	VendorTripNumber	0.00	125.00
tblTripsAndVMT	VendorTripNumber	0.00	210.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	30.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	3.00	8.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00

2.0 Emissions Summary

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2021	6-30-2021	0.9742	0.9742
2	7-1-2021	9-30-2021	0.7702	0.7702
3	10-1-2021	12-31-2021	0.6261	0.6261
4	1-1-2022	3-31-2022	0.5501	0.5501
5	4-1-2022	6-30-2022	0.7027	0.7027
6	7-1-2022	9-30-2022	0.4442	0.4442
		Highest	0.9742	0.9742

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	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.0000e-005	1.0000e-005	6.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003

Hunter Substation Replacement Project - South Coast 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	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.0000e-005	1.0000e-005	6.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003

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

3.0 Construction Detail

Construction Phase

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 - Mobilization & Setup	Site Preparation	4/1/2021	4/2/2021	5	2	
2	2 - Material Delivery & Inventory	Site Preparation	4/4/2021	5/3/2021	5	21	
3	3a - Grading & Site Prep (Western Parcel)	Grading	4/4/2021	4/17/2021	5	10	
4	3b - Temporary Relocation of Existing Lines	Site Preparation	4/18/2021	5/3/2021	5	11	
5	4a - Civil Survey & Marking	Building Construction	5/4/2021	5/5/2021	5	2	
6	4b - Below-Grade Civil Construction (Western Parcel)	Building Construction	5/6/2021	7/6/2021	5	44	
7	4c - Below-Grade Electrical Construction (Western Parcel)	Building Construction	7/7/2021	8/6/2021	5	23	
8	5 - Underground Distribution Getaways	Building Construction	8/7/2021	10/6/2021	5	60	
9	6a - Above-grade Structural Construction (Western Parcel)	Building Construction	10/7/2021	12/6/2021	5	60	
10	6b - Above-grade Electrical Construction (Western Parcel)	Building Construction	12/7/2021	2/6/2022	5	61	
11	7 - Sub-Transmission Getaways	Building Construction	2/7/2022	2/20/2022	5	13	
12	8 - Substation Testing, Energization, & Cutover	Building Construction	2/21/2022	2/23/2022	5	2	
13	9 - Demolition of the Old Substation	Demolition	2/24/2022	4/25/2022	5	60	
14	10 - Grading and Site Prep (Eastern Parcel)	Grading	4/26/2022	5/1/2022	5	5	
15	11 - Below-Grade Construction for the Storage Facility	Building Construction	5/2/2022	7/1/2022	5	60	
16	12 - Above-Grade Construction for the Storage Facility	Building Construction	7/2/2022	9/1/2022	5	61	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 - Mobilization & Setup	Rollers	1	6.00	80	0.38
1 - Mobilization & Setup	Rough Terrain Forklifts	1	6.00	100	0.40
1 - Mobilization & Setup	Rubber Tired Dozers	1	6.00	247	0.40
2 - Material Delivery & Inventory	Forklifts	1	2.40	89	0.20
3a - Grading & Site Prep (Western Parcel)	Graders	1	10.00	187	0.41
3a - Grading & Site Prep (Western Parcel)	Rollers	1	10.00	80	0.38
3a - Grading & Site Prep (Western Parcel)	Rubber Tired Dozers	1	10.00	247	0.40
3a - Grading & Site Prep (Western Parcel)	Scrapers	2	10.00	367	0.48
3a - Grading & Site Prep (Western Parcel)	Tractors/Loaders/Backhoes	2	10.00	97	0.37
3a - Grading & Site Prep (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
3b - Temporary Relocation of Existing Lines	Bore/Drill Rigs	1	10.00	221	0.50
3b - Temporary Relocation of Existing Lines	Cranes	1	10.00	231	0.29
3b - Temporary Relocation of Existing Lines	Rough Terrain Forklifts	1	10.00	100	0.40
4a - Civil Survey & Marking	Off-Highway Trucks	0	10.00	402	0.38
4b - Below-Grade Civil Construction (Western Parcel)	Bore/Drill Rigs	1	10.00	221	0.50
4b - Below-Grade Civil Construction (Western Parcel)	Rough Terrain Forklifts	1	10.00	100	0.40
4b - Below-Grade Civil Construction (Western Parcel)	Tractors/Loaders/Backhoes	2	10.00	97	0.37
4b - Below-Grade Civil Construction (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
4c - Below-Grade Electrical Construction (Western Parcel)	Cranes	1	10.00	231	0.29
4c - Below-Grade Electrical Construction (Western Parcel)	Excavators	1	10.00	158	0.38
4c - Below-Grade Electrical Construction (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

5 - Underground Distribution Getaways	Cranes	1	10.00	231	0.29
5 - Underground Distribution Getaways	Tractors/Loaders/Backhoes	2	10.00	97	0.37
6a - Above-grade Structural Construction (Western Parcel)	Cranes	1	12.00	231	0.29
6b - Above-grade Electrical Construction (Western Parcel)	Off-Highway Trucks	1	24.00	100	0.38
7 - Sub-Transmission Getaways	Bore/Drill Rigs	1	10.00	221	0.50
7 - Sub-Transmission Getaways	Cranes	1	10.00	231	0.29
8 - Substation Testing, Energization, & Cutover	Off-Highway Trucks	0	10.00	402	0.38
9 - Demolition of the Old Substation	Cranes	1	6.00	231	0.29
9 - Demolition of the Old Substation	Excavators	2	6.00	158	0.38
9 - Demolition of the Old Substation	Excavators	1	10.00	158	0.38
9 - Demolition of the Old Substation	Rough Terrain Forklifts	1	6.00	100	0.40
10 - Grading and Site Prep (Eastern Parcel)	Graders	1	10.00	187	0.41
10 - Grading and Site Prep (Eastern Parcel)	Rollers	1	10.00	80	0.38
10 - Grading and Site Prep (Eastern Parcel)	Rubber Tired Dozers	1	10.00	247	0.40
10 - Grading and Site Prep (Eastern Parcel)	Scrapers	1	10.00	367	0.48
10 - Grading and Site Prep (Eastern Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
10 - Grading and Site Prep (Eastern Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
11 - Below-Grade Construction for the Storage Facility	Bore/Drill Rigs	1	10.00	221	0.50
11 - Below-Grade Construction for the Storage Facility	Tractors/Loaders/Backhoes	2	10.00	97	0.37
11 - Below-Grade Construction for the Storage Facility	Tractors/Loaders/Backhoes	1	10.00	97	0.37
12 - Above-Grade Construction for the Storage Facility	Cranes	1	12.00	231	0.29

Trips and VMT

Hunter Substation Replacement Project - South Coast 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
1 - Mobilization & Setup	3	10.00	95.00	4.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
2 - Material Delivery & Inventory	1	8.00	30.00	116.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
3a - Grading & Site Prep (Western Parcel)	8	16.00	50.00	104.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
3b - Temporary Relocation of Existing	3	10.00	75.00	30.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4a - Civil Survey & Marking	0	6.00	30.00	0.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4b - Below-Grade Civil Construction (Western)	5	20.00	95.00	488.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4c - Below-Grade Electrical Construction	3	16.00	95.00	120.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
5 - Underground Distribution Gateways	3	20.00	125.00	1,200.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
6a - Above-grade Structural Construction	1	20.00	210.00	120.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
6b - Above-grade Electrical Construction	1	30.00	141.00	122.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
7 - Sub-Transmission Gateways	2	10.00	171.00	26.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
8 - Substation Testing, Energization, & Outage	0	12.00	171.00	0.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
9 - Demolition of the Old Substation	5	20.00	161.00	960.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
10 - Grading and Site Prep (Eastern Parcel)	6	16.00	65.00	40.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
11 - Below-Grade Construction for the St	4	20.00	95.00	480.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
12 - Above-Grade Construction for the St	1	16.00	192.00	122.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.2 1 - Mobilization & Setup - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.0200e-003	0.0109	6.1600e-003	1.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	0.9629	0.9629	3.1000e-004	0.0000	0.9707
Total	1.0200e-003	0.0109	6.1600e-003	1.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	0.9629	0.9629	3.1000e-004	0.0000	0.9707

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	1.0000e-005	5.2000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1493	0.1493	1.0000e-005	0.0000	0.1496
Vendor	1.5000e-004	6.1200e-003	1.4500e-003	1.0000e-005	9.0000e-005	0.0000	9.0000e-005	3.0000e-005	0.0000	3.0000e-005	0.0000	0.7776	0.7776	1.0000e-004	0.0000	0.7801
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0956	0.0956	0.0000	0.0000	0.0956
Total	2.0000e-004	6.6700e-003	1.9100e-003	1.0000e-005	2.3000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.0226	1.0226	1.1000e-004	0.0000	1.0253

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.2 1 - Mobilization & Setup - 2021

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	1.0200e-003	0.0109	6.1600e-003	1.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	0.9629	0.9629	3.1000e-004	0.0000	0.9707
Total	1.0200e-003	0.0109	6.1600e-003	1.0000e-005		5.3000e-004	5.3000e-004		4.9000e-004	4.9000e-004	0.0000	0.9629	0.9629	3.1000e-004	0.0000	0.9707

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	1.0000e-005	5.2000e-004	1.1000e-004	0.0000	3.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.1493	0.1493	1.0000e-005	0.0000	0.1496
Vendor	1.5000e-004	6.1200e-003	1.4500e-003	1.0000e-005	9.0000e-005	0.0000	9.0000e-005	3.0000e-005	0.0000	3.0000e-005	0.0000	0.7776	0.7776	1.0000e-004	0.0000	0.7801
Worker	4.0000e-005	3.0000e-005	3.5000e-004	0.0000	1.1000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0956	0.0956	0.0000	0.0000	0.0956
Total	2.0000e-004	6.6700e-003	1.9100e-003	1.0000e-005	2.3000e-004	0.0000	2.4000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	1.0226	1.0226	1.1000e-004	0.0000	1.0253

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.3 2 - Material Delivery & Inventory - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.1000e-004	3.7100e-003	3.6800e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4230	0.4230	1.4000e-004	0.0000	0.4264
Total	4.1000e-004	3.7100e-003	3.6800e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4230	0.4230	1.4000e-004	0.0000	0.4264

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	4.3000e-004	0.0151	3.2100e-003	4.0000e-005	1.0000e-003	5.0000e-005	1.0400e-003	2.7000e-004	4.0000e-005	3.2000e-004	0.0000	4.3309	4.3309	3.0000e-004	0.0000	4.3383
Vendor	5.0000e-004	0.0203	4.8200e-003	3.0000e-005	2.9000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	2.5785	2.5785	3.2000e-004	0.0000	2.5865
Worker	3.5000e-004	2.6000e-004	2.9300e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8028	0.8028	2.0000e-005	0.0000	0.8033
Total	1.2800e-003	0.0357	0.0110	8.0000e-005	2.2100e-003	7.0000e-005	2.2800e-003	6.0000e-004	6.0000e-005	6.7000e-004	0.0000	7.7121	7.7121	6.4000e-004	0.0000	7.7280

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.3 2 - Material Delivery & Inventory - 2021

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	4.1000e-004	3.7100e-003	3.6800e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4230	0.4230	1.4000e-004	0.0000	0.4264
Total	4.1000e-004	3.7100e-003	3.6800e-003	0.0000		2.6000e-004	2.6000e-004		2.4000e-004	2.4000e-004	0.0000	0.4230	0.4230	1.4000e-004	0.0000	0.4264

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	4.3000e-004	0.0151	3.2100e-003	4.0000e-005	1.0000e-003	5.0000e-005	1.0400e-003	2.7000e-004	4.0000e-005	3.2000e-004	0.0000	4.3309	4.3309	3.0000e-004	0.0000	4.3383
Vendor	5.0000e-004	0.0203	4.8200e-003	3.0000e-005	2.9000e-004	1.0000e-005	3.1000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	2.5785	2.5785	3.2000e-004	0.0000	2.5865
Worker	3.5000e-004	2.6000e-004	2.9300e-003	1.0000e-005	9.2000e-004	1.0000e-005	9.3000e-004	2.4000e-004	1.0000e-005	2.5000e-004	0.0000	0.8028	0.8028	2.0000e-005	0.0000	0.8033
Total	1.2800e-003	0.0357	0.0110	8.0000e-005	2.2100e-003	7.0000e-005	2.2800e-003	6.0000e-004	6.0000e-005	6.7000e-004	0.0000	7.7121	7.7121	6.4000e-004	0.0000	7.7280

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.4 3a - Grading & Site Prep (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.8000e-004	0.0000	7.8000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0257	0.2870	0.1780	3.6000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	31.5340	31.5340	0.0102	0.0000	31.7890
Total	0.0257	0.2870	0.1780	3.6000e-004	7.8000e-004	0.0125	0.0133	9.0000e-005	0.0115	0.0116	0.0000	31.5340	31.5340	0.0102	0.0000	31.7890

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0136	2.8700e-003	4.0000e-005	8.9000e-004	4.0000e-005	9.4000e-004	2.5000e-004	4.0000e-005	2.8000e-004	0.0000	3.8828	3.8828	2.7000e-004	0.0000	3.8895
Vendor	4.0000e-004	0.0161	3.8200e-003	2.0000e-005	2.3000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0464	2.0464	2.5000e-004	0.0000	2.0528
Worker	3.3000e-004	2.5000e-004	2.7900e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7645	0.7645	2.0000e-005	0.0000	0.7650
Total	1.1100e-003	0.0299	9.4800e-003	7.0000e-005	2.0000e-003	6.0000e-005	2.0700e-003	5.5000e-004	6.0000e-005	6.0000e-004	0.0000	6.6938	6.6938	5.4000e-004	0.0000	6.7073

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.4 3a - Grading & Site Prep (Western Parcel) - 2021

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					7.8000e-004	0.0000	7.8000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0257	0.2870	0.1780	3.6000e-004		0.0125	0.0125		0.0115	0.0115	0.0000	31.5340	31.5340	0.0102	0.0000	31.7890
Total	0.0257	0.2870	0.1780	3.6000e-004	7.8000e-004	0.0125	0.0133	9.0000e-005	0.0115	0.0116	0.0000	31.5340	31.5340	0.0102	0.0000	31.7890

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.8000e-004	0.0136	2.8700e-003	4.0000e-005	8.9000e-004	4.0000e-005	9.4000e-004	2.5000e-004	4.0000e-005	2.8000e-004	0.0000	3.8828	3.8828	2.7000e-004	0.0000	3.8895
Vendor	4.0000e-004	0.0161	3.8200e-003	2.0000e-005	2.3000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0464	2.0464	2.5000e-004	0.0000	2.0528
Worker	3.3000e-004	2.5000e-004	2.7900e-003	1.0000e-005	8.8000e-004	1.0000e-005	8.8000e-004	2.3000e-004	1.0000e-005	2.4000e-004	0.0000	0.7645	0.7645	2.0000e-005	0.0000	0.7650
Total	1.1100e-003	0.0299	9.4800e-003	7.0000e-005	2.0000e-003	6.0000e-005	2.0700e-003	5.5000e-004	6.0000e-005	6.0000e-004	0.0000	6.6938	6.6938	5.4000e-004	0.0000	6.7073

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.5 3b - Temporary Relocation of Existing Lines - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.4600e-003	0.0652	0.0437	1.3000e-004		2.4100e-003	2.4100e-003		2.2200e-003	2.2200e-003	0.0000	11.2549	11.2549	3.6400e-003	0.0000	11.3459
Total	5.4600e-003	0.0652	0.0437	1.3000e-004		2.4100e-003	2.4100e-003		2.2200e-003	2.2200e-003	0.0000	11.2549	11.2549	3.6400e-003	0.0000	11.3459

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	1.1000e-004	3.9100e-003	8.3000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1201	1.1201	8.0000e-005	0.0000	1.1220
Vendor	6.5000e-004	0.0266	6.3100e-003	3.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	3.3766	3.3766	4.2000e-004	0.0000	3.3870
Worker	2.3000e-004	1.7000e-004	1.9200e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5256	0.5256	1.0000e-005	0.0000	0.5260
Total	9.9000e-004	0.0306	9.0600e-003	5.0000e-005	1.2500e-003	3.0000e-005	1.2900e-003	3.4000e-004	3.0000e-005	3.7000e-004	0.0000	5.0223	5.0223	5.1000e-004	0.0000	5.0350

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.5 3b - Temporary Relocation of Existing Lines - 2021

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	5.4600e-003	0.0652	0.0437	1.3000e-004		2.4100e-003	2.4100e-003		2.2200e-003	2.2200e-003	0.0000	11.2549	11.2549	3.6400e-003	0.0000	11.3459
Total	5.4600e-003	0.0652	0.0437	1.3000e-004		2.4100e-003	2.4100e-003		2.2200e-003	2.2200e-003	0.0000	11.2549	11.2549	3.6400e-003	0.0000	11.3459

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	1.1000e-004	3.9100e-003	8.3000e-004	1.0000e-005	2.6000e-004	1.0000e-005	2.7000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	1.1201	1.1201	8.0000e-005	0.0000	1.1220
Vendor	6.5000e-004	0.0266	6.3100e-003	3.0000e-005	3.9000e-004	2.0000e-005	4.1000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	3.3766	3.3766	4.2000e-004	0.0000	3.3870
Worker	2.3000e-004	1.7000e-004	1.9200e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5256	0.5256	1.0000e-005	0.0000	0.5260
Total	9.9000e-004	0.0306	9.0600e-003	5.0000e-005	1.2500e-003	3.0000e-005	1.2900e-003	3.4000e-004	3.0000e-005	3.7000e-004	0.0000	5.0223	5.0223	5.1000e-004	0.0000	5.0350

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.6 4a - Civil Survey & Marking - 2021

Unmitigated Construction On-Site

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

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	5.0000e-005	1.9300e-003	4.6000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2456	0.2456	3.0000e-005	0.0000	0.2463
Worker	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0573	0.0573	0.0000	0.0000	0.0574
Total	8.0000e-005	1.9500e-003	6.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3029	0.3029	3.0000e-005	0.0000	0.3037

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.6 4a - Civil Survey & Marking - 2021

Mitigated Construction On-Site

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

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive 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	5.0000e-005	1.9300e-003	4.6000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.2456	0.2456	3.0000e-005	0.0000	0.2463
Worker	3.0000e-005	2.0000e-005	2.1000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0573	0.0573	0.0000	0.0000	0.0574
Total	8.0000e-005	1.9500e-003	6.7000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.3029	0.3029	3.0000e-005	0.0000	0.3037

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.7 4b - Below-Grade Civil Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2000e-004	0.0000	2.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0259	0.2839	0.3066	6.1000e-004		0.0135	0.0135		0.0124	0.0124	0.0000	53.6007	53.6007	0.0173	0.0000	54.0341
Total	0.0259	0.2839	0.3066	6.1000e-004	2.2000e-004	0.0135	0.0137	3.0000e-005	0.0124	0.0124	0.0000	53.6007	53.6007	0.0173	0.0000	54.0341

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	1.7900e-003	0.0636	0.0135	1.9000e-004	4.2000e-003	1.9000e-004	4.3900e-003	1.1500e-003	1.8000e-004	1.3400e-003	0.0000	18.2195	18.2195	1.2500e-003	0.0000	18.2507
Vendor	3.3200e-003	0.1346	0.0320	1.8000e-004	1.9600e-003	1.0000e-004	2.0500e-003	5.7000e-004	9.0000e-005	6.6000e-004	0.0000	17.1081	17.1081	2.1200e-003	0.0000	17.1610
Worker	1.8300e-003	1.3600e-003	0.0153	5.0000e-005	4.8300e-003	4.0000e-005	4.8600e-003	1.2800e-003	3.0000e-005	1.3200e-003	0.0000	4.2049	4.2049	1.1000e-004	0.0000	4.2077
Total	6.9400e-003	0.1995	0.0608	4.2000e-004	0.0110	3.3000e-004	0.0113	3.0000e-003	3.0000e-004	3.3200e-003	0.0000	39.5325	39.5325	3.4800e-003	0.0000	39.6194

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.7 4b - Below-Grade Civil Construction (Western Parcel) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2000e-004	0.0000	2.2000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0259	0.2839	0.3066	6.1000e-004		0.0135	0.0135		0.0124	0.0124	0.0000	53.6006	53.6006	0.0173	0.0000	54.0340
Total	0.0259	0.2839	0.3066	6.1000e-004	2.2000e-004	0.0135	0.0137	3.0000e-005	0.0124	0.0124	0.0000	53.6006	53.6006	0.0173	0.0000	54.0340

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	1.7900e-003	0.0636	0.0135	1.9000e-004	4.2000e-003	1.9000e-004	4.3900e-003	1.1500e-003	1.8000e-004	1.3400e-003	0.0000	18.2195	18.2195	1.2500e-003	0.0000	18.2507
Vendor	3.3200e-003	0.1346	0.0320	1.8000e-004	1.9600e-003	1.0000e-004	2.0500e-003	5.7000e-004	9.0000e-005	6.6000e-004	0.0000	17.1081	17.1081	2.1200e-003	0.0000	17.1610
Worker	1.8300e-003	1.3600e-003	0.0153	5.0000e-005	4.8300e-003	4.0000e-005	4.8600e-003	1.2800e-003	3.0000e-005	1.3200e-003	0.0000	4.2049	4.2049	1.1000e-004	0.0000	4.2077
Total	6.9400e-003	0.1995	0.0608	4.2000e-004	0.0110	3.3000e-004	0.0113	3.0000e-003	3.0000e-004	3.3200e-003	0.0000	39.5325	39.5325	3.4800e-003	0.0000	39.6194

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.8 4c - Below-Grade Electrical Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0119	0.1279	0.1080	2.0000e-004		5.9400e-003	5.9400e-003		5.4600e-003	5.4600e-003	0.0000	17.7333	17.7333	5.7400e-003	0.0000	17.8766
Total	0.0119	0.1279	0.1080	2.0000e-004		5.9400e-003	5.9400e-003		5.4600e-003	5.4600e-003	0.0000	17.7333	17.7333	5.7400e-003	0.0000	17.8766

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	4.4000e-004	0.0156	3.3200e-003	5.0000e-005	1.0300e-003	5.0000e-005	1.0800e-003	2.8000e-004	5.0000e-005	3.3000e-004	0.0000	4.4802	4.4802	3.1000e-004	0.0000	4.4879
Vendor	1.7300e-003	0.0704	0.0167	9.0000e-005	1.0200e-003	5.0000e-005	1.0700e-003	3.0000e-004	5.0000e-005	3.5000e-004	0.0000	8.9429	8.9429	1.1100e-003	0.0000	8.9705
Worker	7.7000e-004	5.7000e-004	6.4100e-003	2.0000e-005	2.0200e-003	2.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.7584	1.7584	5.0000e-005	0.0000	1.7596
Total	2.9400e-003	0.0866	0.0264	1.6000e-004	4.0700e-003	1.2000e-004	4.1800e-003	1.1200e-003	1.1000e-004	1.2300e-003	0.0000	15.1815	15.1815	1.4700e-003	0.0000	15.2180

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.8 4c - Below-Grade Electrical Construction (Western Parcel) - 2021

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	0.0119	0.1279	0.1080	2.0000e-004		5.9400e-003	5.9400e-003		5.4600e-003	5.4600e-003	0.0000	17.7332	17.7332	5.7400e-003	0.0000	17.8766
Total	0.0119	0.1279	0.1080	2.0000e-004		5.9400e-003	5.9400e-003		5.4600e-003	5.4600e-003	0.0000	17.7332	17.7332	5.7400e-003	0.0000	17.8766

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	4.4000e-004	0.0156	3.3200e-003	5.0000e-005	1.0300e-003	5.0000e-005	1.0800e-003	2.8000e-004	5.0000e-005	3.3000e-004	0.0000	4.4802	4.4802	3.1000e-004	0.0000	4.4879
Vendor	1.7300e-003	0.0704	0.0167	9.0000e-005	1.0200e-003	5.0000e-005	1.0700e-003	3.0000e-004	5.0000e-005	3.5000e-004	0.0000	8.9429	8.9429	1.1100e-003	0.0000	8.9705
Worker	7.7000e-004	5.7000e-004	6.4100e-003	2.0000e-005	2.0200e-003	2.0000e-005	2.0300e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.7584	1.7584	5.0000e-005	0.0000	1.7596
Total	2.9400e-003	0.0866	0.0264	1.6000e-004	4.0700e-003	1.2000e-004	4.1800e-003	1.1200e-003	1.1000e-004	1.2300e-003	0.0000	15.1815	15.1815	1.4700e-003	0.0000	15.2180

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.9 5 - Underground Distribution Getaways - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-004	0.0000	3.9000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.2322	0.1748	3.2000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	28.2946	28.2946	9.1500e-003	0.0000	28.5234
Total	0.0212	0.2322	0.1748	3.2000e-004	3.9000e-004	0.0113	0.0117	6.0000e-005	0.0104	0.0105	0.0000	28.2946	28.2946	9.1500e-003	0.0000	28.5234

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1600e-003	0.1121	0.0238	3.3000e-004	9.5900e-003	3.4000e-004	9.9300e-003	2.5700e-003	3.2000e-004	2.8900e-003	0.0000	32.1081	32.1081	2.2000e-003	0.0000	32.1630
Vendor	4.2700e-003	0.1731	0.0411	2.3000e-004	2.5200e-003	1.3000e-004	2.6400e-003	7.3000e-004	1.2000e-004	8.5000e-004	0.0000	21.9991	21.9991	2.7200e-003	0.0000	22.0671
Worker	1.7900e-003	1.3200e-003	0.0150	5.0000e-005	4.7200e-003	4.0000e-005	4.7500e-003	1.2500e-003	3.0000e-005	1.2900e-003	0.0000	4.1093	4.1093	1.1000e-004	0.0000	4.1121
Total	9.2200e-003	0.2864	0.0798	6.1000e-004	0.0168	5.1000e-004	0.0173	4.5500e-003	4.7000e-004	5.0300e-003	0.0000	58.2165	58.2165	5.0300e-003	0.0000	58.3422

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.9 5 - Underground Distribution Getaways - 2021

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					3.9000e-004	0.0000	3.9000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0212	0.2322	0.1748	3.2000e-004		0.0113	0.0113		0.0104	0.0104	0.0000	28.2946	28.2946	9.1500e-003	0.0000	28.5234
Total	0.0212	0.2322	0.1748	3.2000e-004	3.9000e-004	0.0113	0.0117	6.0000e-005	0.0104	0.0105	0.0000	28.2946	28.2946	9.1500e-003	0.0000	28.5234

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1600e-003	0.1121	0.0238	3.3000e-004	9.5900e-003	3.4000e-004	9.9300e-003	2.5700e-003	3.2000e-004	2.8900e-003	0.0000	32.1081	32.1081	2.2000e-003	0.0000	32.1630
Vendor	4.2700e-003	0.1731	0.0411	2.3000e-004	2.5200e-003	1.3000e-004	2.6400e-003	7.3000e-004	1.2000e-004	8.5000e-004	0.0000	21.9991	21.9991	2.7200e-003	0.0000	22.0671
Worker	1.7900e-003	1.3200e-003	0.0150	5.0000e-005	4.7200e-003	4.0000e-005	4.7500e-003	1.2500e-003	3.0000e-005	1.2900e-003	0.0000	4.1093	4.1093	1.1000e-004	0.0000	4.1121
Total	9.2200e-003	0.2864	0.0798	6.1000e-004	0.0168	5.1000e-004	0.0173	4.5500e-003	4.7000e-004	5.0300e-003	0.0000	58.2165	58.2165	5.0300e-003	0.0000	58.3422

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.10 6a - Above-grade Structural Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0133	0.1564	0.0640	1.9000e-004		6.3500e-003	6.3500e-003		5.8400e-003	5.8400e-003	0.0000	16.3469	16.3469	5.2900e-003	0.0000	16.4790
Total	0.0133	0.1564	0.0640	1.9000e-004		6.3500e-003	6.3500e-003		5.8400e-003	5.8400e-003	0.0000	16.3469	16.3469	5.2900e-003	0.0000	16.4790

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0112	2.3800e-003	3.0000e-005	9.6000e-004	3.0000e-005	9.9000e-004	2.6000e-004	3.0000e-005	2.9000e-004	0.0000	3.2108	3.2108	2.2000e-004	0.0000	3.2163
Vendor	7.1700e-003	0.2907	0.0690	3.8000e-004	4.2300e-003	2.1000e-004	4.4400e-003	1.2300e-003	2.0000e-004	1.4300e-003	0.0000	36.9584	36.9584	4.5700e-003	0.0000	37.0727
Worker	1.7900e-003	1.3200e-003	0.0150	5.0000e-005	4.7200e-003	4.0000e-005	4.7500e-003	1.2500e-003	3.0000e-005	1.2900e-003	0.0000	4.1093	4.1093	1.1000e-004	0.0000	4.1121
Total	9.2800e-003	0.3033	0.0864	4.6000e-004	9.9100e-003	2.8000e-004	0.0102	2.7400e-003	2.6000e-004	3.0100e-003	0.0000	44.2786	44.2786	4.9000e-003	0.0000	44.4011

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.10 6a - Above-grade Structural Construction (Western Parcel) - 2021

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	0.0133	0.1564	0.0640	1.9000e-004		6.3500e-003	6.3500e-003		5.8400e-003	5.8400e-003	0.0000	16.3468	16.3468	5.2900e-003	0.0000	16.4790
Total	0.0133	0.1564	0.0640	1.9000e-004		6.3500e-003	6.3500e-003		5.8400e-003	5.8400e-003	0.0000	16.3468	16.3468	5.2900e-003	0.0000	16.4790

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.2000e-004	0.0112	2.3800e-003	3.0000e-005	9.6000e-004	3.0000e-005	9.9000e-004	2.6000e-004	3.0000e-005	2.9000e-004	0.0000	3.2108	3.2108	2.2000e-004	0.0000	3.2163
Vendor	7.1700e-003	0.2907	0.0690	3.8000e-004	4.2300e-003	2.1000e-004	4.4400e-003	1.2300e-003	2.0000e-004	1.4300e-003	0.0000	36.9584	36.9584	4.5700e-003	0.0000	37.0727
Worker	1.7900e-003	1.3200e-003	0.0150	5.0000e-005	4.7200e-003	4.0000e-005	4.7500e-003	1.2500e-003	3.0000e-005	1.2900e-003	0.0000	4.1093	4.1093	1.1000e-004	0.0000	4.1121
Total	9.2800e-003	0.3033	0.0864	4.6000e-004	9.9100e-003	2.8000e-004	0.0102	2.7400e-003	2.6000e-004	3.0100e-003	0.0000	44.2786	44.2786	4.9000e-003	0.0000	44.4011

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	4.9500e-003	1.0500e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.9000e-004	2.2000e-004	1.0000e-005	2.4000e-004	0.0000	1.4187	1.4187	1.0000e-004	0.0000	1.4212
Vendor	2.1300e-003	0.0863	0.0205	1.1000e-004	1.2500e-003	6.0000e-005	1.3200e-003	3.6000e-004	6.0000e-005	4.2000e-004	0.0000	10.9647	10.9647	1.3600e-003	0.0000	10.9986
Worker	1.1900e-003	8.8000e-004	9.9300e-003	3.0000e-005	3.1300e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7236	2.7236	7.0000e-005	0.0000	2.7255
Total	3.4600e-003	0.0921	0.0315	1.5000e-004	5.2500e-003	9.0000e-005	5.3600e-003	1.4100e-003	9.0000e-005	1.5100e-003	0.0000	15.1071	15.1071	1.5300e-003	0.0000	15.1453

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-004	4.9500e-003	1.0500e-003	1.0000e-005	8.7000e-004	1.0000e-005	8.9000e-004	2.2000e-004	1.0000e-005	2.4000e-004	0.0000	1.4187	1.4187	1.0000e-004	0.0000	1.4212
Vendor	2.1300e-003	0.0863	0.0205	1.1000e-004	1.2500e-003	6.0000e-005	1.3200e-003	3.6000e-004	6.0000e-005	4.2000e-004	0.0000	10.9647	10.9647	1.3600e-003	0.0000	10.9986
Worker	1.1900e-003	8.8000e-004	9.9300e-003	3.0000e-005	3.1300e-003	2.0000e-005	3.1500e-003	8.3000e-004	2.0000e-005	8.5000e-004	0.0000	2.7236	2.7236	7.0000e-005	0.0000	2.7255
Total	3.4600e-003	0.0921	0.0315	1.5000e-004	5.2500e-003	9.0000e-005	5.3600e-003	1.4100e-003	9.0000e-005	1.5100e-003	0.0000	15.1071	15.1071	1.5300e-003	0.0000	15.1453

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	6.0100e-003	1.3600e-003	2.0000e-005	9.0000e-004	2.0000e-005	9.1000e-004	2.3000e-004	2.0000e-005	2.5000e-004	0.0000	1.8446	1.8446	1.3000e-004	0.0000	1.8477
Vendor	2.6000e-003	0.1101	0.0252	1.5000e-004	1.6500e-003	7.0000e-005	1.7200e-003	4.8000e-004	7.0000e-005	5.5000e-004	0.0000	14.3034	14.3034	1.6900e-003	0.0000	14.3456
Worker	1.4700e-003	1.0400e-003	0.0121	4.0000e-005	4.1100e-003	3.0000e-005	4.1400e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.4552	3.4552	9.0000e-005	0.0000	3.4574
Total	4.2400e-003	0.1172	0.0386	2.1000e-004	6.6600e-003	1.2000e-004	6.7700e-003	1.8000e-003	1.2000e-004	1.9200e-003	0.0000	19.6033	19.6033	1.9100e-003	0.0000	19.6508

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7000e-004	6.0100e-003	1.3600e-003	2.0000e-005	9.0000e-004	2.0000e-005	9.1000e-004	2.3000e-004	2.0000e-005	2.5000e-004	0.0000	1.8446	1.8446	1.3000e-004	0.0000	1.8477
Vendor	2.6000e-003	0.1101	0.0252	1.5000e-004	1.6500e-003	7.0000e-005	1.7200e-003	4.8000e-004	7.0000e-005	5.5000e-004	0.0000	14.3034	14.3034	1.6900e-003	0.0000	14.3456
Worker	1.4700e-003	1.0400e-003	0.0121	4.0000e-005	4.1100e-003	3.0000e-005	4.1400e-003	1.0900e-003	3.0000e-005	1.1200e-003	0.0000	3.4552	3.4552	9.0000e-005	0.0000	3.4574
Total	4.2400e-003	0.1172	0.0386	2.1000e-004	6.6600e-003	1.2000e-004	6.7700e-003	1.8000e-003	1.2000e-004	1.9200e-003	0.0000	19.6033	19.6033	1.9100e-003	0.0000	19.6508

3.12 7 - Sub-Transmission Getaways - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.7300e-003	0.0403	0.0246	1.0000e-004		1.5400e-003	1.5400e-003		1.4200e-003	1.4200e-003	0.0000	8.3483	8.3483	2.7000e-003	0.0000	8.4158
Total	3.7300e-003	0.0403	0.0246	1.0000e-004		1.5400e-003	1.5400e-003		1.4200e-003	1.4200e-003	0.0000	8.3483	8.3483	2.7000e-003	0.0000	8.4158

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.12 7 - Sub-Transmission Getaways - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.0000e-005	2.4100e-003	5.5000e-004	1.0000e-005	2.1000e-004	1.0000e-005	2.2000e-004	6.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.7378	0.7378	5.0000e-005	0.0000	0.7391
Vendor	1.2600e-003	0.0534	0.0122	7.0000e-005	8.0000e-004	3.0000e-005	8.3000e-004	2.3000e-004	3.0000e-005	2.7000e-004	0.0000	6.9387	6.9387	8.2000e-004	0.0000	6.9592
Worker	2.0000e-004	1.4000e-004	1.6100e-003	1.0000e-005	5.5000e-004	0.0000	5.5000e-004	1.5000e-004	0.0000	1.5000e-004	0.0000	0.4607	0.4607	1.0000e-005	0.0000	0.4610
Total	1.5300e-003	0.0560	0.0144	9.0000e-005	1.5600e-003	4.0000e-005	1.6000e-003	4.4000e-004	4.0000e-005	4.8000e-004	0.0000	8.1372	8.1372	8.8000e-004	0.0000	8.1593

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	3.7300e-003	0.0403	0.0246	1.0000e-004		1.5400e-003	1.5400e-003		1.4200e-003	1.4200e-003	0.0000	8.3483	8.3483	2.7000e-003	0.0000	8.4158
Total	3.7300e-003	0.0403	0.0246	1.0000e-004		1.5400e-003	1.5400e-003		1.4200e-003	1.4200e-003	0.0000	8.3483	8.3483	2.7000e-003	0.0000	8.4158

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.13 8 - Substation Testing, Energization, & Cutover - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e-004	0.0160	3.6600e-003	2.0000e-005	2.4000e-004	1.0000e-005	2.5000e-004	7.0000e-005	1.0000e-005	8.0000e-005	0.0000	2.0816	2.0816	2.5000e-004	0.0000	2.0878
Worker	7.0000e-005	5.0000e-005	5.8000e-004	0.0000	2.0000e-004	0.0000	2.0000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1659	0.1659	0.0000	0.0000	0.1660
Total	4.5000e-004	0.0161	4.2400e-003	2.0000e-005	4.4000e-004	1.0000e-005	4.5000e-004	1.2000e-004	1.0000e-005	1.3000e-004	0.0000	2.2475	2.2475	2.5000e-004	0.0000	2.2537

3.14 9 - Demolition of the Old Substation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0295	0.0000	0.0295	4.4600e-003	0.0000	4.4600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0198	0.1964	0.2599	4.5000e-004		8.7100e-003	8.7100e-003		8.0200e-003	8.0200e-003	0.0000	39.8765	39.8765	0.0129	0.0000	40.1989
Total	0.0198	0.1964	0.2599	4.5000e-004	0.0295	8.7100e-003	0.0382	4.4600e-003	8.0200e-003	0.0125	0.0000	39.8765	39.8765	0.0129	0.0000	40.1989

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.14 9 - Demolition of the Old Substation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.4000e-003	0.0828	0.0188	2.6000e-004	7.6700e-003	2.3000e-004	7.9100e-003	2.0600e-003	2.2000e-004	2.2800e-003	0.0000	25.3818	25.3818	1.7300e-003	0.0000	25.4249
Vendor	5.1100e-003	0.2163	0.0494	2.9000e-004	3.2400e-003	1.4000e-004	3.3800e-003	9.4000e-004	1.3000e-004	1.0800e-003	0.0000	28.0915	28.0915	3.3200e-003	0.0000	28.1744
Worker	1.6800e-003	1.2000e-003	0.0138	4.0000e-005	4.7200e-003	3.0000e-005	4.7500e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.9620	3.9620	1.0000e-004	0.0000	3.9645
Total	9.1900e-003	0.3003	0.0821	5.9000e-004	0.0156	4.0000e-004	0.0160	4.2500e-003	3.8000e-004	4.6400e-003	0.0000	57.4353	57.4353	5.1500e-003	0.0000	57.5639

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					0.0295	0.0000	0.0295	4.4600e-003	0.0000	4.4600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0198	0.1964	0.2599	4.5000e-004		8.7100e-003	8.7100e-003		8.0200e-003	8.0200e-003	0.0000	39.8765	39.8765	0.0129	0.0000	40.1989
Total	0.0198	0.1964	0.2599	4.5000e-004	0.0295	8.7100e-003	0.0382	4.4600e-003	8.0200e-003	0.0125	0.0000	39.8765	39.8765	0.0129	0.0000	40.1989

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.14 9 - Demolition of the Old Substation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.4000e-003	0.0828	0.0188	2.6000e-004	7.6700e-003	2.3000e-004	7.9100e-003	2.0600e-003	2.2000e-004	2.2800e-003	0.0000	25.3818	25.3818	1.7300e-003	0.0000	25.4249
Vendor	5.1100e-003	0.2163	0.0494	2.9000e-004	3.2400e-003	1.4000e-004	3.3800e-003	9.4000e-004	1.3000e-004	1.0800e-003	0.0000	28.0915	28.0915	3.3200e-003	0.0000	28.1744
Worker	1.6800e-003	1.2000e-003	0.0138	4.0000e-005	4.7200e-003	3.0000e-005	4.7500e-003	1.2500e-003	3.0000e-005	1.2800e-003	0.0000	3.9620	3.9620	1.0000e-004	0.0000	3.9645
Total	9.1900e-003	0.3003	0.0821	5.9000e-004	0.0156	4.0000e-004	0.0160	4.2500e-003	3.8000e-004	4.6400e-003	0.0000	57.4353	57.4353	5.1500e-003	0.0000	57.5639

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.9000e-004	0.0000	4.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4200e-003	0.0702	0.0450	1.0000e-004		3.0300e-003	3.0300e-003		2.7900e-003	2.7900e-003	0.0000	8.6074	8.6074	2.7800e-003	0.0000	8.6769
Total	6.4200e-003	0.0702	0.0450	1.0000e-004	4.9000e-004	3.0300e-003	3.5200e-003	5.0000e-005	2.7900e-003	2.8400e-003	0.0000	8.6074	8.6074	2.7800e-003	0.0000	8.6769

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.8500e-003	8.7000e-004	1.0000e-005	3.3000e-004	1.0000e-005	3.4000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1806	1.1806	8.0000e-005	0.0000	1.1826
Vendor	1.9000e-004	8.1200e-003	1.8600e-003	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	1.0550	1.0550	1.2000e-004	0.0000	1.0581
Worker	1.3000e-004	9.0000e-005	1.0300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2949	0.2949	1.0000e-005	0.0000	0.2950
Total	4.3000e-004	0.0121	3.7600e-003	2.0000e-005	8.0000e-004	2.0000e-005	8.2000e-004	2.2000e-004	1.0000e-005	2.4000e-004	0.0000	2.5304	2.5304	2.1000e-004	0.0000	2.5357

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					4.9000e-004	0.0000	4.9000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4200e-003	0.0702	0.0450	1.0000e-004		3.0300e-003	3.0300e-003		2.7900e-003	2.7900e-003	0.0000	8.6073	8.6073	2.7800e-003	0.0000	8.6769
Total	6.4200e-003	0.0702	0.0450	1.0000e-004	4.9000e-004	3.0300e-003	3.5200e-003	5.0000e-005	2.7900e-003	2.8400e-003	0.0000	8.6073	8.6073	2.7800e-003	0.0000	8.6769

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1000e-004	3.8500e-003	8.7000e-004	1.0000e-005	3.3000e-004	1.0000e-005	3.4000e-004	9.0000e-005	1.0000e-005	1.0000e-004	0.0000	1.1806	1.1806	8.0000e-005	0.0000	1.1826
Vendor	1.9000e-004	8.1200e-003	1.8600e-003	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	4.0000e-005	0.0000	4.0000e-005	0.0000	1.0550	1.0550	1.2000e-004	0.0000	1.0581
Worker	1.3000e-004	9.0000e-005	1.0300e-003	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	1.0000e-004	0.0000	0.2949	0.2949	1.0000e-005	0.0000	0.2950
Total	4.3000e-004	0.0121	3.7600e-003	2.0000e-005	8.0000e-004	2.0000e-005	8.2000e-004	2.2000e-004	1.0000e-005	2.4000e-004	0.0000	2.5304	2.5304	2.1000e-004	0.0000	2.5357

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.6000e-004	0.0000	1.6000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.2051	0.2462	5.3000e-004		9.6500e-003	9.6500e-003		8.8800e-003	8.8800e-003	0.0000	46.3671	46.3671	0.0150	0.0000	46.7420
Total	0.0202	0.2051	0.2462	5.3000e-004	1.6000e-004	9.6500e-003	9.8100e-003	2.0000e-005	8.8800e-003	8.9000e-003	0.0000	46.3671	46.3671	0.0150	0.0000	46.7420

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2600e-003	0.0433	9.8200e-003	1.4000e-004	3.8700e-003	1.2000e-004	3.9900e-003	1.0400e-003	1.2000e-004	1.1600e-003	0.0000	13.2812	13.2812	9.0000e-004	0.0000	13.3038
Vendor	3.1600e-003	0.1336	0.0305	1.8000e-004	2.0000e-003	9.0000e-005	2.0900e-003	5.8000e-004	8.0000e-005	6.6000e-004	0.0000	17.3467	17.3467	2.0500e-003	0.0000	17.3979
Worker	1.7600e-003	1.2500e-003	0.0145	5.0000e-005	4.9400e-003	4.0000e-005	4.9700e-003	1.3100e-003	3.0000e-005	1.3400e-003	0.0000	4.1463	4.1463	1.0000e-004	0.0000	4.1489
Total	6.1800e-003	0.1781	0.0548	3.7000e-004	0.0108	2.5000e-004	0.0111	2.9300e-003	2.3000e-004	3.1600e-003	0.0000	34.7742	34.7742	3.0500e-003	0.0000	34.8506

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					1.6000e-004	0.0000	1.6000e-004	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0202	0.2051	0.2462	5.3000e-004		9.6500e-003	9.6500e-003		8.8800e-003	8.8800e-003	0.0000	46.3670	46.3670	0.0150	0.0000	46.7419
Total	0.0202	0.2051	0.2462	5.3000e-004	1.6000e-004	9.6500e-003	9.8100e-003	2.0000e-005	8.8800e-003	8.9000e-003	0.0000	46.3670	46.3670	0.0150	0.0000	46.7419

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.2600e-003	0.0433	9.8200e-003	1.4000e-004	3.8700e-003	1.2000e-004	3.9900e-003	1.0400e-003	1.2000e-004	1.1600e-003	0.0000	13.2812	13.2812	9.0000e-004	0.0000	13.3038
Vendor	3.1600e-003	0.1336	0.0305	1.8000e-004	2.0000e-003	9.0000e-005	2.0900e-003	5.8000e-004	8.0000e-005	6.6000e-004	0.0000	17.3467	17.3467	2.0500e-003	0.0000	17.3979
Worker	1.7600e-003	1.2500e-003	0.0145	5.0000e-005	4.9400e-003	4.0000e-005	4.9700e-003	1.3100e-003	3.0000e-005	1.3400e-003	0.0000	4.1463	4.1463	1.0000e-004	0.0000	4.1489
Total	6.1800e-003	0.1781	0.0548	3.7000e-004	0.0108	2.5000e-004	0.0111	2.9300e-003	2.3000e-004	3.1600e-003	0.0000	34.7742	34.7742	3.0500e-003	0.0000	34.8506

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0123	0.1381	0.0625	1.9000e-004		5.7300e-003	5.7300e-003		5.2700e-003	5.2700e-003	0.0000	16.7298	16.7298	5.4100e-003	0.0000	16.8650
Total	0.0123	0.1381	0.0625	1.9000e-004		5.7300e-003	5.7300e-003		5.2700e-003	5.2700e-003	0.0000	16.7298	16.7298	5.4100e-003	0.0000	16.8650

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0106	2.4000e-003	3.0000e-005	9.8000e-004	3.0000e-005	1.0100e-003	2.6000e-004	3.0000e-005	2.9000e-004	0.0000	3.2465	3.2465	2.2000e-004	0.0000	3.2520
Vendor	6.2300e-003	0.2640	0.0603	3.5000e-004	3.9500e-003	1.7000e-004	4.1200e-003	1.1500e-003	1.6000e-004	1.3100e-003	0.0000	34.2795	34.2795	4.0500e-003	0.0000	34.3807
Worker	1.3800e-003	9.8000e-004	0.0113	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.2433	3.2433	8.0000e-005	0.0000	3.2454
Total	7.9200e-003	0.2755	0.0741	4.2000e-004	8.7900e-003	2.3000e-004	9.0200e-003	2.4400e-003	2.2000e-004	2.6500e-003	0.0000	40.7694	40.7694	4.3500e-003	0.0000	40.8781

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	0.0123	0.1381	0.0625	1.9000e-004		5.7300e-003	5.7300e-003		5.2700e-003	5.2700e-003	0.0000	16.7297	16.7297	5.4100e-003	0.0000	16.8650
Total	0.0123	0.1381	0.0625	1.9000e-004		5.7300e-003	5.7300e-003		5.2700e-003	5.2700e-003	0.0000	16.7297	16.7297	5.4100e-003	0.0000	16.8650

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.1000e-004	0.0106	2.4000e-003	3.0000e-005	9.8000e-004	3.0000e-005	1.0100e-003	2.6000e-004	3.0000e-005	2.9000e-004	0.0000	3.2465	3.2465	2.2000e-004	0.0000	3.2520
Vendor	6.2300e-003	0.2640	0.0603	3.5000e-004	3.9500e-003	1.7000e-004	4.1200e-003	1.1500e-003	1.6000e-004	1.3100e-003	0.0000	34.2795	34.2795	4.0500e-003	0.0000	34.3807
Worker	1.3800e-003	9.8000e-004	0.0113	4.0000e-005	3.8600e-003	3.0000e-005	3.8900e-003	1.0300e-003	3.0000e-005	1.0500e-003	0.0000	3.2433	3.2433	8.0000e-005	0.0000	3.2454
Total	7.9200e-003	0.2755	0.0741	4.2000e-004	8.7900e-003	2.3000e-004	9.0200e-003	2.4400e-003	2.2000e-004	2.6500e-003	0.0000	40.7694	40.7694	4.3500e-003	0.0000	40.8781

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Hunter Substation Replacement Project - South Coast 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

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	tons/yr										MT/yr					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Hunter Substation Replacement Project - South Coast 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			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive 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	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Unmitigated	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Total	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003
Total	6.0000e-005	1.0000e-005	6.4000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2400e-003	1.2400e-003	0.0000	0.0000	1.3200e-003

7.0 Water Detail

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
User Defined Industrial	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

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

Hunter Substation Replacement Project - South Coast AQMD Air District, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

Hunter Substation Replacement Project
South Coast AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	50.00	User Defined Unit	2.50	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MWhr)	1325.65	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project-specific inputs.

Construction Phase - Project-specific schedule.

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	61.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

tblConstructionPhase	NumDays	220.00	13.00
tblConstructionPhase	NumDays	220.00	2.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	220.00	61.00
tblConstructionPhase	NumDays	220.00	2.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	220.00	23.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	6.00	5.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	3.00	2.00
tblConstructionPhase	NumDays	3.00	21.00
tblConstructionPhase	NumDays	3.00	11.00
tblLandUse	LotAcreage	0.00	2.50
tblOffRoadEquipment	HorsePower	402.00	100.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	122.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	380.00	960.00
tblTripsAndVMT	HaulingTripNumber	0.00	480.00
tblTripsAndVMT	HaulingTripNumber	0.00	122.00
tblTripsAndVMT	HaulingTripNumber	0.00	116.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	HaulingTripNumber	0.00	488.00
tblTripsAndVMT	HaulingTripNumber	0.00	120.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,200.00
tblTripsAndVMT	HaulingTripNumber	0.00	120.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripLength	6.90	1.00
tblTripsAndVMT	VendorTripNumber	0.00	95.00
tblTripsAndVMT	VendorTripNumber	0.00	141.00
tblTripsAndVMT	VendorTripNumber	0.00	171.00
tblTripsAndVMT	VendorTripNumber	0.00	171.00
tblTripsAndVMT	VendorTripNumber	0.00	161.00
tblTripsAndVMT	VendorTripNumber	0.00	65.00
tblTripsAndVMT	VendorTripNumber	0.00	95.00
tblTripsAndVMT	VendorTripNumber	0.00	192.00
tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	50.00
tblTripsAndVMT	VendorTripNumber	0.00	75.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	95.00
tblTripsAndVMT	VendorTripNumber	0.00	95.00
tblTripsAndVMT	VendorTripNumber	0.00	125.00
tblTripsAndVMT	VendorTripNumber	0.00	210.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	30.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	3.00	8.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00

2.0 Emissions Summary

Hunter Substation Replacement Project - South Coast 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	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	4.7000e-004	5.0000e-005	5.1000e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005	0.0000	0.0117

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	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	4.7000e-004	5.0000e-005	5.1000e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005	0.0000	0.0117

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 - Mobilization & Setup	Site Preparation	4/1/2021	4/2/2021	5	2	
2	2 - Material Delivery & Inventory	Site Preparation	4/4/2021	5/3/2021	5	21	
3	3a - Grading & Site Prep (Western Parcel)	Grading	4/4/2021	4/17/2021	5	10	
4	3b - Temporary Relocation of Existing Lines	Site Preparation	4/18/2021	5/3/2021	5	11	
5	4a - Civil Survey & Marking	Building Construction	5/4/2021	5/5/2021	5	2	
6	4b - Below-Grade Civil Construction (Western Parcel)	Building Construction	5/6/2021	7/6/2021	5	44	
7	4c - Below-Grade Electrical Construction (Western Parcel)	Building Construction	7/7/2021	8/6/2021	5	23	
8	5 - Underground Distribution Getaways	Building Construction	8/7/2021	10/6/2021	5	60	
9	6a - Above-grade Structural Construction (Western Parcel)	Building Construction	10/7/2021	12/6/2021	5	60	
10	6b - Above-grade Electrical Construction (Western Parcel)	Building Construction	12/7/2021	2/6/2022	5	61	
11	7 - Sub-Transmission Getaways	Building Construction	2/7/2022	2/20/2022	5	13	
12	8 - Substation Testing, Energization, & Cutover	Building Construction	2/21/2022	2/23/2022	5	2	
13	9 - Demolition of the Old Substation	Demolition	2/24/2022	4/25/2022	5	60	
14	10 - Grading and Site Prep (Eastern Parcel)	Grading	4/26/2022	5/1/2022	5	5	
15	11 - Below-Grade Construction for the Storage Facility	Building Construction	5/2/2022	7/1/2022	5	60	
16	12 - Above-Grade Construction for the Storage Facility	Building Construction	7/2/2022	9/1/2022	5	61	

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 - Mobilization & Setup	Rollers	1	6.00	80	0.38
1 - Mobilization & Setup	Rough Terrain Forklifts	1	6.00	100	0.40
1 - Mobilization & Setup	Rubber Tired Dozers	1	6.00	247	0.40
2 - Material Delivery & Inventory	Forklifts	1	2.40	89	0.20
3a - Grading & Site Prep (Western Parcel)	Graders	1	10.00	187	0.41
3a - Grading & Site Prep (Western Parcel)	Rollers	1	10.00	80	0.38
3a - Grading & Site Prep (Western Parcel)	Rubber Tired Dozers	1	10.00	247	0.40
3a - Grading & Site Prep (Western Parcel)	Scrapers	2	10.00	367	0.48
3a - Grading & Site Prep (Western Parcel)	Tractors/Loaders/Backhoes	2	10.00	97	0.37
3a - Grading & Site Prep (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
3b - Temporary Relocation of Existing Lines	Bore/Drill Rigs	1	10.00	221	0.50
3b - Temporary Relocation of Existing Lines	Cranes	1	10.00	231	0.29
3b - Temporary Relocation of Existing Lines	Rough Terrain Forklifts	1	10.00	100	0.40
4a - Civil Survey & Marking	Off-Highway Trucks	0	10.00	402	0.38
4b - Below-Grade Civil Construction (Western Parcel)	Bore/Drill Rigs	1	10.00	221	0.50
4b - Below-Grade Civil Construction (Western Parcel)	Rough Terrain Forklifts	1	10.00	100	0.40

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

4b - Below-Grade Civil Construction (Western Parcel)	Tractors/Loaders/Backhoes	2	10.00	97	0.37
4b - Below-Grade Civil Construction (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
4c - Below-Grade Electrical Construction (Western Parcel)	Cranes	1	10.00	231	0.29
4c - Below-Grade Electrical Construction (Western Parcel)	Excavators	1	10.00	158	0.38
4c - Below-Grade Electrical Construction (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
5 - Underground Distribution Getaways	Cranes	1	10.00	231	0.29
5 - Underground Distribution Getaways	Tractors/Loaders/Backhoes	2	10.00	97	0.37
6a - Above-grade Structural Construction (Western Parcel)	Cranes	1	12.00	231	0.29
6b - Above-grade Electrical Construction (Western Parcel)	Off-Highway Trucks	1	24.00	100	0.38
7 - Sub-Transmission Getaways	Bore/Drill Rigs	1	10.00	221	0.50
7 - Sub-Transmission Getaways	Cranes	1	10.00	231	0.29
8 - Substation Testing, Energization, & Cutover	Off-Highway Trucks	0	10.00	402	0.38
9 - Demolition of the Old Substation	Cranes	1	6.00	231	0.29
9 - Demolition of the Old Substation	Excavators	2	6.00	158	0.38
9 - Demolition of the Old Substation	Excavators	1	10.00	158	0.38
9 - Demolition of the Old Substation	Rough Terrain Forklifts	1	6.00	100	0.40
10 - Grading and Site Prep (Eastern Parcel)	Graders	1	10.00	187	0.41
10 - Grading and Site Prep (Eastern Parcel)	Rollers	1	10.00	80	0.38
10 - Grading and Site Prep (Eastern Parcel)	Rubber Tired Dozers	1	10.00	247	0.40
10 - Grading and Site Prep (Eastern Parcel)	Scrapers	1	10.00	367	0.48
10 - Grading and Site Prep (Eastern Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
10 - Grading and Site Prep (Eastern Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
11 - Below-Grade Construction for the Storage Facility	Bore/Drill Rigs	1	10.00	221	0.50

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

11 - Below-Grade Construction for the Storage Facility	Tractors/Loaders/Backhoes	2	10.00	97	0.37
11 - Below-Grade Construction for the Storage Facility	Tractors/Loaders/Backhoes	1	10.00	97	0.37
12 - Above-Grade Construction for the Storage Facility	Cranes	1	12.00	231	0.29

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 - Mobilization & Setup	3	10.00	95.00	4.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
2 - Material Delivery & Inventory	1	8.00	30.00	116.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
3a - Grading & Site Prep (Western Parcel)	8	16.00	50.00	104.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
3b - Temporary Relocation of Existing	3	10.00	75.00	30.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4a - Civil Survey & Marking	0	6.00	30.00	0.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4b - Below-Grade Civil Construction (Western)	5	20.00	95.00	488.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4c - Below-Grade Electrical Construction	3	16.00	95.00	120.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
5 - Underground Distribution Getaways	3	20.00	125.00	1,200.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
6a - Above-grade Structural Construction	1	20.00	210.00	120.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
6b - Above-grade Electrical Construction	1	30.00	141.00	122.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
7 - Sub-Transmission Getaways	2	10.00	171.00	26.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
8 - Substation Testing, Energization, & Cutover	0	12.00	171.00	0.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
9 - Demolition of the Old Substation	5	20.00	161.00	960.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
10 - Grading and Site Prep (Eastern Parcel)	6	16.00	65.00	40.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
11 - Below-Grade Construction for the St	4	20.00	95.00	480.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
12 - Above-Grade Construction for the St	1	16.00	192.00	122.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.2 1 - Mobilization & Setup - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0193	10.8808	6.1593	0.0110		0.5344	0.5344		0.4917	0.4917		1,061.4078	1,061.4078	0.3433		1,069.9898
Total	1.0193	10.8808	6.1593	0.0110		0.5344	0.5344		0.4917	0.4917		1,061.4078	1,061.4078	0.3433		1,069.9898

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	0.0145	0.5060	0.1071	1.5300e-003	0.0350	1.5700e-003	0.0365	9.5800e-003	1.5000e-003	0.0111		165.9079	165.9079	0.0111		166.1846
Vendor	0.1451	6.1562	1.3178	8.3000e-003	0.0903	4.2100e-003	0.0945	0.0262	4.0300e-003	0.0302		888.6762	888.6762	0.1008		891.1967
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
Total	0.2019	6.6896	1.8016	0.0109	0.2370	6.6000e-003	0.2436	0.0654	6.2900e-003	0.0717		1,165.3244	1,165.3244	0.1149		1,168.1961

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.2 1 - Mobilization & Setup - 2021

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	1.0193	10.8808	6.1593	0.0110		0.5344	0.5344		0.4917	0.4917	0.0000	1,061.4078	1,061.4078	0.3433		1,069.9898
Total	1.0193	10.8808	6.1593	0.0110		0.5344	0.5344		0.4917	0.4917	0.0000	1,061.4078	1,061.4078	0.3433		1,069.9898

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	0.0145	0.5060	0.1071	1.5300e-003	0.0350	1.5700e-003	0.0365	9.5800e-003	1.5000e-003	0.0111		165.9079	165.9079	0.0111		166.1846
Vendor	0.1451	6.1562	1.3178	8.3000e-003	0.0903	4.2100e-003	0.0945	0.0262	4.0300e-003	0.0302		888.6762	888.6762	0.1008		891.1967
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
Total	0.2019	6.6896	1.8016	0.0109	0.2370	6.6000e-003	0.2436	0.0654	6.2900e-003	0.0717		1,165.3244	1,165.3244	0.1149		1,168.1961

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.3 2 - Material Delivery & Inventory - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0388	0.3537	0.3504	4.6000e-004		0.0251	0.0251		0.0231	0.0231		44.4093	44.4093	0.0144		44.7683
Total	0.0388	0.3537	0.3504	4.6000e-004		0.0251	0.0251		0.0231	0.0231		44.4093	44.4093	0.0144		44.7683

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	0.0401	1.3975	0.2958	4.2300e-003	0.0965	4.3300e-003	0.1009	0.0265	4.1400e-003	0.0306		458.2219	458.2219	0.0306		458.9861
Vendor	0.0458	1.9441	0.4162	2.6200e-003	0.0285	1.3300e-003	0.0298	8.2800e-003	1.2700e-003	9.5500e-003		280.6346	280.6346	0.0318		281.4306
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	0.1197	3.3634	1.0133	7.7400e-003	0.2144	6.3200e-003	0.2208	0.0584	6.0200e-003	0.0645		827.4487	827.4487	0.0648		829.0685

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.3 2 - Material Delivery & Inventory - 2021

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	0.0388	0.3537	0.3504	4.6000e-004		0.0251	0.0251		0.0231	0.0231	0.0000	44.4093	44.4093	0.0144		44.7683
Total	0.0388	0.3537	0.3504	4.6000e-004		0.0251	0.0251		0.0231	0.0231	0.0000	44.4093	44.4093	0.0144		44.7683

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	0.0401	1.3975	0.2958	4.2300e-003	0.0965	4.3300e-003	0.1009	0.0265	4.1400e-003	0.0306		458.2219	458.2219	0.0306		458.9861
Vendor	0.0458	1.9441	0.4162	2.6200e-003	0.0285	1.3300e-003	0.0298	8.2800e-003	1.2700e-003	9.5500e-003		280.6346	280.6346	0.0318		281.4306
Worker	0.0338	0.0219	0.3014	8.9000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		88.5923	88.5923	2.3800e-003		88.6518
Total	0.1197	3.3634	1.0133	7.7400e-003	0.2144	6.3200e-003	0.2208	0.0584	6.0200e-003	0.0645		827.4487	827.4487	0.0648		829.0685

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.4 3a - Grading & Site Prep (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1558	0.0000	0.1558	0.0172	0.0000	0.0172			0.0000			0.0000
Off-Road	5.1370	57.3914	35.5944	0.0718		2.5073	2.5073		2.3068	2.3068		6,952.0606	6,952.0606	2.2484		7,008.2715
Total	5.1370	57.3914	35.5944	0.0718	0.1558	2.5073	2.6631	0.0172	2.3068	2.3240		6,952.0606	6,952.0606	2.2484		7,008.2715

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	0.0755	2.6311	0.5570	7.9700e-003	0.1817	8.1600e-003	0.1899	0.0498	7.8000e-003	0.0576		862.7212	862.7212	0.0576		864.1601
Vendor	0.0764	3.2401	0.6936	4.3700e-003	0.0475	2.2200e-003	0.0497	0.0138	2.1200e-003	0.0159		467.7243	467.7243	0.0531		469.0509
Worker	0.0675	0.0438	0.6028	1.7800e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		177.1845	177.1845	4.7600e-003		177.3037
Total	0.2194	5.9150	1.8533	0.0141	0.4081	0.0117	0.4198	0.1110	0.0111	0.1222		1,507.6300	1,507.6300	0.1154		1,510.5146

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.4 3a - Grading & Site Prep (Western Parcel) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1558	0.0000	0.1558	0.0172	0.0000	0.0172			0.0000			0.0000
Off-Road	5.1370	57.3914	35.5944	0.0718		2.5073	2.5073		2.3068	2.3068	0.0000	6,952.0606	6,952.0606	2.2484		7,008.2715
Total	5.1370	57.3914	35.5944	0.0718	0.1558	2.5073	2.6631	0.0172	2.3068	2.3240	0.0000	6,952.0606	6,952.0606	2.2484		7,008.2715

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	0.0755	2.6311	0.5570	7.9700e-003	0.1817	8.1600e-003	0.1899	0.0498	7.8000e-003	0.0576		862.7212	862.7212	0.0576		864.1601
Vendor	0.0764	3.2401	0.6936	4.3700e-003	0.0475	2.2200e-003	0.0497	0.0138	2.1200e-003	0.0159		467.7243	467.7243	0.0531		469.0509
Worker	0.0675	0.0438	0.6028	1.7800e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		177.1845	177.1845	4.7600e-003		177.3037
Total	0.2194	5.9150	1.8533	0.0141	0.4081	0.0117	0.4198	0.1110	0.0111	0.1222		1,507.6300	1,507.6300	0.1154		1,510.5146

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.5 3b - Temporary Relocation of Existing Lines - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9928	11.8555	7.9387	0.0233		0.4387	0.4387		0.4036	0.4036		2,255.713 1	2,255.713 1	0.7295		2,273.951 6
Total	0.9928	11.8555	7.9387	0.0233		0.4387	0.4387		0.4036	0.4036		2,255.713 1	2,255.713 1	0.7295		2,273.951 6

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	0.0198	0.6900	0.1461	2.0900e-003	0.0477	2.1400e-003	0.0498	0.0131	2.0500e-003	0.0151		226.2381	226.2381	0.0151		226.6154
Vendor	0.1146	4.8602	1.0404	6.5500e-003	0.0713	3.3300e-003	0.0746	0.0207	3.1800e-003	0.0239		701.5865	701.5865	0.0796		703.5764
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
Total	0.1766	5.5775	1.5631	9.7500e-003	0.2307	6.2900e-003	0.2370	0.0634	5.9900e-003	0.0694		1,038.564 9	1,038.564 9	0.0977		1,041.006 6

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.5 3b - Temporary Relocation of Existing Lines - 2021

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	0.9928	11.8555	7.9387	0.0233		0.4387	0.4387		0.4036	0.4036	0.0000	2,255.713 1	2,255.713 1	0.7295		2,273.951 6
Total	0.9928	11.8555	7.9387	0.0233		0.4387	0.4387		0.4036	0.4036	0.0000	2,255.713 1	2,255.713 1	0.7295		2,273.951 6

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	0.0198	0.6900	0.1461	2.0900e-003	0.0477	2.1400e-003	0.0498	0.0131	2.0500e-003	0.0151		226.2381	226.2381	0.0151		226.6154
Vendor	0.1146	4.8602	1.0404	6.5500e-003	0.0713	3.3300e-003	0.0746	0.0207	3.1800e-003	0.0239		701.5865	701.5865	0.0796		703.5764
Worker	0.0422	0.0274	0.3767	1.1100e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		110.7403	110.7403	2.9800e-003		110.8148
Total	0.1766	5.5775	1.5631	9.7500e-003	0.2307	6.2900e-003	0.2370	0.0634	5.9900e-003	0.0694		1,038.564 9	1,038.564 9	0.0977		1,041.006 6

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.6 4a - Civil Survey & Marking - 2021

Unmitigated Construction On-Site

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

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	0.0458	1.9441	0.4162	2.6200e-003	0.0285	1.3300e-003	0.0298	8.2800e-003	1.2700e-003	9.5500e-003		280.6346	280.6346	0.0318		281.4306
Worker	0.0253	0.0164	0.2260	6.7000e-004	0.0671	4.9000e-004	0.0676	0.0178	4.5000e-004	0.0182		66.4442	66.4442	1.7900e-003		66.4889
Total	0.0712	1.9605	0.6422	3.2900e-003	0.0956	1.8200e-003	0.0974	0.0261	1.7200e-003	0.0278		347.0788	347.0788	0.0336		347.9194

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.6 4a - Civil Survey & Marking - 2021

Mitigated Construction On-Site

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

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	0.0458	1.9441	0.4162	2.6200e-003	0.0285	1.3300e-003	0.0298	8.2800e-003	1.2700e-003	9.5500e-003		280.6346	280.6346	0.0318		281.4306
Worker	0.0253	0.0164	0.2260	6.7000e-004	0.0671	4.9000e-004	0.0676	0.0178	4.5000e-004	0.0182		66.4442	66.4442	1.7900e-003		66.4889
Total	0.0712	1.9605	0.6422	3.2900e-003	0.0956	1.8200e-003	0.0974	0.0261	1.7200e-003	0.0278		347.0788	347.0788	0.0336		347.9194

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.7 4b - Below-Grade Civil Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0100	0.0000	0.0100	1.5200e-003	0.0000	1.5200e-003			0.0000			0.0000
Off-Road	1.1790	12.9031	13.9360	0.0278		0.6118	0.6118		0.5628	0.5628		2,685.6649	2,685.6649	0.8686		2,707.3798
Total	1.1790	12.9031	13.9360	0.0278	0.0100	0.6118	0.6218	1.5200e-003	0.5628	0.5644		2,685.6649	2,685.6649	0.8686		2,707.3798

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	0.0805	2.8059	0.5940	8.5000e-003	0.1938	8.7000e-003	0.2025	0.0531	8.3200e-003	0.0614		920.0348	920.0348	0.0614		921.5693
Vendor	0.1451	6.1562	1.3178	8.3000e-003	0.0903	4.2100e-003	0.0945	0.0262	4.0300e-003	0.0302		888.6762	888.6762	0.1008		891.1967
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	0.3100	9.0168	2.6652	0.0190	0.5076	0.0146	0.5222	0.1386	0.0139	0.1525		2,030.1916	2,030.1916	0.1682		2,034.3956

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.7 4b - Below-Grade Civil Construction (Western Parcel) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0100	0.0000	0.0100	1.5200e-003	0.0000	1.5200e-003			0.0000			0.0000
Off-Road	1.1790	12.9031	13.9360	0.0278		0.6118	0.6118		0.5628	0.5628	0.0000	2,685.6649	2,685.6649	0.8686		2,707.3798
Total	1.1790	12.9031	13.9360	0.0278	0.0100	0.6118	0.6218	1.5200e-003	0.5628	0.5644	0.0000	2,685.6649	2,685.6649	0.8686		2,707.3798

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	0.0805	2.8059	0.5940	8.5000e-003	0.1938	8.7000e-003	0.2025	0.0531	8.3200e-003	0.0614		920.0348	920.0348	0.0614		921.5693
Vendor	0.1451	6.1562	1.3178	8.3000e-003	0.0903	4.2100e-003	0.0945	0.0262	4.0300e-003	0.0302		888.6762	888.6762	0.1008		891.1967
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	0.3100	9.0168	2.6652	0.0190	0.5076	0.0146	0.5222	0.1386	0.0139	0.1525		2,030.1916	2,030.1916	0.1682		2,034.3956

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.8 4c - Below-Grade Electrical Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0367	11.1232	9.3936	0.0176		0.5164	0.5164		0.4751	0.4751		1,699.7885	1,699.7885	0.5498		1,713.5322
Total	1.0367	11.1232	9.3936	0.0176		0.5164	0.5164		0.4751	0.4751		1,699.7885	1,699.7885	0.5498		1,713.5322

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	0.0379	1.3199	0.2794	4.0000e-003	0.0912	4.0900e-003	0.0953	0.0250	3.9100e-003	0.0289		432.8033	432.8033	0.0289		433.5251
Vendor	0.1451	6.1562	1.3178	8.3000e-003	0.0903	4.2100e-003	0.0945	0.0262	4.0300e-003	0.0302		888.6762	888.6762	0.1008		891.1967
Worker	0.0675	0.0438	0.6028	1.7800e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		177.1845	177.1845	4.7600e-003		177.3037
Total	0.2505	7.5199	2.2000	0.0141	0.3603	9.6200e-003	0.3699	0.0986	9.1500e-003	0.1078		1,498.6640	1,498.6640	0.1345		1,502.0255

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.8 4c - Below-Grade Electrical Construction (Western Parcel) - 2021

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	1.0367	11.1232	9.3936	0.0176		0.5164	0.5164		0.4751	0.4751	0.0000	1,699.7885	1,699.7885	0.5498		1,713.5322
Total	1.0367	11.1232	9.3936	0.0176		0.5164	0.5164		0.4751	0.4751	0.0000	1,699.7885	1,699.7885	0.5498		1,713.5322

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	0.0379	1.3199	0.2794	4.0000e-003	0.0912	4.0900e-003	0.0953	0.0250	3.9100e-003	0.0289		432.8033	432.8033	0.0289		433.5251
Vendor	0.1451	6.1562	1.3178	8.3000e-003	0.0903	4.2100e-003	0.0945	0.0262	4.0300e-003	0.0302		888.6762	888.6762	0.1008		891.1967
Worker	0.0675	0.0438	0.6028	1.7800e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		177.1845	177.1845	4.7600e-003		177.3037
Total	0.2505	7.5199	2.2000	0.0141	0.3603	9.6200e-003	0.3699	0.0986	9.1500e-003	0.1078		1,498.6640	1,498.6640	0.1345		1,502.0255

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.9 5 - Underground Distribution Getaways - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0181	0.0000	0.0181	2.7400e-003	0.0000	2.7400e-003			0.0000			0.0000
Off-Road	0.9843	10.8012	8.1292	0.0150		0.5255	0.5255		0.4835	0.4835		1,450.6736	1,450.6736	0.4692		1,462.4031
Total	0.9843	10.8012	8.1292	0.0150	0.0181	0.5255	0.5436	2.7400e-003	0.4835	0.4862		1,450.6736	1,450.6736	0.4692		1,462.4031

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	0.1451	5.0598	1.0711	0.0153	0.4540	0.0157	0.4697	0.1214	0.0150	0.1364		1,659.0791	1,659.0791	0.1107		1,661.8462
Vendor	0.1910	8.1002	1.7340	0.0109	0.1188	5.5500e-003	0.1243	0.0345	5.3000e-003	0.0398		1,169.3108	1,169.3108	0.1327		1,172.6273
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	0.4205	13.2148	3.5585	0.0285	0.7963	0.0229	0.8192	0.2152	0.0218	0.2370		3,049.8706	3,049.8706	0.2493		3,056.1031

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.9 5 - Underground Distribution Getaways - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0181	0.0000	0.0181	2.7400e-003	0.0000	2.7400e-003			0.0000			0.0000
Off-Road	0.9843	10.8012	8.1292	0.0150		0.5255	0.5255		0.4835	0.4835	0.0000	1,450.6736	1,450.6736	0.4692		1,462.4031
Total	0.9843	10.8012	8.1292	0.0150	0.0181	0.5255	0.5436	2.7400e-003	0.4835	0.4862	0.0000	1,450.6736	1,450.6736	0.4692		1,462.4031

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	0.1451	5.0598	1.0711	0.0153	0.4540	0.0157	0.4697	0.1214	0.0150	0.1364		1,659.0791	1,659.0791	0.1107		1,661.8462
Vendor	0.1910	8.1002	1.7340	0.0109	0.1188	5.5500e-003	0.1243	0.0345	5.3000e-003	0.0398		1,169.3108	1,169.3108	0.1327		1,172.6273
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	0.4205	13.2148	3.5585	0.0285	0.7963	0.0229	0.8192	0.2152	0.0218	0.2370		3,049.8706	3,049.8706	0.2493		3,056.1031

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.10 6a - Above-grade Structural Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6194	7.2740	2.9743	8.6500e-003		0.2953	0.2953		0.2717	0.2717		838.1082	838.1082	0.2711		844.8847
Total	0.6194	7.2740	2.9743	8.6500e-003		0.2953	0.2953		0.2717	0.2717		838.1082	838.1082	0.2711		844.8847

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	0.0145	0.5060	0.1071	1.5300e-003	0.0454	1.5700e-003	0.0470	0.0121	1.5000e-003	0.0136		165.9079	165.9079	0.0111		166.1846
Vendor	0.3208	13.6084	2.9130	0.0184	0.1995	9.3200e-003	0.2088	0.0579	8.9000e-003	0.0668		1,964.4421	1,964.4421	0.2229		1,970.0139
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	0.4198	14.1691	3.7736	0.0221	0.4685	0.0125	0.4810	0.1294	0.0119	0.1413		2,351.8307	2,351.8307	0.2399		2,357.8280

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.10 6a - Above-grade Structural Construction (Western Parcel) - 2021

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	0.6194	7.2740	2.9743	8.6500e-003		0.2953	0.2953		0.2717	0.2717	0.0000	838.1082	838.1082	0.2711		844.8847
Total	0.6194	7.2740	2.9743	8.6500e-003		0.2953	0.2953		0.2717	0.2717	0.0000	838.1082	838.1082	0.2711		844.8847

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	0.0145	0.5060	0.1071	1.5300e-003	0.0454	1.5700e-003	0.0470	0.0121	1.5000e-003	0.0136		165.9079	165.9079	0.0111		166.1846
Vendor	0.3208	13.6084	2.9130	0.0184	0.1995	9.3200e-003	0.2088	0.0579	8.9000e-003	0.0668		1,964.4421	1,964.4421	0.2229		1,970.0139
Worker	0.0844	0.0548	0.7535	2.2200e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		221.4807	221.4807	5.9600e-003		221.6296
Total	0.4198	14.1691	3.7736	0.0221	0.4685	0.0125	0.4810	0.1294	0.0119	0.1413		2,351.8307	2,351.8307	0.2399		2,357.8280

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0145	0.5060	0.1071	1.5300e-003	0.0934	1.5700e-003	0.0950	0.0239	1.5000e-003	0.0254		165.9079	165.9079	0.0111		166.1846
Vendor	0.2154	9.1371	1.9559	0.0123	0.1340	6.2600e-003	0.1402	0.0389	5.9800e-003	0.0449		1,318.9826	1,318.9826	0.1496		1,322.7236
Worker	0.1266	0.0821	1.1302	3.3300e-003	0.3353	2.4700e-003	0.3378	0.0889	2.2700e-003	0.0912		332.2210	332.2210	8.9300e-003		332.4443
Total	0.3566	9.7252	3.1932	0.0172	0.5627	0.0103	0.5730	0.1518	9.7500e-003	0.1615		1,817.1115	1,817.1115	0.1696		1,821.3526

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0145	0.5060	0.1071	1.5300e-003	0.0934	1.5700e-003	0.0950	0.0239	1.5000e-003	0.0254		165.9079	165.9079	0.0111		166.1846
Vendor	0.2154	9.1371	1.9559	0.0123	0.1340	6.2600e-003	0.1402	0.0389	5.9800e-003	0.0449		1,318.9826	1,318.9826	0.1496		1,322.7236
Worker	0.1266	0.0821	1.1302	3.3300e-003	0.3353	2.4700e-003	0.3378	0.0889	2.2700e-003	0.0912		332.2210	332.2210	8.9300e-003		332.4443
Total	0.3566	9.7252	3.1932	0.0172	0.5627	0.0103	0.5730	0.1518	9.7500e-003	0.1615		1,817.1115	1,817.1115	0.1696		1,821.3526

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0138	0.4675	0.1059	1.5100e-003	0.0730	1.3500e-003	0.0744	0.0189	1.2900e-003	0.0202		163.9510	163.9510	0.0109		164.2227
Vendor	0.2002	8.8686	1.8250	0.0122	0.1340	5.3000e-003	0.1393	0.0389	5.0700e-003	0.0440		1,307.9217	1,307.9217	0.1416		1,311.4613
Worker	0.1188	0.0742	1.0451	3.2100e-003	0.3353	2.4000e-003	0.3377	0.0889	2.2100e-003	0.0911		320.3172	320.3172	8.0700e-003		320.5190
Total	0.3327	9.4103	2.9759	0.0169	0.5423	9.0500e-003	0.5514	0.1468	8.5700e-003	0.1553		1,792.1899	1,792.1899	0.1605		1,796.2030

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0138	0.4675	0.1059	1.5100e-003	0.0730	1.3500e-003	0.0744	0.0189	1.2900e-003	0.0202		163.9510	163.9510	0.0109		164.2227
Vendor	0.2002	8.8686	1.8250	0.0122	0.1340	5.3000e-003	0.1393	0.0389	5.0700e-003	0.0440		1,307.9217	1,307.9217	0.1416		1,311.4613
Worker	0.1188	0.0742	1.0451	3.2100e-003	0.3353	2.4000e-003	0.3377	0.0889	2.2100e-003	0.0911		320.3172	320.3172	8.0700e-003		320.5190
Total	0.3327	9.4103	2.9759	0.0169	0.5423	9.0500e-003	0.5514	0.1468	8.5700e-003	0.1553		1,792.1899	1,792.1899	0.1605		1,796.2030

3.12 7 - Sub-Transmission Getaways - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7464	8.0634	4.9169	0.0190		0.3081	0.3081		0.2835	0.2835		1,840.4890	1,840.4890	0.5953		1,855.3703
Total	0.7464	8.0634	4.9169	0.0190		0.3081	0.3081		0.2835	0.2835		1,840.4890	1,840.4890	0.5953		1,855.3703

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.12 7 - Sub-Transmission Getaways - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0138	0.4675	0.1059	1.5100e-003	0.0429	1.3500e-003	0.0442	0.0115	1.2900e-003	0.0128		163.9510	163.9510	0.0109		164.2227
Vendor	0.2428	10.7555	2.2133	0.0148	0.1625	6.4300e-003	0.1689	0.0472	6.1500e-003	0.0533		1,586.2029	1,586.2029	0.1717		1,590.4956
Worker	0.0396	0.0247	0.3484	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7724	106.7724	2.6900e-003		106.8397
Total	0.2961	11.2477	2.6675	0.0174	0.3171	8.5800e-003	0.3257	0.0883	8.1800e-003	0.0965		1,856.9263	1,856.9263	0.1853		1,861.5580

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	0.7464	8.0634	4.9169	0.0190		0.3081	0.3081		0.2835	0.2835	0.0000	1,840.4890	1,840.4890	0.5953		1,855.3703
Total	0.7464	8.0634	4.9169	0.0190		0.3081	0.3081		0.2835	0.2835	0.0000	1,840.4890	1,840.4890	0.5953		1,855.3703

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.12 7 - Sub-Transmission Getaways - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0138	0.4675	0.1059	1.5100e-003	0.0429	1.3500e-003	0.0442	0.0115	1.2900e-003	0.0128		163.9510	163.9510	0.0109		164.2227
Vendor	0.2428	10.7555	2.2133	0.0148	0.1625	6.4300e-003	0.1689	0.0472	6.1500e-003	0.0533		1,586.2029	1,586.2029	0.1717		1,590.4956
Worker	0.0396	0.0247	0.3484	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7724	106.7724	2.6900e-003		106.8397
Total	0.2961	11.2477	2.6675	0.0174	0.3171	8.5800e-003	0.3257	0.0883	8.1800e-003	0.0965		1,856.9263	1,856.9263	0.1853		1,861.5580

3.13 8 - Substation Testing, Energization, & Cutover - 2022

Unmitigated Construction On-Site

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

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.13 8 - Substation Testing, Energization, & Cutover - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2428	10.7555	2.2133	0.0148	0.1625	6.4300e-003	0.1689	0.0472	6.1500e-003	0.0533		1,586.2029	1,586.2029	0.1717		1,590.4956
Worker	0.0475	0.0297	0.4180	1.2900e-003	0.1341	9.6000e-004	0.1351	0.0356	8.8000e-004	0.0365		128.1269	128.1269	3.2300e-003		128.2076
Total	0.2903	10.7852	2.6313	0.0161	0.2966	7.3900e-003	0.3040	0.0827	7.0300e-003	0.0898		1,714.3298	1,714.3298	0.1749		1,718.7032

Mitigated Construction On-Site

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

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.13 8 - Substation Testing, Energization, & Cutover - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2428	10.7555	2.2133	0.0148	0.1625	6.4300e-003	0.1689	0.0472	6.1500e-003	0.0533		1,586.2029	1,586.2029	0.1717		1,590.4956
Worker	0.0475	0.0297	0.4180	1.2900e-003	0.1341	9.6000e-004	0.1351	0.0356	8.8000e-004	0.0365		128.1269	128.1269	3.2300e-003		128.2076
Total	0.2903	10.7852	2.6313	0.0161	0.2966	7.3900e-003	0.3040	0.0827	7.0300e-003	0.0898		1,714.3298	1,714.3298	0.1749		1,718.7032

3.14 9 - Demolition of the Old Substation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3695	0.0000	1.3695	0.2074	0.0000	0.2074			0.0000			0.0000
Off-Road	0.9203	9.1351	12.0872	0.0211		0.4053	0.4053		0.3729	0.3729		2,044.4806	2,044.4806	0.6612		2,061.0113
Total	0.9203	9.1351	12.0872	0.0211	1.3695	0.4053	1.7748	0.2074	0.3729	0.5802		2,044.4806	2,044.4806	0.6612		2,061.0113

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.14 9 - Demolition of the Old Substation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1102	3.7401	0.8471	0.0121	0.3632	0.0108	0.3740	0.0972	0.0103	0.1075		1,311.6079	1,311.6079	0.0869		1,313.7815
Vendor	0.2286	10.1265	2.0838	0.0139	0.1530	6.0600e-003	0.1590	0.0444	5.7900e-003	0.0502		1,493.4425	1,493.4425	0.1617		1,497.4842
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	0.4180	13.9161	3.6276	0.0282	0.7397	0.0185	0.7582	0.2009	0.0176	0.2184		3,018.5953	3,018.5953	0.2540		3,024.9451

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					1.3695	0.0000	1.3695	0.2074	0.0000	0.2074			0.0000			0.0000
Off-Road	0.9203	9.1351	12.0872	0.0211		0.4053	0.4053		0.3729	0.3729	0.0000	2,044.4806	2,044.4806	0.6612		2,061.0113
Total	0.9203	9.1351	12.0872	0.0211	1.3695	0.4053	1.7748	0.2074	0.3729	0.5802	0.0000	2,044.4806	2,044.4806	0.6612		2,061.0113

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.14 9 - Demolition of the Old Substation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1102	3.7401	0.8471	0.0121	0.3632	0.0108	0.3740	0.0972	0.0103	0.1075		1,311.6079	1,311.6079	0.0869		1,313.7815
Vendor	0.2286	10.1265	2.0838	0.0139	0.1530	6.0600e-003	0.1590	0.0444	5.7900e-003	0.0502		1,493.4425	1,493.4425	0.1617		1,497.4842
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	0.4180	13.9161	3.6276	0.0282	0.7397	0.0185	0.7582	0.2009	0.0176	0.2184		3,018.5953	3,018.5953	0.2540		3,024.9451

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2448	0.0000	0.2448	0.0268	0.0000	0.0268			0.0000			0.0000
Off-Road	3.2088	35.0899	22.5197	0.0490		1.5168	1.5168		1.3954	1.3954		4,743.9874	4,743.9874	1.5343		4,782.3449
Total	3.2088	35.0899	22.5197	0.0490	0.2448	1.5168	1.7615	0.0268	1.3954	1.4222		4,743.9874	4,743.9874	1.5343		4,782.3449

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0551	1.8701	0.4235	6.0500e-003	0.1662	5.3900e-003	0.1716	0.0448	5.1600e-003	0.0500		655.8040	655.8040	0.0435		656.8908
Vendor	0.0923	4.0884	0.8413	5.6200e-003	0.0618	2.4500e-003	0.0642	0.0179	2.3400e-003	0.0203		602.9426	602.9426	0.0653		604.5744
Worker	0.0634	0.0396	0.5574	1.7100e-003	0.1788	1.2800e-003	0.1801	0.0474	1.1800e-003	0.0486		170.8358	170.8358	4.3100e-003		170.9435
Total	0.2108	5.9980	1.8222	0.0134	0.4068	9.1200e-003	0.4160	0.1102	8.6800e-003	0.1188		1,429.5824	1,429.5824	0.1131		1,432.4086

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2448	0.0000	0.2448	0.0268	0.0000	0.0268			0.0000			0.0000
Off-Road	3.2088	35.0899	22.5197	0.0490		1.5168	1.5168		1.3954	1.3954	0.0000	4,743.9874	4,743.9874	1.5343		4,782.3449
Total	3.2088	35.0899	22.5197	0.0490	0.2448	1.5168	1.7615	0.0268	1.3954	1.4222	0.0000	4,743.9874	4,743.9874	1.5343		4,782.3449

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0551	1.8701	0.4235	6.0500e-003	0.1662	5.3900e-003	0.1716	0.0448	5.1600e-003	0.0500		655.8040	655.8040	0.0435		656.8908
Vendor	0.0923	4.0884	0.8413	5.6200e-003	0.0618	2.4500e-003	0.0642	0.0179	2.3400e-003	0.0203		602.9426	602.9426	0.0653		604.5744
Worker	0.0634	0.0396	0.5574	1.7100e-003	0.1788	1.2800e-003	0.1801	0.0474	1.1800e-003	0.0486		170.8358	170.8358	4.3100e-003		170.9435
Total	0.2108	5.9980	1.8222	0.0134	0.4068	9.1200e-003	0.4160	0.1102	8.6800e-003	0.1188		1,429.5824	1,429.5824	0.1131		1,432.4086

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2400e-003	0.0000	7.2400e-003	1.1000e-003	0.0000	1.1000e-003			0.0000			0.0000
Off-Road	0.8978	9.1167	10.9437	0.0235		0.4289	0.4289		0.3946	0.3946		2,271.5971	2,271.5971	0.7347		2,289.9641
Total	0.8978	9.1167	10.9437	0.0235	7.2400e-003	0.4289	0.4361	1.1000e-003	0.3946	0.3957		2,271.5971	2,271.5971	0.7347		2,289.9641

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0551	1.8701	0.4235	6.0500e-003	0.1751	5.3900e-003	0.1804	0.0470	5.1600e-003	0.0521		655.8040	655.8040	0.0435		656.8908
Vendor	0.1349	5.9753	1.2296	8.2200e-003	0.0903	3.5700e-003	0.0938	0.0262	3.4200e-003	0.0296		881.2239	881.2239	0.0954		883.6087
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	0.2692	7.8948	2.3498	0.0164	0.4889	0.0106	0.4994	0.1325	0.0101	0.1425		1,750.5726	1,750.5726	0.1442		1,754.1788

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2400e-003	0.0000	7.2400e-003	1.1000e-003	0.0000	1.1000e-003			0.0000			0.0000
Off-Road	0.8978	9.1167	10.9437	0.0235		0.4289	0.4289		0.3946	0.3946	0.0000	2,271.5971	2,271.5971	0.7347		2,289.9641
Total	0.8978	9.1167	10.9437	0.0235	7.2400e-003	0.4289	0.4361	1.1000e-003	0.3946	0.3957	0.0000	2,271.5971	2,271.5971	0.7347		2,289.9641

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0551	1.8701	0.4235	6.0500e-003	0.1751	5.3900e-003	0.1804	0.0470	5.1600e-003	0.0521		655.8040	655.8040	0.0435		656.8908
Vendor	0.1349	5.9753	1.2296	8.2200e-003	0.0903	3.5700e-003	0.0938	0.0262	3.4200e-003	0.0296		881.2239	881.2239	0.0954		883.6087
Worker	0.0792	0.0495	0.6967	2.1400e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		213.5448	213.5448	5.3800e-003		213.6794
Total	0.2692	7.8948	2.3498	0.0164	0.4889	0.0106	0.4994	0.1325	0.0101	0.1425		1,750.5726	1,750.5726	0.1442		1,754.1788

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5595	6.2764	2.8385	8.6500e-003		0.2606	0.2606		0.2398	0.2398		838.2455	838.2455	0.2711		845.0232
Total	0.5595	6.2764	2.8385	8.6500e-003		0.2606	0.2606		0.2398	0.2398		838.2455	838.2455	0.2711		845.0232

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0138	0.4675	0.1059	1.5100e-003	0.0452	1.3500e-003	0.0465	0.0121	1.2900e-003	0.0134		163.9510	163.9510	0.0109		164.2227
Vendor	0.2726	12.0763	2.4851	0.0166	0.1824	7.2200e-003	0.1896	0.0530	6.9000e-003	0.0599		1,780.9998	1,780.9998	0.1928		1,785.8197
Worker	0.0634	0.0396	0.5574	1.7100e-003	0.1788	1.2800e-003	0.1801	0.0474	1.1800e-003	0.0486		170.8358	170.8358	4.3100e-003		170.9435
Total	0.3497	12.5834	3.1483	0.0198	0.4064	9.8500e-003	0.4163	0.1125	9.3700e-003	0.1219		2,115.7866	2,115.7866	0.2080		2,120.9858

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	0.5595	6.2764	2.8385	8.6500e-003		0.2606	0.2606		0.2398	0.2398	0.0000	838.2455	838.2455	0.2711		845.0232
Total	0.5595	6.2764	2.8385	8.6500e-003		0.2606	0.2606		0.2398	0.2398	0.0000	838.2455	838.2455	0.2711		845.0232

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0138	0.4675	0.1059	1.5100e-003	0.0452	1.3500e-003	0.0465	0.0121	1.2900e-003	0.0134		163.9510	163.9510	0.0109		164.2227
Vendor	0.2726	12.0763	2.4851	0.0166	0.1824	7.2200e-003	0.1896	0.0530	6.9000e-003	0.0599		1,780.9998	1,780.9998	0.1928		1,785.8197
Worker	0.0634	0.0396	0.5574	1.7100e-003	0.1788	1.2800e-003	0.1801	0.0474	1.1800e-003	0.0486		170.8358	170.8358	4.3100e-003		170.9435
Total	0.3497	12.5834	3.1483	0.0198	0.4064	9.8500e-003	0.4163	0.1125	9.3700e-003	0.1219		2,115.7866	2,115.7866	0.2080		2,120.9858

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Hunter Substation Replacement Project - South Coast 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

Hunter Substation Replacement Project - South Coast 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Hunter Substation Replacement Project - South Coast 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					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Unmitigated	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

Hunter Substation Replacement Project - South Coast 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

7.0 Water Detail

Hunter Substation Replacement Project - South Coast AQMD Air District, Summer

7.1 Mitigation Measures Water**8.0 Waste Detail**

8.1 Mitigation Measures Waste**9.0 Operational Offroad**

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

Hunter Substation Replacement Project
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Industrial	50.00	User Defined Unit	2.50	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	10			Operational Year	2023
Utility Company	Riverside Public Utilities				
CO2 Intensity (lb/MW hr)	1325.65	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Project-specific inputs.

Construction Phase - Project-specific schedule.

Consumer Products -

Area Coating -

Area Mitigation -

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	61.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

tblConstructionPhase	NumDays	220.00	13.00
tblConstructionPhase	NumDays	220.00	2.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	220.00	61.00
tblConstructionPhase	NumDays	220.00	2.00
tblConstructionPhase	NumDays	220.00	44.00
tblConstructionPhase	NumDays	220.00	23.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	220.00	60.00
tblConstructionPhase	NumDays	20.00	60.00
tblConstructionPhase	NumDays	6.00	5.00
tblConstructionPhase	NumDays	6.00	10.00
tblConstructionPhase	NumDays	3.00	2.00
tblConstructionPhase	NumDays	3.00	21.00
tblConstructionPhase	NumDays	3.00	11.00
tblLandUse	LotAcreage	0.00	2.50
tblOffRoadEquipment	HorsePower	402.00	100.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

tblOffRoadEquipment	UsageHours	8.00	12.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	8.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	6.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblOffRoadEquipment	UsageHours	7.00	10.00
tblTripsAndVMT	HaulingTripNumber	0.00	4.00
tblTripsAndVMT	HaulingTripNumber	0.00	122.00
tblTripsAndVMT	HaulingTripNumber	0.00	26.00
tblTripsAndVMT	HaulingTripNumber	380.00	960.00
tblTripsAndVMT	HaulingTripNumber	0.00	480.00
tblTripsAndVMT	HaulingTripNumber	0.00	122.00
tblTripsAndVMT	HaulingTripNumber	0.00	116.00
tblTripsAndVMT	HaulingTripNumber	0.00	30.00
tblTripsAndVMT	HaulingTripNumber	0.00	488.00
tblTripsAndVMT	HaulingTripNumber	0.00	120.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,200.00
tblTripsAndVMT	HaulingTripNumber	0.00	120.00

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

tblTripsAndVMT	VendorTripNumber	0.00	30.00
tblTripsAndVMT	VendorTripNumber	0.00	95.00
tblTripsAndVMT	VendorTripNumber	0.00	95.00
tblTripsAndVMT	VendorTripNumber	0.00	125.00
tblTripsAndVMT	VendorTripNumber	0.00	210.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	30.00
tblTripsAndVMT	WorkerTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	12.00
tblTripsAndVMT	WorkerTripNumber	13.00	20.00
tblTripsAndVMT	WorkerTripNumber	15.00	16.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	3.00	8.00
tblTripsAndVMT	WorkerTripNumber	20.00	16.00
tblTripsAndVMT	WorkerTripNumber	8.00	10.00
tblTripsAndVMT	WorkerTripNumber	0.00	6.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	16.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00
tblTripsAndVMT	WorkerTripNumber	0.00	20.00

2.0 Emissions Summary

Hunter Substation Replacement Project - South Coast 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	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	4.7000e-004	5.0000e-005	5.1000e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005	0.0000	0.0117

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	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	4.7000e-004	5.0000e-005	5.1000e-003	0.0000	0.0000	2.0000e-005	2.0000e-005	0.0000	2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005	0.0000	0.0117

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	1 - Mobilization & Setup	Site Preparation	4/1/2021	4/2/2021	5	2	
2	2 - Material Delivery & Inventory	Site Preparation	4/4/2021	5/3/2021	5	21	
3	3a - Grading & Site Prep (Western Parcel)	Grading	4/4/2021	4/17/2021	5	10	
4	3b - Temporary Relocation of Existing Lines	Site Preparation	4/18/2021	5/3/2021	5	11	
5	4a - Civil Survey & Marking	Building Construction	5/4/2021	5/5/2021	5	2	
6	4b - Below-Grade Civil Construction (Western Parcel)	Building Construction	5/6/2021	7/6/2021	5	44	
7	4c - Below-Grade Electrical Construction (Western Parcel)	Building Construction	7/7/2021	8/6/2021	5	23	
8	5 - Underground Distribution Getaways	Building Construction	8/7/2021	10/6/2021	5	60	
9	6a - Above-grade Structural Construction (Western Parcel)	Building Construction	10/7/2021	12/6/2021	5	60	
10	6b - Above-grade Electrical Construction (Western Parcel)	Building Construction	12/7/2021	2/6/2022	5	61	
11	7 - Sub-Transmission Getaways	Building Construction	2/7/2022	2/20/2022	5	13	
12	8 - Substation Testing, Energization, & Cutover	Building Construction	2/21/2022	2/23/2022	5	2	
13	9 - Demolition of the Old Substation	Demolition	2/24/2022	4/25/2022	5	60	
14	10 - Grading and Site Prep (Eastern Parcel)	Grading	4/26/2022	5/1/2022	5	5	
15	11 - Below-Grade Construction for the Storage Facility	Building Construction	5/2/2022	7/1/2022	5	60	
16	12 - Above-Grade Construction for the Storage Facility	Building Construction	7/2/2022	9/1/2022	5	61	

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
1 - Mobilization & Setup	Rollers	1	6.00	80	0.38
1 - Mobilization & Setup	Rough Terrain Forklifts	1	6.00	100	0.40
1 - Mobilization & Setup	Rubber Tired Dozers	1	6.00	247	0.40
2 - Material Delivery & Inventory	Forklifts	1	2.40	89	0.20
3a - Grading & Site Prep (Western Parcel)	Graders	1	10.00	187	0.41
3a - Grading & Site Prep (Western Parcel)	Rollers	1	10.00	80	0.38
3a - Grading & Site Prep (Western Parcel)	Rubber Tired Dozers	1	10.00	247	0.40
3a - Grading & Site Prep (Western Parcel)	Scrapers	2	10.00	367	0.48
3a - Grading & Site Prep (Western Parcel)	Tractors/Loaders/Backhoes	2	10.00	97	0.37
3a - Grading & Site Prep (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
3b - Temporary Relocation of Existing Lines	Bore/Drill Rigs	1	10.00	221	0.50
3b - Temporary Relocation of Existing Lines	Cranes	1	10.00	231	0.29
3b - Temporary Relocation of Existing Lines	Rough Terrain Forklifts	1	10.00	100	0.40
4a - Civil Survey & Marking	Off-Highway Trucks	0	10.00	402	0.38
4b - Below-Grade Civil Construction (Western Parcel)	Bore/Drill Rigs	1	10.00	221	0.50
4b - Below-Grade Civil Construction (Western Parcel)	Rough Terrain Forklifts	1	10.00	100	0.40

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

4b - Below-Grade Civil Construction (Western Parcel)	Tractors/Loaders/Backhoes	2	10.00	97	0.37
4b - Below-Grade Civil Construction (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
4c - Below-Grade Electrical Construction (Western Parcel)	Cranes	1	10.00	231	0.29
4c - Below-Grade Electrical Construction (Western Parcel)	Excavators	1	10.00	158	0.38
4c - Below-Grade Electrical Construction (Western Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
5 - Underground Distribution Getaways	Cranes	1	10.00	231	0.29
5 - Underground Distribution Getaways	Tractors/Loaders/Backhoes	2	10.00	97	0.37
6a - Above-grade Structural Construction (Western Parcel)	Cranes	1	12.00	231	0.29
6b - Above-grade Electrical Construction (Western Parcel)	Off-Highway Trucks	1	24.00	100	0.38
7 - Sub-Transmission Getaways	Bore/Drill Rigs	1	10.00	221	0.50
7 - Sub-Transmission Getaways	Cranes	1	10.00	231	0.29
8 - Substation Testing, Energization, & Cutover	Off-Highway Trucks	0	10.00	402	0.38
9 - Demolition of the Old Substation	Cranes	1	6.00	231	0.29
9 - Demolition of the Old Substation	Excavators	2	6.00	158	0.38
9 - Demolition of the Old Substation	Excavators	1	10.00	158	0.38
9 - Demolition of the Old Substation	Rough Terrain Forklifts	1	6.00	100	0.40
10 - Grading and Site Prep (Eastern Parcel)	Graders	1	10.00	187	0.41
10 - Grading and Site Prep (Eastern Parcel)	Rollers	1	10.00	80	0.38
10 - Grading and Site Prep (Eastern Parcel)	Rubber Tired Dozers	1	10.00	247	0.40
10 - Grading and Site Prep (Eastern Parcel)	Scrapers	1	10.00	367	0.48
10 - Grading and Site Prep (Eastern Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
10 - Grading and Site Prep (Eastern Parcel)	Tractors/Loaders/Backhoes	1	10.00	97	0.37
11 - Below-Grade Construction for the Storage Facility	Bore/Drill Rigs	1	10.00	221	0.50

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

11 - Below-Grade Construction for the Storage Facility	Tractors/Loaders/Backhoes	2	10.00	97	0.37
11 - Below-Grade Construction for the Storage Facility	Tractors/Loaders/Backhoes	1	10.00	97	0.37
12 - Above-Grade Construction for the Storage Facility	Cranes	1	12.00	231	0.29

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
1 - Mobilization & Setup	3	10.00	95.00	4.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
2 - Material Delivery & Inventory	1	8.00	30.00	116.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
3a - Grading & Site Prep (Western Parcel)	8	16.00	50.00	104.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
3b - Temporary Relocation of Existing	3	10.00	75.00	30.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4a - Civil Survey & Marking	0	6.00	30.00	0.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4b - Below-Grade Civil Construction (Western)	5	20.00	95.00	488.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
4c - Below-Grade Electrical Construction	3	16.00	95.00	120.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
5 - Underground Distribution Getaways	3	20.00	125.00	1,200.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
6a - Above-grade Structural Construction	1	20.00	210.00	120.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
6b - Above-grade Electrical Construction	1	30.00	141.00	122.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
7 - Sub-Transmission Getaways	2	10.00	171.00	26.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
8 - Substation Testing, Energization, & Cutover	0	12.00	171.00	0.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
9 - Demolition of the Old Substation	5	20.00	161.00	960.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
10 - Grading and Site Prep (Eastern Parcel)	6	16.00	65.00	40.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
11 - Below-Grade Construction for the St	4	20.00	95.00	480.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT
12 - Above-Grade Construction for the St	1	16.00	192.00	122.00	14.70	1.00	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.2 1 - Mobilization & Setup - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0193	10.8808	6.1593	0.0110		0.5344	0.5344		0.4917	0.4917		1,061.4078	1,061.4078	0.3433		1,069.9898
Total	1.0193	10.8808	6.1593	0.0110		0.5344	0.5344		0.4917	0.4917		1,061.4078	1,061.4078	0.3433		1,069.9898

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	0.0149	0.5120	0.1150	1.5000e-003	0.0350	1.5900e-003	0.0365	9.5800e-003	1.5200e-003	0.0111		162.8391	162.8391	0.0115		163.1275
Vendor	0.1577	6.0043	1.5811	7.6100e-003	0.0903	4.8000e-003	0.0951	0.0262	4.5800e-003	0.0308		813.7376	813.7376	0.1125		816.5500
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
Total	0.2187	6.5462	2.0346	0.0102	0.2370	7.2100e-003	0.2442	0.0654	6.8600e-003	0.0723		1,080.1434	1,080.1434	0.1268		1,083.3136

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.2 1 - Mobilization & Setup - 2021

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	1.0193	10.8808	6.1593	0.0110		0.5344	0.5344		0.4917	0.4917	0.0000	1,061.4078	1,061.4078	0.3433		1,069.9898
Total	1.0193	10.8808	6.1593	0.0110		0.5344	0.5344		0.4917	0.4917	0.0000	1,061.4078	1,061.4078	0.3433		1,069.9898

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	0.0149	0.5120	0.1150	1.5000e-003	0.0350	1.5900e-003	0.0365	9.5800e-003	1.5200e-003	0.0111		162.8391	162.8391	0.0115		163.1275
Vendor	0.1577	6.0043	1.5811	7.6100e-003	0.0903	4.8000e-003	0.0951	0.0262	4.5800e-003	0.0308		813.7376	813.7376	0.1125		816.5500
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
Total	0.2187	6.5462	2.0346	0.0102	0.2370	7.2100e-003	0.2442	0.0654	6.8600e-003	0.0723		1,080.1434	1,080.1434	0.1268		1,083.3136

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.3 2 - Material Delivery & Inventory - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.0388	0.3537	0.3504	4.6000e-004		0.0251	0.0251		0.0231	0.0231		44.4093	44.4093	0.0144		44.7683
Total	0.0388	0.3537	0.3504	4.6000e-004		0.0251	0.0251		0.0231	0.0231		44.4093	44.4093	0.0144		44.7683

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	0.0412	1.4141	0.3176	4.1500e-003	0.0965	4.4000e-003	0.1009	0.0265	4.2100e-003	0.0307		449.7460	449.7460	0.0319		450.5425
Vendor	0.0498	1.8961	0.4993	2.4000e-003	0.0285	1.5100e-003	0.0300	8.2800e-003	1.4500e-003	9.7200e-003		256.9698	256.9698	0.0355		257.8579
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	0.1279	3.3341	1.0877	7.3800e-003	0.2144	6.5700e-003	0.2210	0.0584	6.2700e-003	0.0647		789.5692	789.5692	0.0696		791.3094

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.3 2 - Material Delivery & Inventory - 2021

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	0.0388	0.3537	0.3504	4.6000e-004		0.0251	0.0251		0.0231	0.0231	0.0000	44.4093	44.4093	0.0144		44.7683
Total	0.0388	0.3537	0.3504	4.6000e-004		0.0251	0.0251		0.0231	0.0231	0.0000	44.4093	44.4093	0.0144		44.7683

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	0.0412	1.4141	0.3176	4.1500e-003	0.0965	4.4000e-003	0.1009	0.0265	4.2100e-003	0.0307		449.7460	449.7460	0.0319		450.5425
Vendor	0.0498	1.8961	0.4993	2.4000e-003	0.0285	1.5100e-003	0.0300	8.2800e-003	1.4500e-003	9.7200e-003		256.9698	256.9698	0.0355		257.8579
Worker	0.0369	0.0240	0.2708	8.3000e-004	0.0894	6.6000e-004	0.0901	0.0237	6.1000e-004	0.0243		82.8534	82.8534	2.2200e-003		82.9089
Total	0.1279	3.3341	1.0877	7.3800e-003	0.2144	6.5700e-003	0.2210	0.0584	6.2700e-003	0.0647		789.5692	789.5692	0.0696		791.3094

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.4 3a - Grading & Site Prep (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1558	0.0000	0.1558	0.0172	0.0000	0.0172			0.0000			0.0000
Off-Road	5.1370	57.3914	35.5944	0.0718		2.5073	2.5073		2.3068	2.3068		6,952.0606	6,952.0606	2.2484		7,008.2715
Total	5.1370	57.3914	35.5944	0.0718	0.1558	2.5073	2.6631	0.0172	2.3068	2.3240		6,952.0606	6,952.0606	2.2484		7,008.2715

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	0.0776	2.6624	0.5979	7.8200e-003	0.1817	8.2800e-003	0.1900	0.0498	7.9200e-003	0.0577		846.7631	846.7631	0.0600		848.2628
Vendor	0.0830	3.1601	0.8322	4.0000e-003	0.0475	2.5200e-003	0.0500	0.0138	2.4100e-003	0.0162		428.2829	428.2829	0.0592		429.7631
Worker	0.0738	0.0480	0.5417	1.6600e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		165.7069	165.7069	4.4400e-003		165.8179
Total	0.2344	5.8705	1.9717	0.0135	0.4081	0.0121	0.4202	0.1110	0.0115	0.1226		1,440.7529	1,440.7529	0.1236		1,443.8438

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.4 3a - Grading & Site Prep (Western Parcel) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1558	0.0000	0.1558	0.0172	0.0000	0.0172			0.0000			0.0000
Off-Road	5.1370	57.3914	35.5944	0.0718		2.5073	2.5073		2.3068	2.3068	0.0000	6,952.0606	6,952.0606	2.2484		7,008.2715
Total	5.1370	57.3914	35.5944	0.0718	0.1558	2.5073	2.6631	0.0172	2.3068	2.3240	0.0000	6,952.0606	6,952.0606	2.2484		7,008.2715

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	0.0776	2.6624	0.5979	7.8200e-003	0.1817	8.2800e-003	0.1900	0.0498	7.9200e-003	0.0577		846.7631	846.7631	0.0600		848.2628
Vendor	0.0830	3.1601	0.8322	4.0000e-003	0.0475	2.5200e-003	0.0500	0.0138	2.4100e-003	0.0162		428.2829	428.2829	0.0592		429.7631
Worker	0.0738	0.0480	0.5417	1.6600e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		165.7069	165.7069	4.4400e-003		165.8179
Total	0.2344	5.8705	1.9717	0.0135	0.4081	0.0121	0.4202	0.1110	0.0115	0.1226		1,440.7529	1,440.7529	0.1236		1,443.8438

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.5 3b - Temporary Relocation of Existing Lines - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9928	11.8555	7.9387	0.0233		0.4387	0.4387		0.4036	0.4036		2,255.713 1	2,255.713 1	0.7295		2,273.951 6
Total	0.9928	11.8555	7.9387	0.0233		0.4387	0.4387		0.4036	0.4036		2,255.713 1	2,255.713 1	0.7295		2,273.951 6

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	0.0204	0.6982	0.1568	2.0500e-003	0.0477	2.1700e-003	0.0498	0.0131	2.0800e-003	0.0151		222.0533	222.0533	0.0157		222.4465
Vendor	0.1245	4.7402	1.2482	6.0000e-003	0.0713	3.7900e-003	0.0750	0.0207	3.6200e-003	0.0243		642.4244	642.4244	0.0888		644.6447
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
Total	0.1910	5.4684	1.7436	9.0900e-003	0.2307	6.7800e-003	0.2375	0.0634	6.4600e-003	0.0699		968.0445	968.0445	0.1073		970.7274

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.5 3b - Temporary Relocation of Existing Lines - 2021

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	0.9928	11.8555	7.9387	0.0233		0.4387	0.4387		0.4036	0.4036	0.0000	2,255.713 1	2,255.713 1	0.7295		2,273.951 6
Total	0.9928	11.8555	7.9387	0.0233		0.4387	0.4387		0.4036	0.4036	0.0000	2,255.713 1	2,255.713 1	0.7295		2,273.951 6

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	0.0204	0.6982	0.1568	2.0500e-003	0.0477	2.1700e-003	0.0498	0.0131	2.0800e-003	0.0151		222.0533	222.0533	0.0157		222.4465
Vendor	0.1245	4.7402	1.2482	6.0000e-003	0.0713	3.7900e-003	0.0750	0.0207	3.6200e-003	0.0243		642.4244	642.4244	0.0888		644.6447
Worker	0.0461	0.0300	0.3385	1.0400e-003	0.1118	8.2000e-004	0.1126	0.0296	7.6000e-004	0.0304		103.5668	103.5668	2.7800e-003		103.6362
Total	0.1910	5.4684	1.7436	9.0900e-003	0.2307	6.7800e-003	0.2375	0.0634	6.4600e-003	0.0699		968.0445	968.0445	0.1073		970.7274

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.6 4a - Civil Survey & Marking - 2021

Unmitigated Construction On-Site

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

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	0.0498	1.8961	0.4993	2.4000e-003	0.0285	1.5100e-003	0.0300	8.2800e-003	1.4500e-003	9.7200e-003		256.9698	256.9698	0.0355		257.8579
Worker	0.0277	0.0180	0.2031	6.2000e-004	0.0671	4.9000e-004	0.0676	0.0178	4.5000e-004	0.0182		62.1401	62.1401	1.6700e-003		62.1817
Total	0.0775	1.9141	0.7024	3.0200e-003	0.0956	2.0000e-003	0.0976	0.0261	1.9000e-003	0.0280		319.1098	319.1098	0.0372		320.0396

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.6 4a - Civil Survey & Marking - 2021

Mitigated Construction On-Site

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

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	0.0498	1.8961	0.4993	2.4000e-003	0.0285	1.5100e-003	0.0300	8.2800e-003	1.4500e-003	9.7200e-003		256.9698	256.9698	0.0355		257.8579
Worker	0.0277	0.0180	0.2031	6.2000e-004	0.0671	4.9000e-004	0.0676	0.0178	4.5000e-004	0.0182		62.1401	62.1401	1.6700e-003		62.1817
Total	0.0775	1.9141	0.7024	3.0200e-003	0.0956	2.0000e-003	0.0976	0.0261	1.9000e-003	0.0280		319.1098	319.1098	0.0372		320.0396

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.7 4b - Below-Grade Civil Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0100	0.0000	0.0100	1.5200e-003	0.0000	1.5200e-003			0.0000			0.0000
Off-Road	1.1790	12.9031	13.9360	0.0278		0.6118	0.6118		0.5628	0.5628		2,685.6649	2,685.6649	0.8686		2,707.3798
Total	1.1790	12.9031	13.9360	0.0278	0.0100	0.6118	0.6218	1.5200e-003	0.5628	0.5644		2,685.6649	2,685.6649	0.8686		2,707.3798

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	0.0828	2.8392	0.6376	8.3400e-003	0.1938	8.8300e-003	0.2026	0.0531	8.4500e-003	0.0616		903.0166	903.0166	0.0640		904.6159
Vendor	0.1577	6.0043	1.5811	7.6100e-003	0.0903	4.8000e-003	0.0951	0.0262	4.5800e-003	0.0308		813.7376	813.7376	0.1125		816.5500
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	0.3327	8.9035	2.8958	0.0180	0.5076	0.0153	0.5229	0.1386	0.0146	0.1532		1,923.8878	1,923.8878	0.1820		1,928.4383

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.7 4b - Below-Grade Civil Construction (Western Parcel) - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0100	0.0000	0.0100	1.5200e-003	0.0000	1.5200e-003			0.0000			0.0000
Off-Road	1.1790	12.9031	13.9360	0.0278		0.6118	0.6118		0.5628	0.5628	0.0000	2,685.6649	2,685.6649	0.8686		2,707.3798
Total	1.1790	12.9031	13.9360	0.0278	0.0100	0.6118	0.6218	1.5200e-003	0.5628	0.5644	0.0000	2,685.6649	2,685.6649	0.8686		2,707.3798

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	0.0828	2.8392	0.6376	8.3400e-003	0.1938	8.8300e-003	0.2026	0.0531	8.4500e-003	0.0616		903.0166	903.0166	0.0640		904.6159
Vendor	0.1577	6.0043	1.5811	7.6100e-003	0.0903	4.8000e-003	0.0951	0.0262	4.5800e-003	0.0308		813.7376	813.7376	0.1125		816.5500
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	0.3327	8.9035	2.8958	0.0180	0.5076	0.0153	0.5229	0.1386	0.0146	0.1532		1,923.8878	1,923.8878	0.1820		1,928.4383

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.8 4c - Below-Grade Electrical Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0367	11.1232	9.3936	0.0176		0.5164	0.5164		0.4751	0.4751		1,699.7885	1,699.7885	0.5498		1,713.5322
Total	1.0367	11.1232	9.3936	0.0176		0.5164	0.5164		0.4751	0.4751		1,699.7885	1,699.7885	0.5498		1,713.5322

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	0.0389	1.3356	0.2999	3.9200e-003	0.0912	4.1500e-003	0.0953	0.0250	3.9700e-003	0.0290		424.7976	424.7976	0.0301		425.5499
Vendor	0.1577	6.0043	1.5811	7.6100e-003	0.0903	4.8000e-003	0.0951	0.0262	4.5800e-003	0.0308		813.7376	813.7376	0.1125		816.5500
Worker	0.0738	0.0480	0.5417	1.6600e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		165.7069	165.7069	4.4400e-003		165.8179
Total	0.2704	7.3879	2.4227	0.0132	0.3603	0.0103	0.3705	0.0986	9.7600e-003	0.1084		1,404.2420	1,404.2420	0.1470		1,407.9178

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.8 4c - Below-Grade Electrical Construction (Western Parcel) - 2021

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	1.0367	11.1232	9.3936	0.0176		0.5164	0.5164		0.4751	0.4751	0.0000	1,699.7885	1,699.7885	0.5498		1,713.5322
Total	1.0367	11.1232	9.3936	0.0176		0.5164	0.5164		0.4751	0.4751	0.0000	1,699.7885	1,699.7885	0.5498		1,713.5322

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	0.0389	1.3356	0.2999	3.9200e-003	0.0912	4.1500e-003	0.0953	0.0250	3.9700e-003	0.0290		424.7976	424.7976	0.0301		425.5499
Vendor	0.1577	6.0043	1.5811	7.6100e-003	0.0903	4.8000e-003	0.0951	0.0262	4.5800e-003	0.0308		813.7376	813.7376	0.1125		816.5500
Worker	0.0738	0.0480	0.5417	1.6600e-003	0.1788	1.3200e-003	0.1802	0.0474	1.2100e-003	0.0486		165.7069	165.7069	4.4400e-003		165.8179
Total	0.2704	7.3879	2.4227	0.0132	0.3603	0.0103	0.3705	0.0986	9.7600e-003	0.1084		1,404.2420	1,404.2420	0.1470		1,407.9178

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.9 5 - Underground Distribution Getaways - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0181	0.0000	0.0181	2.7400e-003	0.0000	2.7400e-003			0.0000			0.0000
Off-Road	0.9843	10.8012	8.1292	0.0150		0.5255	0.5255		0.4835	0.4835		1,450.6736	1,450.6736	0.4692		1,462.4031
Total	0.9843	10.8012	8.1292	0.0150	0.0181	0.5255	0.5436	2.7400e-003	0.4835	0.4862		1,450.6736	1,450.6736	0.4692		1,462.4031

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	0.1493	5.1199	1.1498	0.0150	0.4540	0.0159	0.4699	0.1214	0.0152	0.1367		1,628.3906	1,628.3906	0.1154		1,631.2746
Vendor	0.2075	7.9004	2.0804	0.0100	0.1188	6.3100e-003	0.1251	0.0345	6.0300e-003	0.0405		1,070.7073	1,070.7073	0.1480		1,074.4079
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	0.4490	13.0802	3.9073	0.0271	0.7963	0.0239	0.8202	0.2152	0.0228	0.2380		2,906.2316	2,906.2316	0.2689		2,912.9549

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.9 5 - Underground Distribution Getaways - 2021

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0181	0.0000	0.0181	2.7400e-003	0.0000	2.7400e-003			0.0000			0.0000
Off-Road	0.9843	10.8012	8.1292	0.0150		0.5255	0.5255		0.4835	0.4835	0.0000	1,450.6736	1,450.6736	0.4692		1,462.4031
Total	0.9843	10.8012	8.1292	0.0150	0.0181	0.5255	0.5436	2.7400e-003	0.4835	0.4862	0.0000	1,450.6736	1,450.6736	0.4692		1,462.4031

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	0.1493	5.1199	1.1498	0.0150	0.4540	0.0159	0.4699	0.1214	0.0152	0.1367		1,628.3906	1,628.3906	0.1154		1,631.2746
Vendor	0.2075	7.9004	2.0804	0.0100	0.1188	6.3100e-003	0.1251	0.0345	6.0300e-003	0.0405		1,070.7073	1,070.7073	0.1480		1,074.4079
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	0.4490	13.0802	3.9073	0.0271	0.7963	0.0239	0.8202	0.2152	0.0228	0.2380		2,906.2316	2,906.2316	0.2689		2,912.9549

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.10 6a - Above-grade Structural Construction (Western Parcel) - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6194	7.2740	2.9743	8.6500e-003		0.2953	0.2953		0.2717	0.2717		838.1082	838.1082	0.2711		844.8847
Total	0.6194	7.2740	2.9743	8.6500e-003		0.2953	0.2953		0.2717	0.2717		838.1082	838.1082	0.2711		844.8847

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	0.0149	0.5120	0.1150	1.5000e-003	0.0454	1.5900e-003	0.0470	0.0121	1.5200e-003	0.0137		162.8391	162.8391	0.0115		163.1275
Vendor	0.3485	13.2726	3.4950	0.0168	0.1995	0.0106	0.2101	0.0579	0.0101	0.0681		1,798.7883	1,798.7883	0.2487		1,805.0052
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	0.4557	13.8445	4.2871	0.0204	0.4685	0.0138	0.4823	0.1294	0.0132	0.1425		2,168.7610	2,168.7610	0.2658		2,175.4050

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.10 6a - Above-grade Structural Construction (Western Parcel) - 2021

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	0.6194	7.2740	2.9743	8.6500e-003		0.2953	0.2953		0.2717	0.2717	0.0000	838.1082	838.1082	0.2711		844.8847
Total	0.6194	7.2740	2.9743	8.6500e-003		0.2953	0.2953		0.2717	0.2717	0.0000	838.1082	838.1082	0.2711		844.8847

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	0.0149	0.5120	0.1150	1.5000e-003	0.0454	1.5900e-003	0.0470	0.0121	1.5200e-003	0.0137		162.8391	162.8391	0.0115		163.1275
Vendor	0.3485	13.2726	3.4950	0.0168	0.1995	0.0106	0.2101	0.0579	0.0101	0.0681		1,798.7883	1,798.7883	0.2487		1,805.0052
Worker	0.0922	0.0599	0.6771	2.0800e-003	0.2236	1.6500e-003	0.2252	0.0593	1.5200e-003	0.0608		207.1336	207.1336	5.5500e-003		207.2724
Total	0.4557	13.8445	4.2871	0.0204	0.4685	0.0138	0.4823	0.1294	0.0132	0.1425		2,168.7610	2,168.7610	0.2658		2,175.4050

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0149	0.5120	0.1150	1.5000e-003	0.0934	1.5900e-003	0.0950	0.0239	1.5200e-003	0.0255		162.8391	162.8391	0.0115		163.1275
Vendor	0.2340	8.9116	2.3467	0.0113	0.1340	7.1200e-003	0.1411	0.0389	6.8000e-003	0.0457		1,207.7579	1,207.7579	0.1670		1,211.9321
Worker	0.1384	0.0899	1.0156	3.1200e-003	0.3353	2.4700e-003	0.3378	0.0889	2.2700e-003	0.0912		310.7004	310.7004	8.3300e-003		310.9085
Total	0.3873	9.5135	3.4773	0.0159	0.5627	0.0112	0.5739	0.1518	0.0106	0.1624		1,681.2973	1,681.2973	0.1868		1,685.9681

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0149	0.5120	0.1150	1.5000e-003	0.0934	1.5900e-003	0.0950	0.0239	1.5200e-003	0.0255		162.8391	162.8391	0.0115		163.1275
Vendor	0.2340	8.9116	2.3467	0.0113	0.1340	7.1200e-003	0.1411	0.0389	6.8000e-003	0.0457		1,207.7579	1,207.7579	0.1670		1,211.9321
Worker	0.1384	0.0899	1.0156	3.1200e-003	0.3353	2.4700e-003	0.3378	0.0889	2.2700e-003	0.0912		310.7004	310.7004	8.3300e-003		310.9085
Total	0.3873	9.5135	3.4773	0.0159	0.5627	0.0112	0.5739	0.1518	0.0106	0.1624		1,681.2973	1,681.2973	0.1868		1,685.9681

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.4725	0.1134	1.4800e-003	0.0730	1.3700e-003	0.0744	0.0189	1.3100e-003	0.0202		160.8927	160.8927	0.0113		161.1755
Vendor	0.2177	8.6529	2.1956	0.0112	0.1340	6.0800e-003	0.1400	0.0389	5.8100e-003	0.0447		1,197.0266	1,197.0266	0.1581		1,200.9785
Worker	0.1301	0.0812	0.9374	3.0100e-003	0.3353	2.4000e-003	0.3377	0.0889	2.2100e-003	0.0911		299.5610	299.5610	7.5200e-003		299.7489
Total	0.3620	9.2066	3.2464	0.0157	0.5423	9.8500e-003	0.5522	0.1468	9.3300e-003	0.1561		1,657.4803	1,657.4803	0.1769		1,661.9030

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.11 6b - Above-grade Electrical Construction (Western Parcel) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.4725	0.1134	1.4800e-003	0.0730	1.3700e-003	0.0744	0.0189	1.3100e-003	0.0202		160.8927	160.8927	0.0113		161.1755
Vendor	0.2177	8.6529	2.1956	0.0112	0.1340	6.0800e-003	0.1400	0.0389	5.8100e-003	0.0447		1,197.0266	1,197.0266	0.1581		1,200.9785
Worker	0.1301	0.0812	0.9374	3.0100e-003	0.3353	2.4000e-003	0.3377	0.0889	2.2100e-003	0.0911		299.5610	299.5610	7.5200e-003		299.7489
Total	0.3620	9.2066	3.2464	0.0157	0.5423	9.8500e-003	0.5522	0.1468	9.3300e-003	0.1561		1,657.4803	1,657.4803	0.1769		1,661.9030

3.12 7 - Sub-Transmission Getaways - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7464	8.0634	4.9169	0.0190		0.3081	0.3081		0.2835	0.2835		1,840.4890	1,840.4890	0.5953		1,855.3703
Total	0.7464	8.0634	4.9169	0.0190		0.3081	0.3081		0.2835	0.2835		1,840.4890	1,840.4890	0.5953		1,855.3703

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.12 7 - Sub-Transmission Getaways - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.4725	0.1134	1.4800e-003	0.0429	1.3700e-003	0.0443	0.0115	1.3100e-003	0.0128		160.8927	160.8927	0.0113		161.1755
Vendor	0.2641	10.4939	2.6628	0.0136	0.1625	7.3700e-003	0.1698	0.0472	7.0400e-003	0.0542		1,451.7131	1,451.7131	0.1917		1,456.5059
Worker	0.0434	0.0271	0.3125	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		99.8537	99.8537	2.5100e-003		99.9163
Total	0.3216	10.9935	3.0886	0.0160	0.3171	9.5400e-003	0.3267	0.0883	9.0900e-003	0.0974		1,712.4595	1,712.4595	0.2055		1,717.5977

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	0.7464	8.0634	4.9169	0.0190		0.3081	0.3081		0.2835	0.2835	0.0000	1,840.4890	1,840.4890	0.5953		1,855.3703
Total	0.7464	8.0634	4.9169	0.0190		0.3081	0.3081		0.2835	0.2835	0.0000	1,840.4890	1,840.4890	0.5953		1,855.3703

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.12 7 - Sub-Transmission Getaways - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.4725	0.1134	1.4800e-003	0.0429	1.3700e-003	0.0443	0.0115	1.3100e-003	0.0128		160.8927	160.8927	0.0113		161.1755
Vendor	0.2641	10.4939	2.6628	0.0136	0.1625	7.3700e-003	0.1698	0.0472	7.0400e-003	0.0542		1,451.7131	1,451.7131	0.1917		1,456.5059
Worker	0.0434	0.0271	0.3125	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		99.8537	99.8537	2.5100e-003		99.9163
Total	0.3216	10.9935	3.0886	0.0160	0.3171	9.5400e-003	0.3267	0.0883	9.0900e-003	0.0974		1,712.4595	1,712.4595	0.2055		1,717.5977

3.13 8 - Substation Testing, Energization, & Cutover - 2022

Unmitigated Construction On-Site

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

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.13 8 - Substation Testing, Energization, & Cutover - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2641	10.4939	2.6628	0.0136	0.1625	7.3700e-003	0.1698	0.0472	7.0400e-003	0.0542		1,451.7131	1,451.7131	0.1917		1,456.5059
Worker	0.0521	0.0325	0.3750	1.2000e-003	0.1341	9.6000e-004	0.1351	0.0356	8.8000e-004	0.0365		119.8244	119.8244	3.0100e-003		119.8996
Total	0.3161	10.5264	3.0378	0.0148	0.2966	8.3300e-003	0.3049	0.0827	7.9200e-003	0.0907		1,571.5375	1,571.5375	0.1947		1,576.4055

Mitigated Construction On-Site

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

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.13 8 - Substation Testing, Energization, & Cutover - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.2641	10.4939	2.6628	0.0136	0.1625	7.3700e-003	0.1698	0.0472	7.0400e-003	0.0542		1,451.7131	1,451.7131	0.1917		1,456.5059
Worker	0.0521	0.0325	0.3750	1.2000e-003	0.1341	9.6000e-004	0.1351	0.0356	8.8000e-004	0.0365		119.8244	119.8244	3.0100e-003		119.8996
Total	0.3161	10.5264	3.0378	0.0148	0.2966	8.3300e-003	0.3049	0.0827	7.9200e-003	0.0907		1,571.5375	1,571.5375	0.1947		1,576.4055

3.14 9 - Demolition of the Old Substation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3695	0.0000	1.3695	0.2074	0.0000	0.2074			0.0000			0.0000
Off-Road	0.9203	9.1351	12.0872	0.0211		0.4053	0.4053		0.3729	0.3729		2,044.4806	2,044.4806	0.6612		2,061.0113
Total	0.9203	9.1351	12.0872	0.0211	1.3695	0.4053	1.7748	0.2074	0.3729	0.5802		2,044.4806	2,044.4806	0.6612		2,061.0113

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.14 9 - Demolition of the Old Substation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1134	3.7802	0.9071	0.0119	0.3632	0.0110	0.3742	0.0972	0.0105	0.1076		1,287.141 2	1,287.141 2	0.0905		1,289.403 9
Vendor	0.2486	9.8803	2.5071	0.0128	0.1530	6.9400e-003	0.1599	0.0444	6.6300e-003	0.0511		1,366.817 6	1,366.817 6	0.1805		1,371.330 1
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	0.4488	13.7146	4.0391	0.0266	0.7397	0.0195	0.7592	0.2009	0.0186	0.2194		2,853.666 2	2,853.666 2	0.2760		2,860.566 6

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.3695	0.0000	1.3695	0.2074	0.0000	0.2074			0.0000			0.0000
Off-Road	0.9203	9.1351	12.0872	0.0211		0.4053	0.4053		0.3729	0.3729	0.0000	2,044.480 6	2,044.480 6	0.6612		2,061.0113
Total	0.9203	9.1351	12.0872	0.0211	1.3695	0.4053	1.7748	0.2074	0.3729	0.5802	0.0000	2,044.480 6	2,044.480 6	0.6612		2,061.011 3

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.14 9 - Demolition of the Old Substation - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1134	3.7802	0.9071	0.0119	0.3632	0.0110	0.3742	0.0972	0.0105	0.1076		1,287.141 2	1,287.141 2	0.0905		1,289.403 9
Vendor	0.2486	9.8803	2.5071	0.0128	0.1530	6.9400e-003	0.1599	0.0444	6.6300e-003	0.0511		1,366.817 6	1,366.817 6	0.1805		1,371.330 1
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	0.4488	13.7146	4.0391	0.0266	0.7397	0.0195	0.7592	0.2009	0.0186	0.2194		2,853.666 2	2,853.666 2	0.2760		2,860.566 6

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2448	0.0000	0.2448	0.0268	0.0000	0.0268			0.0000			0.0000
Off-Road	3.2088	35.0899	22.5197	0.0490		1.5168	1.5168		1.3954	1.3954		4,743.987 4	4,743.987 4	1.5343		4,782.344 9
Total	3.2088	35.0899	22.5197	0.0490	0.2448	1.5168	1.7615	0.0268	1.3954	1.4222		4,743.987 4	4,743.987 4	1.5343		4,782.344 9

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0567	1.8901	0.4536	5.9400e-003	0.1662	5.4800e-003	0.1717	0.0448	5.2400e-003	0.0500		643.5706	643.5706	0.0453		644.7020
Vendor	0.1004	3.9889	1.0122	5.1500e-003	0.0618	2.8000e-003	0.0646	0.0179	2.6800e-003	0.0206		551.8208	551.8208	0.0729		553.6426
Worker	0.0694	0.0433	0.5000	1.6000e-003	0.1788	1.2800e-003	0.1801	0.0474	1.1800e-003	0.0486		159.7658	159.7658	4.0100e-003		159.8661
Total	0.2265	5.9223	1.9657	0.0127	0.4068	9.5600e-003	0.4164	0.1102	9.1000e-003	0.1193		1,355.1573	1,355.1573	0.1221		1,358.2106

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2448	0.0000	0.2448	0.0268	0.0000	0.0268			0.0000			0.0000
Off-Road	3.2088	35.0899	22.5197	0.0490		1.5168	1.5168		1.3954	1.3954	0.0000	4,743.9874	4,743.9874	1.5343		4,782.3449
Total	3.2088	35.0899	22.5197	0.0490	0.2448	1.5168	1.7615	0.0268	1.3954	1.4222	0.0000	4,743.9874	4,743.9874	1.5343		4,782.3449

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.15 10 - Grading and Site Prep (Eastern Parcel) - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0567	1.8901	0.4536	5.9400e-003	0.1662	5.4800e-003	0.1717	0.0448	5.2400e-003	0.0500		643.5706	643.5706	0.0453		644.7020
Vendor	0.1004	3.9889	1.0122	5.1500e-003	0.0618	2.8000e-003	0.0646	0.0179	2.6800e-003	0.0206		551.8208	551.8208	0.0729		553.6426
Worker	0.0694	0.0433	0.5000	1.6000e-003	0.1788	1.2800e-003	0.1801	0.0474	1.1800e-003	0.0486		159.7658	159.7658	4.0100e-003		159.8661
Total	0.2265	5.9223	1.9657	0.0127	0.4068	9.5600e-003	0.4164	0.1102	9.1000e-003	0.1193		1,355.1573	1,355.1573	0.1221		1,358.2106

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2400e-003	0.0000	7.2400e-003	1.1000e-003	0.0000	1.1000e-003			0.0000			0.0000
Off-Road	0.8978	9.1167	10.9437	0.0235		0.4289	0.4289		0.3946	0.3946		2,271.5971	2,271.5971	0.7347		2,289.9641
Total	0.8978	9.1167	10.9437	0.0235	7.2400e-003	0.4289	0.4361	1.1000e-003	0.3946	0.3957		2,271.5971	2,271.5971	0.7347		2,289.9641

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0567	1.8901	0.4536	5.9400e-003	0.1751	5.4800e-003	0.1805	0.0470	5.2400e-003	0.0522		643.5706	643.5706	0.0453		644.7020
Vendor	0.1467	5.8300	1.4793	7.5300e-003	0.0903	4.0900e-003	0.0944	0.0262	3.9100e-003	0.0301		806.5073	806.5073	0.1065		809.1699
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	0.2902	7.7742	2.5578	0.0155	0.4889	0.0112	0.5000	0.1325	0.0106	0.1431		1,649.7852	1,649.7852	0.1568		1,653.7045

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2400e-003	0.0000	7.2400e-003	1.1000e-003	0.0000	1.1000e-003			0.0000			0.0000
Off-Road	0.8978	9.1167	10.9437	0.0235		0.4289	0.4289		0.3946	0.3946	0.0000	2,271.5971	2,271.5971	0.7347		2,289.9641
Total	0.8978	9.1167	10.9437	0.0235	7.2400e-003	0.4289	0.4361	1.1000e-003	0.3946	0.3957	0.0000	2,271.5971	2,271.5971	0.7347		2,289.9641

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.16 11 - Below-Grade Construction for the Storage Facility - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0567	1.8901	0.4536	5.9400e-003	0.1751	5.4800e-003	0.1805	0.0470	5.2400e-003	0.0522		643.5706	643.5706	0.0453		644.7020
Vendor	0.1467	5.8300	1.4793	7.5300e-003	0.0903	4.0900e-003	0.0944	0.0262	3.9100e-003	0.0301		806.5073	806.5073	0.1065		809.1699
Worker	0.0868	0.0541	0.6250	2.0000e-003	0.2236	1.6000e-003	0.2252	0.0593	1.4700e-003	0.0608		199.7073	199.7073	5.0100e-003		199.8326
Total	0.2902	7.7742	2.5578	0.0155	0.4889	0.0112	0.5000	0.1325	0.0106	0.1431		1,649.7852	1,649.7852	0.1568		1,653.7045

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5595	6.2764	2.8385	8.6500e-003		0.2606	0.2606		0.2398	0.2398		838.2455	838.2455	0.2711		845.0232
Total	0.5595	6.2764	2.8385	8.6500e-003		0.2606	0.2606		0.2398	0.2398		838.2455	838.2455	0.2711		845.0232

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.4725	0.1134	1.4800e-003	0.0452	1.3700e-003	0.0465	0.0121	1.3100e-003	0.0134		160.8927	160.8927	0.0113		161.1755
Vendor	0.2965	11.7827	2.9898	0.0152	0.1824	8.2700e-003	0.1907	0.0530	7.9100e-003	0.0609		1,629.9937	1,629.9937	0.2153		1,635.3750
Worker	0.0694	0.0433	0.5000	1.6000e-003	0.1788	1.2800e-003	0.1801	0.0474	1.1800e-003	0.0486		159.7658	159.7658	4.0100e-003		159.8661
Total	0.3801	12.2985	3.6031	0.0183	0.4064	0.0109	0.4173	0.1125	0.0104	0.1229		1,950.6522	1,950.6522	0.2306		1,956.4166

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	0.5595	6.2764	2.8385	8.6500e-003		0.2606	0.2606		0.2398	0.2398	0.0000	838.2455	838.2455	0.2711		845.0232
Total	0.5595	6.2764	2.8385	8.6500e-003		0.2606	0.2606		0.2398	0.2398	0.0000	838.2455	838.2455	0.2711		845.0232

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

3.17 12 - Above-Grade Construction for the Storage Facility - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0142	0.4725	0.1134	1.4800e-003	0.0452	1.3700e-003	0.0465	0.0121	1.3100e-003	0.0134		160.8927	160.8927	0.0113		161.1755
Vendor	0.2965	11.7827	2.9898	0.0152	0.1824	8.2700e-003	0.1907	0.0530	7.9100e-003	0.0609		1,629.9937	1,629.9937	0.2153		1,635.3750
Worker	0.0694	0.0433	0.5000	1.6000e-003	0.1788	1.2800e-003	0.1801	0.0474	1.1800e-003	0.0486		159.7658	159.7658	4.0100e-003		159.8661
Total	0.3801	12.2985	3.6031	0.0183	0.4064	0.0109	0.4173	0.1125	0.0104	0.1229		1,950.6522	1,950.6522	0.2306		1,956.4166

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Hunter Substation Replacement Project - South Coast 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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
User Defined Industrial	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

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
User Defined Industrial	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
User Defined Industrial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

Hunter Substation Replacement Project - South Coast 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	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Hunter Substation Replacement Project - South Coast 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					
User Defined Industrial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Unmitigated	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

Hunter Substation Replacement Project - South Coast 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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

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	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117
Total	4.7000e-004	5.0000e-005	5.1000e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0109	0.0109	3.0000e-005		0.0117

7.0 Water Detail

Hunter Substation Replacement Project - South Coast AQMD Air District, Winter

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

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

10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation