

CVWD NPW Connections - Riverside-Salton Sea County, Annual

**CVWD NPW Connections
Riverside-Salton Sea County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	250.00	1000sqft	5.74	250,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 - Total sf = 50,000 linear feet by 5 feet width

Construction Phase - Grading phase used as a proxy for trenching, laying pipe.

Paving phase used for repaving surfaces

Off-road Equipment - Revised to reflect pipeline trenching typical equipment and hours/day. (6 hrs/day)

Off-road Equipment - Assumed to be used 6 hrs per day.

Trips and VMT - Assumed 4 one-way trips per day total for vendor deliveries of materials. Hauling trips calculated based on soil import/export calcs.

Grading -

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Rule 403.

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	68
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	68
tblConstructionPhase	NumDays	20.00	805.00
tblConstructionPhase	NumDays	20.00	805.00
tblConstructionPhase	PhaseEndDate	1/24/2018	10/1/2021
tblConstructionPhase	PhaseEndDate	2/21/2018	10/1/2021
tblConstructionPhase	PhaseStartDate	12/28/2017	9/3/2018
tblConstructionPhase	PhaseStartDate	1/25/2018	9/3/2018
tblOffRoadEquipment	HorsePower	78.00	187.00
tblOffRoadEquipment	HorsePower	9.00	80.00
tblOffRoadEquipment	LoadFactor	0.50	0.41
tblOffRoadEquipment	LoadFactor	0.56	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Trenchers
tblOffRoadEquipment	OffRoadEquipmentType	Rollers	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	579.00
tblTripsAndVMT	HaulingTripNumber	0.00	579.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00

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2.0 Emissions Summary**2.1 Overall Construction****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.1655	1.8356	1.0142	1.9400e-003	0.4867	0.0888	0.5755	0.1691	0.0817	0.2508	0.0000	177.4064	177.4064	0.0519	0.0000	178.7044
2019	0.4664	5.1315	3.0232	5.8700e-003	1.0274	0.2437	1.2711	0.4625	0.2243	0.6867	0.0000	529.4377	529.4377	0.1574	0.0000	533.3718
2020	0.4424	4.8149	2.9927	5.8900e-003	1.0305	0.2258	1.2562	0.4642	0.2077	0.6719	0.0000	520.0420	520.0420	0.1578	0.0000	523.9865
2021	0.3105	3.3584	2.2059	4.4000e-003	0.8265	0.1539	0.9804	0.3535	0.1416	0.4951	0.0000	388.4448	388.4448	0.1179	0.0000	391.3930
Maximum	0.4664	5.1315	3.0232	5.8900e-003	1.0305	0.2437	1.2711	0.4642	0.2243	0.6867	0.0000	529.4377	529.4377	0.1578	0.0000	533.3718

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2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018	0.1655	1.8356	1.0142	1.9400e-003	0.1654	0.0888	0.2543	0.0566	0.0817	0.1383	0.0000	177.4062	177.4062	0.0519	0.0000	178.7042
2019	0.4664	5.1315	3.0231	5.8700e-003	0.3479	0.2437	0.5916	0.1531	0.2243	0.3773	0.0000	529.4371	529.4371	0.1574	0.0000	533.3712
2020	0.4424	4.8148	2.9926	5.8900e-003	0.3489	0.2258	0.5747	0.1536	0.2077	0.3613	0.0000	520.0414	520.0414	0.1578	0.0000	523.9860
2021	0.3105	3.3584	2.2059	4.4000e-003	0.2801	0.1539	0.4340	0.1172	0.1416	0.2588	0.0000	388.4444	388.4444	0.1179	0.0000	391.3925
Maximum	0.4664	5.1315	3.0231	5.8900e-003	0.3489	0.2437	0.5916	0.1536	0.2243	0.3773	0.0000	529.4371	529.4371	0.1578	0.0000	533.3712

	ROG	NOx	CO	SO2	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	66.12	0.00	54.58	66.84	0.00	46.03	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
3	6-28-2018	9-27-2018	0.4154	0.4154
4	9-28-2018	12-27-2018	1.5121	1.5121
5	12-28-2018	3-27-2019	1.3837	1.3837
6	3-28-2019	6-27-2019	1.4091	1.4091
7	6-28-2019	9-27-2019	1.4091	1.4091
8	9-28-2019	12-27-2019	1.3938	1.3938
9	12-28-2019	3-27-2020	1.3080	1.3080
10	3-28-2020	6-27-2020	1.3184	1.3184

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11	6-28-2020	9-27-2020	1.3184	1.3184
12	9-28-2020	12-27-2020	1.3040	1.3040
13	12-28-2020	3-27-2021	1.2070	1.2070
14	3-28-2021	6-27-2021	1.2300	1.2300
15	6-28-2021	9-27-2021	1.2300	1.2300
16	9-28-2021	9-30-2021	0.0401	0.0401
		Highest	1.5121	1.5121

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3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	9/3/2018	10/1/2021	5	805	
2	Paving	Paving	9/3/2018	10/1/2021	5	805	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 402.5

Acres of Paving: 5.74

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

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Trenchers	1	6.00	187	0.41
Grading	Excavators	1	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Rollers	2	8.00	80	0.38
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	6.00	132	0.36
Paving	Cement and Mortar Mixers	1	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	8.00	2.00	579.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	8.00	2.00	579.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.4724	0.0000	0.4724	0.1654	0.0000	0.1654	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1204	1.3802	0.6427	1.2900e-003		0.0639	0.0639		0.0588	0.0588	0.0000	117.7051	117.7051	0.0366	0.0000	118.6212
Total	0.1204	1.3802	0.6427	1.2900e-003	0.4724	0.0639	0.5363	0.1654	0.0588	0.2242	0.0000	117.7051	117.7051	0.0366	0.0000	118.6212

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9000e-004	8.6400e-003	1.0500e-003	2.0000e-005	3.8900e-003	3.0000e-005	3.9200e-003	9.7000e-004	3.0000e-005	1.0000e-003	0.0000	2.2865	2.2865	1.5000e-004	0.0000	2.2903
Vendor	2.9000e-004	9.6500e-003	1.9900e-003	2.0000e-005	4.3000e-004	7.0000e-005	5.0000e-004	1.2000e-004	7.0000e-005	1.9000e-004	0.0000	1.8106	1.8106	1.8000e-004	0.0000	1.8152
Worker	1.5100e-003	1.0900e-003	0.0114	3.0000e-005	2.8300e-003	2.0000e-005	2.8500e-003	7.5000e-004	2.0000e-005	7.7000e-004	0.0000	2.5399	2.5399	8.0000e-005	0.0000	2.5418
Total	1.9900e-003	0.0194	0.0145	7.0000e-005	7.1500e-003	1.2000e-004	7.2700e-003	1.8400e-003	1.2000e-004	1.9600e-003	0.0000	6.6371	6.6371	4.1000e-004	0.0000	6.6474

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3.2 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.1512	0.0000	0.1512	0.0529	0.0000	0.0529	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1204	1.3802	0.6427	1.2900e-003		0.0639	0.0639		0.0588	0.0588	0.0000	117.7050	117.7050	0.0366	0.0000	118.6211
Total	0.1204	1.3802	0.6427	1.2900e-003	0.1512	0.0639	0.2151	0.0529	0.0588	0.1117	0.0000	117.7050	117.7050	0.0366	0.0000	118.6211

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9000e-004	8.6400e-003	1.0500e-003	2.0000e-005	3.8900e-003	3.0000e-005	3.9200e-003	9.7000e-004	3.0000e-005	1.0000e-003	0.0000	2.2865	2.2865	1.5000e-004	0.0000	2.2903
Vendor	2.9000e-004	9.6500e-003	1.9900e-003	2.0000e-005	4.3000e-004	7.0000e-005	5.0000e-004	1.2000e-004	7.0000e-005	1.9000e-004	0.0000	1.8106	1.8106	1.8000e-004	0.0000	1.8152
Worker	1.5100e-003	1.0900e-003	0.0114	3.0000e-005	2.8300e-003	2.0000e-005	2.8500e-003	7.5000e-004	2.0000e-005	7.7000e-004	0.0000	2.5399	2.5399	8.0000e-005	0.0000	2.5418
Total	1.9900e-003	0.0194	0.0145	7.0000e-005	7.1500e-003	1.2000e-004	7.2700e-003	1.8400e-003	1.2000e-004	1.9600e-003	0.0000	6.6371	6.6371	4.1000e-004	0.0000	6.6474

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Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.9993	0.0000	0.9993	0.4550	0.0000	0.4550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3448	3.9098	1.9151	3.9100e-003		0.1787	0.1787		0.1644	0.1644	0.0000	351.1934	351.1934	0.1111	0.0000	353.9712
Total	0.3448	3.9098	1.9151	3.9100e-003	0.9993	0.1787	1.1780	0.4550	0.1644	0.6194	0.0000	351.1934	351.1934	0.1111	0.0000	353.9712

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.4000e-004	0.0246	3.1000e-003	7.0000e-005	4.1600e-003	9.0000e-005	4.2400e-003	1.0700e-003	8.0000e-005	1.1500e-003	0.0000	6.8759	6.8759	4.5000e-004	0.0000	6.8871
Vendor	7.9000e-004	0.0276	5.5100e-003	6.0000e-005	1.2900e-003	1.8000e-004	1.4700e-003	3.7000e-004	1.7000e-004	5.5000e-004	0.0000	5.4586	5.4586	5.3000e-004	0.0000	5.4719
Worker	4.2000e-003	2.9200e-003	0.0310	8.0000e-005	8.5900e-003	6.0000e-005	8.6400e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.4729	7.4729	2.1000e-004	0.0000	7.4782
Total	5.5300e-003	0.0551	0.0396	2.1000e-004	0.0140	3.3000e-004	0.0144	3.7200e-003	3.0000e-004	4.0300e-003	0.0000	19.8074	19.8074	1.1900e-003	0.0000	19.8372

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3198	0.0000	0.3198	0.1456	0.0000	0.1456	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3448	3.9098	1.9151	3.9100e-003		0.1787	0.1787		0.1644	0.1644	0.0000	351.1930	351.1930	0.1111	0.0000	353.9708
Total	0.3448	3.9098	1.9151	3.9100e-003	0.3198	0.1787	0.4985	0.1456	0.1644	0.3100	0.0000	351.1930	351.1930	0.1111	0.0000	353.9708

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.4000e-004	0.0246	3.1000e-003	7.0000e-005	4.1600e-003	9.0000e-005	4.2400e-003	1.0700e-003	8.0000e-005	1.1500e-003	0.0000	6.8759	6.8759	4.5000e-004	0.0000	6.8871
Vendor	7.9000e-004	0.0276	5.5100e-003	6.0000e-005	1.2900e-003	1.8000e-004	1.4700e-003	3.7000e-004	1.7000e-004	5.5000e-004	0.0000	5.4586	5.4586	5.3000e-004	0.0000	5.4719
Worker	4.2000e-003	2.9200e-003	0.0310	8.0000e-005	8.5900e-003	6.0000e-005	8.6400e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.4729	7.4729	2.1000e-004	0.0000	7.4782
Total	5.5300e-003	0.0551	0.0396	2.1000e-004	0.0140	3.3000e-004	0.0144	3.7200e-003	3.0000e-004	4.0300e-003	0.0000	19.8074	19.8074	1.1900e-003	0.0000	19.8372

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3.2 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0023	0.0000	1.0023	0.4567	0.0000	0.4567	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3291	3.6818	1.8907	3.9200e-003		0.1666	0.1666		0.1532	0.1532	0.0000	344.8342	344.8342	0.1115	0.0000	347.6224
Total	0.3291	3.6818	1.8907	3.9200e-003	1.0023	0.1666	1.1689	0.4567	0.1532	0.6099	0.0000	344.8342	344.8342	0.1115	0.0000	347.6224

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-004	0.0229	2.9600e-003	7.0000e-005	4.1600e-003	7.0000e-005	4.2300e-003	1.0700e-003	7.0000e-005	1.1400e-003	0.0000	6.8320	6.8320	4.3000e-004	0.0000	6.8427
Vendor	6.7000e-004	0.0252	4.9300e-003	6.0000e-005	1.3000e-003	1.2000e-004	1.4200e-003	3.7000e-004	1.2000e-004	4.9000e-004	0.0000	5.4420	5.4420	5.0000e-004	0.0000	5.4545
Worker	3.9000e-003	2.6100e-003	0.0282	8.0000e-005	8.6200e-003	5.0000e-005	8.6800e-003	2.2900e-003	5.0000e-005	2.3400e-003	0.0000	7.2646	7.2646	1.9000e-004	0.0000	7.2693
Total	5.0700e-003	0.0507	0.0361	2.1000e-004	0.0141	2.4000e-004	0.0143	3.7300e-003	2.4000e-004	3.9700e-003	0.0000	19.5386	19.5386	1.1200e-003	0.0000	19.5665

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3207	0.0000	0.3207	0.1461	0.0000	0.1461	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.3291	3.6818	1.8907	3.9200e-003		0.1666	0.1666		0.1532	0.1532	0.0000	344.8338	344.8338	0.1115	0.0000	347.6220
Total	0.3291	3.6818	1.8907	3.9200e-003	0.3207	0.1666	0.4873	0.1461	0.1532	0.2994	0.0000	344.8338	344.8338	0.1115	0.0000	347.6220

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-004	0.0229	2.9600e-003	7.0000e-005	4.1600e-003	7.0000e-005	4.2300e-003	1.0700e-003	7.0000e-005	1.1400e-003	0.0000	6.8320	6.8320	4.3000e-004	0.0000	6.8427
Vendor	6.7000e-004	0.0252	4.9300e-003	6.0000e-005	1.3000e-003	1.2000e-004	1.4200e-003	3.7000e-004	1.2000e-004	4.9000e-004	0.0000	5.4420	5.4420	5.0000e-004	0.0000	5.4545
Worker	3.9000e-003	2.6100e-003	0.0282	8.0000e-005	8.6200e-003	5.0000e-005	8.6800e-003	2.2900e-003	5.0000e-005	2.3400e-003	0.0000	7.2646	7.2646	1.9000e-004	0.0000	7.2693
Total	5.0700e-003	0.0507	0.0361	2.1000e-004	0.0141	2.4000e-004	0.0143	3.7300e-003	2.4000e-004	3.9700e-003	0.0000	19.5386	19.5386	1.1200e-003	0.0000	19.5665

CVWD NPW Connections - Riverside-Salton Sea County, Annual

3.2 Grading - 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					0.8036	0.0000	0.8036	0.3475	0.0000	0.3475	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2323	2.5789	1.3876	2.9300e-003		0.1143	0.1143		0.1052	0.1052	0.0000	257.9239	257.9239	0.0834	0.0000	260.0093
Total	0.2323	2.5789	1.3876	2.9300e-003	0.8036	0.1143	0.9179	0.3475	0.1052	0.4526	0.0000	257.9239	257.9239	0.0834	0.0000	260.0093

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5000e-004	0.0157	2.1600e-003	5.0000e-005	4.0600e-003	5.0000e-005	4.1000e-003	1.0300e-003	4.0000e-005	1.0800e-003	0.0000	5.0574	5.0574	3.1000e-004	0.0000	5.0651
Vendor	4.3000e-004	0.0171	3.2800e-003	4.0000e-005	9.7000e-004	3.0000e-005	1.0000e-003	2.8000e-004	3.0000e-005	3.1000e-004	0.0000	4.0385	4.0385	3.5000e-004	0.0000	4.0473
Worker	2.7200e-003	1.7500e-003	0.0193	6.0000e-005	6.4500e-003	4.0000e-005	6.4900e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.2530	5.2530	1.3000e-004	0.0000	5.2561
Total	3.5000e-003	0.0345	0.0247	1.5000e-004	0.0115	1.2000e-004	0.0116	3.0200e-003	1.1000e-004	3.1400e-003	0.0000	14.3489	14.3489	7.9000e-004	0.0000	14.3686

CVWD NPW Connections - Riverside-Salton Sea County, Annual

3.2 Grading - 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					0.2572	0.0000	0.2572	0.1112	0.0000	0.1112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2323	2.5789	1.3876	2.9300e-003		0.1143	0.1143		0.1052	0.1052	0.0000	257.9236	257.9236	0.0834	0.0000	260.0090
Total	0.2323	2.5789	1.3876	2.9300e-003	0.2572	0.1143	0.3715	0.1112	0.1052	0.2164	0.0000	257.9236	257.9236	0.0834	0.0000	260.0090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5000e-004	0.0157	2.1600e-003	5.0000e-005	4.0600e-003	5.0000e-005	4.1000e-003	1.0300e-003	4.0000e-005	1.0800e-003	0.0000	5.0574	5.0574	3.1000e-004	0.0000	5.0651
Vendor	4.3000e-004	0.0171	3.2800e-003	4.0000e-005	9.7000e-004	3.0000e-005	1.0000e-003	2.8000e-004	3.0000e-005	3.1000e-004	0.0000	4.0385	4.0385	3.5000e-004	0.0000	4.0473
Worker	2.7200e-003	1.7500e-003	0.0193	6.0000e-005	6.4500e-003	4.0000e-005	6.4900e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.2530	5.2530	1.3000e-004	0.0000	5.2561
Total	3.5000e-003	0.0345	0.0247	1.5000e-004	0.0115	1.2000e-004	0.0116	3.0200e-003	1.1000e-004	3.1400e-003	0.0000	14.3489	14.3489	7.9000e-004	0.0000	14.3686

CVWD NPW Connections - Riverside-Salton Sea County, Annual

3.3 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0404	0.4166	0.3426	5.1000e-004		0.0246	0.0246		0.0227	0.0227	0.0000	46.4271	46.4271	0.0145	0.0000	46.7885
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0412	0.4166	0.3426	5.1000e-004		0.0246	0.0246		0.0227	0.0227	0.0000	46.4271	46.4271	0.0145	0.0000	46.7885

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9000e-004	8.6400e-003	1.0500e-003	2.0000e-005	3.8900e-003	3.0000e-005	3.9200e-003	9.7000e-004	3.0000e-005	1.0000e-003	0.0000	2.2865	2.2865	1.5000e-004	0.0000	2.2903
Vendor	2.9000e-004	9.6500e-003	1.9900e-003	2.0000e-005	4.3000e-004	7.0000e-005	5.0000e-004	1.2000e-004	7.0000e-005	1.9000e-004	0.0000	1.8106	1.8106	1.8000e-004	0.0000	1.8152
Worker	1.5100e-003	1.0900e-003	0.0114	3.0000e-005	2.8300e-003	2.0000e-005	2.8500e-003	7.5000e-004	2.0000e-005	7.7000e-004	0.0000	2.5399	2.5399	8.0000e-005	0.0000	2.5418
Total	1.9900e-003	0.0194	0.0145	7.0000e-005	7.1500e-003	1.2000e-004	7.2700e-003	1.8400e-003	1.2000e-004	1.9600e-003	0.0000	6.6371	6.6371	4.1000e-004	0.0000	6.6474

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3.3 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0404	0.4166	0.3426	5.1000e-004		0.0246	0.0246		0.0227	0.0227	0.0000	46.4271	46.4271	0.0145	0.0000	46.7884
Paving	8.0000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0412	0.4166	0.3426	5.1000e-004		0.0246	0.0246		0.0227	0.0227	0.0000	46.4271	46.4271	0.0145	0.0000	46.7884

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.9000e-004	8.6400e-003	1.0500e-003	2.0000e-005	3.8900e-003	3.0000e-005	3.9200e-003	9.7000e-004	3.0000e-005	1.0000e-003	0.0000	2.2865	2.2865	1.5000e-004	0.0000	2.2903
Vendor	2.9000e-004	9.6500e-003	1.9900e-003	2.0000e-005	4.3000e-004	7.0000e-005	5.0000e-004	1.2000e-004	7.0000e-005	1.9000e-004	0.0000	1.8106	1.8106	1.8000e-004	0.0000	1.8152
Worker	1.5100e-003	1.0900e-003	0.0114	3.0000e-005	2.8300e-003	2.0000e-005	2.8500e-003	7.5000e-004	2.0000e-005	7.7000e-004	0.0000	2.5399	2.5399	8.0000e-005	0.0000	2.5418
Total	1.9900e-003	0.0194	0.0145	7.0000e-005	7.1500e-003	1.2000e-004	7.2700e-003	1.8400e-003	1.2000e-004	1.9600e-003	0.0000	6.6371	6.6371	4.1000e-004	0.0000	6.6474

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3.3 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1081	1.1116	1.0288	1.5400e-003		0.0644	0.0644		0.0592	0.0592	0.0000	138.6296	138.6296	0.0439	0.0000	139.7261
Paving	2.4400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1106	1.1116	1.0288	1.5400e-003		0.0644	0.0644		0.0592	0.0592	0.0000	138.6296	138.6296	0.0439	0.0000	139.7261

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.4000e-004	0.0246	3.1000e-003	7.0000e-005	4.1600e-003	9.0000e-005	4.2400e-003	1.0700e-003	8.0000e-005	1.1500e-003	0.0000	6.8759	6.8759	4.5000e-004	0.0000	6.8871
Vendor	7.9000e-004	0.0276	5.5100e-003	6.0000e-005	1.2900e-003	1.8000e-004	1.4700e-003	3.7000e-004	1.7000e-004	5.5000e-004	0.0000	5.4586	5.4586	5.3000e-004	0.0000	5.4719
Worker	4.2000e-003	2.9200e-003	0.0310	8.0000e-005	8.5900e-003	6.0000e-005	8.6400e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.4729	7.4729	2.1000e-004	0.0000	7.4782
Total	5.5300e-003	0.0551	0.0396	2.1000e-004	0.0140	3.3000e-004	0.0144	3.7200e-003	3.0000e-004	4.0300e-003	0.0000	19.8074	19.8074	1.1900e-003	0.0000	19.8372

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1081	1.1116	1.0288	1.5400e-003		0.0644	0.0644		0.0592	0.0592	0.0000	138.6294	138.6294	0.0439	0.0000	139.7260
Paving	2.4400e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1106	1.1116	1.0288	1.5400e-003		0.0644	0.0644		0.0592	0.0592	0.0000	138.6294	138.6294	0.0439	0.0000	139.7260

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.4000e-004	0.0246	3.1000e-003	7.0000e-005	4.1600e-003	9.0000e-005	4.2400e-003	1.0700e-003	8.0000e-005	1.1500e-003	0.0000	6.8759	6.8759	4.5000e-004	0.0000	6.8871
Vendor	7.9000e-004	0.0276	5.5100e-003	6.0000e-005	1.2900e-003	1.8000e-004	1.4700e-003	3.7000e-004	1.7000e-004	5.5000e-004	0.0000	5.4586	5.4586	5.3000e-004	0.0000	5.4719
Worker	4.2000e-003	2.9200e-003	0.0310	8.0000e-005	8.5900e-003	6.0000e-005	8.6400e-003	2.2800e-003	5.0000e-005	2.3300e-003	0.0000	7.4729	7.4729	2.1000e-004	0.0000	7.4782
Total	5.5300e-003	0.0551	0.0396	2.1000e-004	0.0140	3.3000e-004	0.0144	3.7200e-003	3.0000e-004	4.0300e-003	0.0000	19.8074	19.8074	1.1900e-003	0.0000	19.8372

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Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1007	1.0318	1.0298	1.5500e-003		0.0587	0.0587		0.0540	0.0540	0.0000	136.1306	136.1306	0.0440	0.0000	137.2313
Paving	2.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1032	1.0318	1.0298	1.5500e-003		0.0587	0.0587		0.0540	0.0540	0.0000	136.1306	136.1306	0.0440	0.0000	137.2313

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-004	0.0229	2.9600e-003	7.0000e-005	4.1600e-003	7.0000e-005	4.2300e-003	1.0700e-003	7.0000e-005	1.1400e-003	0.0000	6.8320	6.8320	4.3000e-004	0.0000	6.8427
Vendor	6.7000e-004	0.0252	4.9300e-003	6.0000e-005	1.3000e-003	1.2000e-004	1.4200e-003	3.7000e-004	1.2000e-004	4.9000e-004	0.0000	5.4420	5.4420	5.0000e-004	0.0000	5.4545
Worker	3.9000e-003	2.6100e-003	0.0282	8.0000e-005	8.6200e-003	5.0000e-005	8.6800e-003	2.2900e-003	5.0000e-005	2.3400e-003	0.0000	7.2646	7.2646	1.9000e-004	0.0000	7.2693
Total	5.0700e-003	0.0507	0.0361	2.1000e-004	0.0141	2.4000e-004	0.0143	3.7300e-003	2.4000e-004	3.9700e-003	0.0000	19.5386	19.5386	1.1200e-003	0.0000	19.5665

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.1007	1.0318	1.0298	1.5500e-003		0.0587	0.0587		0.0540	0.0540	0.0000	136.1304	136.1304	0.0440	0.0000	137.2311
Paving	2.4500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1032	1.0318	1.0298	1.5500e-003		0.0587	0.0587		0.0540	0.0540	0.0000	136.1304	136.1304	0.0440	0.0000	137.2311

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-004	0.0229	2.9600e-003	7.0000e-005	4.1600e-003	7.0000e-005	4.2300e-003	1.0700e-003	7.0000e-005	1.1400e-003	0.0000	6.8320	6.8320	4.3000e-004	0.0000	6.8427
Vendor	6.7000e-004	0.0252	4.9300e-003	6.0000e-005	1.3000e-003	1.2000e-004	1.4200e-003	3.7000e-004	1.2000e-004	4.9000e-004	0.0000	5.4420	5.4420	5.0000e-004	0.0000	5.4545
Worker	3.9000e-003	2.6100e-003	0.0282	8.0000e-005	8.6200e-003	5.0000e-005	8.6800e-003	2.2900e-003	5.0000e-005	2.3400e-003	0.0000	7.2646	7.2646	1.9000e-004	0.0000	7.2693
Total	5.0700e-003	0.0507	0.0361	2.1000e-004	0.0141	2.4000e-004	0.0143	3.7300e-003	2.4000e-004	3.9700e-003	0.0000	19.5386	19.5386	1.1200e-003	0.0000	19.5665

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Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0694	0.7105	0.7689	1.1600e-003		0.0393	0.0393		0.0362	0.0362	0.0000	101.8232	101.8232	0.0329	0.0000	102.6465
Paving	1.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0712	0.7105	0.7689	1.1600e-003		0.0393	0.0393		0.0362	0.0362	0.0000	101.8232	101.8232	0.0329	0.0000	102.6465

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5000e-004	0.0157	2.1600e-003	5.0000e-005	4.0600e-003	5.0000e-005	4.1000e-003	1.0300e-003	4.0000e-005	1.0800e-003	0.0000	5.0574	5.0574	3.1000e-004	0.0000	5.0651
Vendor	4.3000e-004	0.0171	3.2800e-003	4.0000e-005	9.7000e-004	3.0000e-005	1.0000e-003	2.8000e-004	3.0000e-005	3.1000e-004	0.0000	4.0385	4.0385	3.5000e-004	0.0000	4.0473
Worker	2.7200e-003	1.7500e-003	0.0193	6.0000e-005	6.4500e-003	4.0000e-005	6.4900e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.2530	5.2530	1.3000e-004	0.0000	5.2561
Total	3.5000e-003	0.0345	0.0247	1.5000e-004	0.0115	1.2000e-004	0.0116	3.0200e-003	1.1000e-004	3.1400e-003	0.0000	14.3489	14.3489	7.9000e-004	0.0000	14.3686

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Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.0694	0.7105	0.7689	1.1600e-003		0.0393	0.0393		0.0362	0.0362	0.0000	101.8231	101.8231	0.0329	0.0000	102.6464
Paving	1.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0712	0.7105	0.7689	1.1600e-003		0.0393	0.0393		0.0362	0.0362	0.0000	101.8231	101.8231	0.0329	0.0000	102.6464

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	3.5000e-004	0.0157	2.1600e-003	5.0000e-005	4.0600e-003	5.0000e-005	4.1000e-003	1.0300e-003	4.0000e-005	1.0800e-003	0.0000	5.0574	5.0574	3.1000e-004	0.0000	5.0651
Vendor	4.3000e-004	0.0171	3.2800e-003	4.0000e-005	9.7000e-004	3.0000e-005	1.0000e-003	2.8000e-004	3.0000e-005	3.1000e-004	0.0000	4.0385	4.0385	3.5000e-004	0.0000	4.0473
Worker	2.7200e-003	1.7500e-003	0.0193	6.0000e-005	6.4500e-003	4.0000e-005	6.4900e-003	1.7100e-003	4.0000e-005	1.7500e-003	0.0000	5.2530	5.2530	1.3000e-004	0.0000	5.2561
Total	3.5000e-003	0.0345	0.0247	1.5000e-004	0.0115	1.2000e-004	0.0116	3.0200e-003	1.1000e-004	3.1400e-003	0.0000	14.3489	14.3489	7.9000e-004	0.0000	14.3686

CVWD NPW Connections - Riverside-Salton Sea County, Summer

CVWD NPW Connections
Riverside-Salton Sea County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	250.00	1000sqft	5.74	250,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 - Total sf = 50,000 linear feet by 5 feet width

Construction Phase - Grading phase used as a proxy for trenching, laying pipe.

Paving phase used for repaving surfaces

Off-road Equipment - Revised to reflect pipeline trenching typical equipment and hours/day. (6 hrs/day)

Off-road Equipment - Assumed to be used 6 hrs per day.

Trips and VMT - Assumed 4 one-way trips per day total for vendor deliveries of materials. Hauling trips calculated based on soil import/export calcs.

Grading -

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Rule 403.

CVWD NPW Connections - Riverside-Salton Sea County, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	68
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	68
tblConstructionPhase	NumDays	20.00	805.00
tblConstructionPhase	NumDays	20.00	805.00
tblConstructionPhase	PhaseEndDate	1/24/2018	10/1/2021
tblConstructionPhase	PhaseEndDate	2/21/2018	10/1/2021
tblConstructionPhase	PhaseStartDate	12/28/2017	9/3/2018
tblConstructionPhase	PhaseStartDate	1/25/2018	9/3/2018
tblOffRoadEquipment	HorsePower	78.00	187.00
tblOffRoadEquipment	HorsePower	9.00	80.00
tblOffRoadEquipment	LoadFactor	0.50	0.41
tblOffRoadEquipment	LoadFactor	0.56	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Trenchers
tblOffRoadEquipment	OffRoadEquipmentType	Rollers	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	579.00
tblTripsAndVMT	HaulingTripNumber	0.00	579.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00

CVWD NPW Connections - Riverside-Salton Sea County, Summer

2.0 Emissions Summary**2.1 Overall Construction (Maximum Daily Emission)****Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	3.8575	42.6687	23.6590	0.0452	6.8905	2.0653	8.9558	3.4547	1.9003	5.3550	0.0000	4,562.0339	4,562.0339	1.3307	0.0000	4,595.3007
2019	3.5817	39.3053	23.2314	0.0452	6.7711	1.8677	8.6388	3.4254	1.7184	5.1438	0.0000	4,485.9250	4,485.9250	1.3289	0.0000	4,519.1463
2020	3.3842	36.7412	22.9045	0.0451	6.7708	1.7233	8.4941	3.4253	1.5856	5.0109	0.0000	4,389.4497	4,389.4497	1.3273	0.0000	4,422.6326
2021	3.1752	34.2584	22.5646	0.0450	6.7905	1.5700	8.3606	3.4302	1.4445	4.8747	0.0000	4,382.3920	4,382.3920	1.3261	0.0000	4,415.5440
Maximum	3.8575	42.6687	23.6590	0.0452	6.8905	2.0653	8.9558	3.4547	1.9003	5.3550	0.0000	4,562.0339	4,562.0339	1.3307	0.0000	4,595.3007

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	9/3/2018	10/1/2021	5	805	
2	Paving	Paving	9/3/2018	10/1/2021	5	805	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 402.5

Acres of Paving: 5.74

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

OffRoad Equipment

CVWD NPW Connections - Riverside-Salton Sea County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Trenchers	1	6.00	187	0.41
Grading	Excavators	1	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Rollers	2	8.00	80	0.38
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	6.00	132	0.36
Paving	Cement and Mortar Mixers	1	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	8.00	2.00	579.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	8.00	2.00	579.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7990	32.0985	14.9467	0.0300		1.4867	1.4867		1.3678	1.3678		3,017.3883	3,017.3883	0.9394		3,040.8721
Total	2.7990	32.0985	14.9467	0.0300	6.5523	1.4867	8.0391	3.3675	1.3678	4.7353		3,017.3883	3,017.3883	0.9394		3,040.8721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2400e-003	0.1958	0.0227	5.6000e-004	0.0921	7.3000e-004	0.0928	0.0230	7.0000e-004	0.0237		59.2292	59.2292	3.7400e-003		59.3227
Vendor	6.5700e-003	0.2220	0.0429	4.5000e-004	0.0100	1.6200e-003	0.0117	2.8900e-003	1.5500e-003	4.4400e-003		47.2890	47.2890	4.4700e-003		47.4007
Worker	0.0397	0.0237	0.3066	7.1000e-004	0.0669	4.3000e-004	0.0674	0.0178	4.0000e-004	0.0182		70.7216	70.7216	2.1900e-003		70.7764
Total	0.0505	0.4415	0.3722	1.7200e-003	0.1691	2.7800e-003	0.1718	0.0436	2.6500e-003	0.0463		177.2397	177.2397	0.0104		177.4997

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.2 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0968	0.0000	2.0968	1.0776	0.0000	1.0776			0.0000			0.0000
Off-Road	2.7990	32.0985	14.9467	0.0300		1.4867	1.4867		1.3678	1.3678	0.0000	3,017.3883	3,017.3883	0.9394		3,040.8721
Total	2.7990	32.0985	14.9467	0.0300	2.0968	1.4867	3.5835	1.0776	1.3678	2.4454	0.0000	3,017.3883	3,017.3883	0.9394		3,040.8721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2400e-003	0.1958	0.0227	5.6000e-004	0.0921	7.3000e-004	0.0928	0.0230	7.0000e-004	0.0237		59.2292	59.2292	3.7400e-003		59.3227
Vendor	6.5700e-003	0.2220	0.0429	4.5000e-004	0.0100	1.6200e-003	0.0117	2.8900e-003	1.5500e-003	4.4400e-003		47.2890	47.2890	4.4700e-003		47.4007
Worker	0.0397	0.0237	0.3066	7.1000e-004	0.0669	4.3000e-004	0.0674	0.0178	4.0000e-004	0.0182		70.7216	70.7216	2.1900e-003		70.7764
Total	0.0505	0.4415	0.3722	1.7200e-003	0.1691	2.7800e-003	0.1718	0.0436	2.6500e-003	0.0463		177.2397	177.2397	0.0104		177.4997

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.6418	29.9600	14.6752	0.0300		1.3694	1.3694		1.2598	1.2598		2,966.4709	2,966.4709	0.9386		2,989.9349
Total	2.6418	29.9600	14.6752	0.0300	6.5523	1.3694	7.9217	3.3675	1.2598	4.6273		2,966.4709	2,966.4709	0.9386		2,989.9349

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.0400e-003	0.1837	0.0221	5.5000e-004	0.0324	6.6000e-004	0.0331	8.3100e-003	6.4000e-004	8.9500e-003		58.6906	58.6906	3.6500e-003		58.7818
Vendor	5.9500e-003	0.2091	0.0389	4.5000e-004	0.0100	1.3700e-003	0.0114	2.8900e-003	1.3100e-003	4.2000e-003		46.9780	46.9780	4.3000e-003		47.0855
Worker	0.0363	0.0210	0.2753	6.9000e-004	0.0669	4.3000e-004	0.0674	0.0178	3.9000e-004	0.0182		68.5682	68.5682	1.9600e-003		68.6171
Total	0.0463	0.4138	0.3364	1.6900e-003	0.1094	2.4600e-003	0.1118	0.0290	2.3400e-003	0.0313		174.2368	174.2368	9.9100e-003		174.4843

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.2 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0968	0.0000	2.0968	1.0776	0.0000	1.0776			0.0000			0.0000
Off-Road	2.6418	29.9600	14.6752	0.0300		1.3694	1.3694		1.2598	1.2598	0.0000	2,966.4709	2,966.4709	0.9386		2,989.9349
Total	2.6418	29.9600	14.6752	0.0300	2.0968	1.3694	3.4661	1.0776	1.2598	2.3374	0.0000	2,966.4709	2,966.4709	0.9386		2,989.9349

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.0400e-003	0.1837	0.0221	5.5000e-004	0.0324	6.6000e-004	0.0331	8.3100e-003	6.4000e-004	8.9500e-003		58.6906	58.6906	3.6500e-003		58.7818
Vendor	5.9500e-003	0.2091	0.0389	4.5000e-004	0.0100	1.3700e-003	0.0114	2.8900e-003	1.3100e-003	4.2000e-003		46.9780	46.9780	4.3000e-003		47.0855
Worker	0.0363	0.0210	0.2753	6.9000e-004	0.0669	4.3000e-004	0.0674	0.0178	3.9000e-004	0.0182		68.5682	68.5682	1.9600e-003		68.6171
Total	0.0463	0.4138	0.3364	1.6900e-003	0.1094	2.4600e-003	0.1118	0.0290	2.3400e-003	0.0313		174.2368	174.2368	9.9100e-003		174.4843

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.2 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.5121	28.1054	14.4326	0.0300		1.2714	1.2714		1.1697	1.1697		2,901.6386	2,901.6386	0.9385		2,925.0998
Total	2.5121	28.1054	14.4326	0.0300	6.5523	1.2714	7.8237	3.3675	1.1697	4.5372		2,901.6386	2,901.6386	0.9385		2,925.0998

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.7000e-003	0.1703	0.0210	5.5000e-004	0.0323	5.4000e-004	0.0328	8.2900e-003	5.2000e-004	8.8100e-003		58.0990	58.0990	3.4600e-003		58.1856
Vendor	5.0300e-003	0.1909	0.0346	4.4000e-004	0.0100	9.3000e-004	0.0110	2.8900e-003	8.9000e-004	3.7800e-003		46.6611	46.6611	4.0000e-003		46.7612
Worker	0.0335	0.0187	0.2498	6.7000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.8000e-004	0.0181		66.4039	66.4039	1.7300e-003		66.4472
Total	0.0423	0.3799	0.3053	1.6600e-003	0.1093	1.8900e-003	0.1111	0.0289	1.7900e-003	0.0307		171.1640	171.1640	9.1900e-003		171.3940

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.2 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0968	0.0000	2.0968	1.0776	0.0000	1.0776			0.0000			0.0000
Off-Road	2.5121	28.1054	14.4326	0.0300		1.2714	1.2714		1.1697	1.1697	0.0000	2,901.6385	2,901.6385	0.9385		2,925.0998
Total	2.5121	28.1054	14.4326	0.0300	2.0968	1.2714	3.3681	1.0776	1.1697	2.2473	0.0000	2,901.6385	2,901.6385	0.9385		2,925.0998

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.7000e-003	0.1703	0.0210	5.5000e-004	0.0323	5.4000e-004	0.0328	8.2900e-003	5.2000e-004	8.8100e-003		58.0990	58.0990	3.4600e-003		58.1856
Vendor	5.0300e-003	0.1909	0.0346	4.4000e-004	0.0100	9.3000e-004	0.0110	2.8900e-003	8.9000e-004	3.7800e-003		46.6611	46.6611	4.0000e-003		46.7612
Worker	0.0335	0.0187	0.2498	6.7000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.8000e-004	0.0181		66.4039	66.4039	1.7300e-003		66.4472
Total	0.0423	0.3799	0.3053	1.6600e-003	0.1093	1.8900e-003	0.1111	0.0289	1.7900e-003	0.0307		171.1640	171.1640	9.1900e-003		171.3940

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.2 Grading - 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.3708	26.3151	14.1590	0.0299		1.1665	1.1665		1.0732	1.0732		2,901.1470	2,901.1470	0.9383		2,924.6042
Total	2.3708	26.3151	14.1590	0.0299	6.5523	1.1665	7.7189	3.3675	1.0732	4.4407		2,901.1470	2,901.1470	0.9383		2,924.6042

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.5000e-003	0.1563	0.0206	5.4000e-004	0.0421	4.8000e-004	0.0426	0.0107	4.6000e-004	0.0112		57.4926	57.4926	3.3400e-003		57.5760
Vendor	4.2800e-003	0.1736	0.0306	4.4000e-004	0.0100	2.8000e-004	0.0103	2.8900e-003	2.7000e-004	3.1600e-003		46.2885	46.2885	3.7900e-003		46.3832
Worker	0.0312	0.0167	0.2289	6.4000e-004	0.0669	4.1000e-004	0.0673	0.0178	3.7000e-004	0.0181		64.1839	64.1839	1.5600e-003		64.2229
Total	0.0390	0.3467	0.2800	1.6200e-003	0.1191	1.1700e-003	0.1203	0.0313	1.1000e-003	0.0325		167.9649	167.9649	8.6900e-003		168.1821

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.2 Grading - 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					2.0968	0.0000	2.0968	1.0776	0.0000	1.0776			0.0000			0.0000
Off-Road	2.3708	26.3151	14.1590	0.0299		1.1665	1.1665		1.0732	1.0732	0.0000	2,901.1470	2,901.1470	0.9383		2,924.6042
Total	2.3708	26.3151	14.1590	0.0299	2.0968	1.1665	3.2633	1.0776	1.0732	2.1508	0.0000	2,901.1470	2,901.1470	0.9383		2,924.6042

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.5000e-003	0.1563	0.0206	5.4000e-004	0.0421	4.8000e-004	0.0426	0.0107	4.6000e-004	0.0112		57.4926	57.4926	3.3400e-003		57.5760
Vendor	4.2800e-003	0.1736	0.0306	4.4000e-004	0.0100	2.8000e-004	0.0103	2.8900e-003	2.7000e-004	3.1600e-003		46.2885	46.2885	3.7900e-003		46.3832
Worker	0.0312	0.0167	0.2289	6.4000e-004	0.0669	4.1000e-004	0.0673	0.0178	3.7000e-004	0.0181		64.1839	64.1839	1.5600e-003		64.2229
Total	0.0390	0.3467	0.2800	1.6200e-003	0.1191	1.1700e-003	0.1203	0.0313	1.1000e-003	0.0325		167.9649	167.9649	8.6900e-003		168.1821

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.3 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9388	9.6871	7.9680	0.0118		0.5730	0.5730		0.5272	0.5272		1,190.166 2	1,190.166 2	0.3705		1,199.429 1
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9575	9.6871	7.9680	0.0118		0.5730	0.5730		0.5272	0.5272		1,190.166 2	1,190.166 2	0.3705		1,199.429 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2400e-003	0.1958	0.0227	5.6000e-004	0.0921	7.3000e-004	0.0928	0.0230	7.0000e-004	0.0237		59.2292	59.2292	3.7400e-003		59.3227
Vendor	6.5700e-003	0.2220	0.0429	4.5000e-004	0.0100	1.6200e-003	0.0117	2.8900e-003	1.5500e-003	4.4400e-003		47.2890	47.2890	4.4700e-003		47.4007
Worker	0.0397	0.0237	0.3066	7.1000e-004	0.0669	4.3000e-004	0.0674	0.0178	4.0000e-004	0.0182		70.7216	70.7216	2.1900e-003		70.7764
Total	0.0505	0.4415	0.3722	1.7200e-003	0.1691	2.7800e-003	0.1718	0.0436	2.6500e-003	0.0463		177.2397	177.2397	0.0104		177.4997

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.3 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9388	9.6871	7.9680	0.0118		0.5730	0.5730		0.5272	0.5272	0.0000	1,190.166 2	1,190.166 2	0.3705		1,199.429 1
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9575	9.6871	7.9680	0.0118		0.5730	0.5730		0.5272	0.5272	0.0000	1,190.166 2	1,190.166 2	0.3705		1,199.429 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2400e-003	0.1958	0.0227	5.6000e-004	0.0921	7.3000e-004	0.0928	0.0230	7.0000e-004	0.0237		59.2292	59.2292	3.7400e-003		59.3227
Vendor	6.5700e-003	0.2220	0.0429	4.5000e-004	0.0100	1.6200e-003	0.0117	2.8900e-003	1.5500e-003	4.4400e-003		47.2890	47.2890	4.4700e-003		47.4007
Worker	0.0397	0.0237	0.3066	7.1000e-004	0.0669	4.3000e-004	0.0674	0.0178	4.0000e-004	0.0182		70.7216	70.7216	2.1900e-003		70.7764
Total	0.0505	0.4415	0.3722	1.7200e-003	0.1691	2.7800e-003	0.1718	0.0436	2.6500e-003	0.0463		177.2397	177.2397	0.0104		177.4997

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.3 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8286	8.5176	7.8834	0.0118		0.4934	0.4934		0.4539	0.4539		1,170.9806	1,170.9806	0.3705		1,180.2428
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8473	8.5176	7.8834	0.0118		0.4934	0.4934		0.4539	0.4539		1,170.9806	1,170.9806	0.3705		1,180.2428

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.0400e-003	0.1837	0.0221	5.5000e-004	0.0324	6.6000e-004	0.0331	8.3100e-003	6.4000e-004	8.9500e-003		58.6906	58.6906	3.6500e-003		58.7818
Vendor	5.9500e-003	0.2091	0.0389	4.5000e-004	0.0100	1.3700e-003	0.0114	2.8900e-003	1.3100e-003	4.2000e-003		46.9780	46.9780	4.3000e-003		47.0855
Worker	0.0363	0.0210	0.2753	6.9000e-004	0.0669	4.3000e-004	0.0674	0.0178	3.9000e-004	0.0182		68.5682	68.5682	1.9600e-003		68.6171
Total	0.0463	0.4138	0.3364	1.6900e-003	0.1094	2.4600e-003	0.1118	0.0290	2.3400e-003	0.0313		174.2368	174.2368	9.9100e-003		174.4843

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.3 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8286	8.5176	7.8834	0.0118		0.4934	0.4934		0.4539	0.4539	0.0000	1,170.9806	1,170.9806	0.3705		1,180.2428
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8473	8.5176	7.8834	0.0118		0.4934	0.4934		0.4539	0.4539	0.0000	1,170.9806	1,170.9806	0.3705		1,180.2428

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.0400e-003	0.1837	0.0221	5.5000e-004	0.0324	6.6000e-004	0.0331	8.3100e-003	6.4000e-004	8.9500e-003		58.6906	58.6906	3.6500e-003		58.7818
Vendor	5.9500e-003	0.2091	0.0389	4.5000e-004	0.0100	1.3700e-003	0.0114	2.8900e-003	1.3100e-003	4.2000e-003		46.9780	46.9780	4.3000e-003		47.0855
Worker	0.0363	0.0210	0.2753	6.9000e-004	0.0669	4.3000e-004	0.0674	0.0178	3.9000e-004	0.0182		68.5682	68.5682	1.9600e-003		68.6171
Total	0.0463	0.4138	0.3364	1.6900e-003	0.1094	2.4600e-003	0.1118	0.0290	2.3400e-003	0.0313		174.2368	174.2368	9.9100e-003		174.4843

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.3 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7689	7.8760	7.8613	0.0118		0.4481	0.4481		0.4123	0.4123		1,145.4831	1,145.4831	0.3705		1,154.7449
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7876	7.8760	7.8613	0.0118		0.4481	0.4481		0.4123	0.4123		1,145.4831	1,145.4831	0.3705		1,154.7449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.7000e-003	0.1703	0.0210	5.5000e-004	0.0323	5.4000e-004	0.0328	8.2900e-003	5.2000e-004	8.8100e-003		58.0990	58.0990	3.4600e-003		58.1856
Vendor	5.0300e-003	0.1909	0.0346	4.4000e-004	0.0100	9.3000e-004	0.0110	2.8900e-003	8.9000e-004	3.7800e-003		46.6611	46.6611	4.0000e-003		46.7612
Worker	0.0335	0.0187	0.2498	6.7000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.8000e-004	0.0181		66.4039	66.4039	1.7300e-003		66.4472
Total	0.0423	0.3799	0.3053	1.6600e-003	0.1093	1.8900e-003	0.1111	0.0289	1.7900e-003	0.0307		171.1640	171.1640	9.1900e-003		171.3940

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.3 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7689	7.8760	7.8613	0.0118		0.4481	0.4481		0.4123	0.4123	0.0000	1,145.4831	1,145.4831	0.3705		1,154.7449
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7876	7.8760	7.8613	0.0118		0.4481	0.4481		0.4123	0.4123	0.0000	1,145.4831	1,145.4831	0.3705		1,154.7449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.7000e-003	0.1703	0.0210	5.5000e-004	0.0323	5.4000e-004	0.0328	8.2900e-003	5.2000e-004	8.8100e-003		58.0990	58.0990	3.4600e-003		58.1856
Vendor	5.0300e-003	0.1909	0.0346	4.4000e-004	0.0100	9.3000e-004	0.0110	2.8900e-003	8.9000e-004	3.7800e-003		46.6611	46.6611	4.0000e-003		46.7612
Worker	0.0335	0.0187	0.2498	6.7000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.8000e-004	0.0181		66.4039	66.4039	1.7300e-003		66.4472
Total	0.0423	0.3799	0.3053	1.6600e-003	0.1093	1.8900e-003	0.1111	0.0289	1.7900e-003	0.0307		171.1640	171.1640	9.1900e-003		171.3940

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.3 Paving - 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	0.7077	7.2500	7.8455	0.0118		0.4012	0.4012		0.3691	0.3691		1,145.315 2	1,145.315 2	0.3704		1,154.575 6
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7264	7.2500	7.8455	0.0118		0.4012	0.4012		0.3691	0.3691		1,145.315 2	1,145.315 2	0.3704		1,154.575 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	3.5000e-003	0.1563	0.0206	5.4000e-004	0.0421	4.8000e-004	0.0426	0.0107	4.6000e-004	0.0112		57.4926	57.4926	3.3400e-003		57.5760
Vendor	4.2800e-003	0.1736	0.0306	4.4000e-004	0.0100	2.8000e-004	0.0103	2.8900e-003	2.7000e-004	3.1600e-003		46.2885	46.2885	3.7900e-003		46.3832
Worker	0.0312	0.0167	0.2289	6.4000e-004	0.0669	4.1000e-004	0.0673	0.0178	3.7000e-004	0.0181		64.1839	64.1839	1.5600e-003		64.2229
Total	0.0390	0.3467	0.2800	1.6200e-003	0.1191	1.1700e-003	0.1203	0.0313	1.1000e-003	0.0325		167.9649	167.9649	8.6900e-003		168.1821

CVWD NPW Connections - Riverside-Salton Sea County, Summer

3.3 Paving - 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	0.7077	7.2500	7.8455	0.0118		0.4012	0.4012		0.3691	0.3691	0.0000	1,145.315 2	1,145.315 2	0.3704		1,154.575 6
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7264	7.2500	7.8455	0.0118		0.4012	0.4012		0.3691	0.3691	0.0000	1,145.315 2	1,145.315 2	0.3704		1,154.575 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	3.5000e-003	0.1563	0.0206	5.4000e-004	0.0421	4.8000e-004	0.0426	0.0107	4.6000e-004	0.0112		57.4926	57.4926	3.3400e-003		57.5760
Vendor	4.2800e-003	0.1736	0.0306	4.4000e-004	0.0100	2.8000e-004	0.0103	2.8900e-003	2.7000e-004	3.1600e-003		46.2885	46.2885	3.7900e-003		46.3832
Worker	0.0312	0.0167	0.2289	6.4000e-004	0.0669	4.1000e-004	0.0673	0.0178	3.7000e-004	0.0181		64.1839	64.1839	1.5600e-003		64.2229
Total	0.0390	0.3467	0.2800	1.6200e-003	0.1191	1.1700e-003	0.1203	0.0313	1.1000e-003	0.0325		167.9649	167.9649	8.6900e-003		168.1821

CVWD NPW Connections - Riverside-Salton Sea County, Winter

CVWD NPW Connections
Riverside-Salton Sea County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	250.00	1000sqft	5.74	250,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2020
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	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 - Total sf = 50,000 linear feet by 5 feet width

Construction Phase - Grading phase used as a proxy for trenching, laying pipe.

Paving phase used for repaving surfaces

Off-road Equipment - Revised to reflect pipeline trenching typical equipment and hours/day. (6 hrs/day)

Off-road Equipment - Assumed to be used 6 hrs per day.

Trips and VMT - Assumed 4 one-way trips per day total for vendor deliveries of materials. Hauling trips calculated based on soil import/export calcs.

Grading -

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Rule 403.

CVWD NPW Connections - Riverside-Salton Sea County, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterExposedAreaPM10PercentReduction	61	68
tblConstDustMitigation	WaterExposedAreaPM25PercentReduction	61	68
tblConstructionPhase	NumDays	20.00	805.00
tblConstructionPhase	NumDays	20.00	805.00
tblConstructionPhase	PhaseEndDate	1/24/2018	10/1/2021
tblConstructionPhase	PhaseEndDate	2/21/2018	10/1/2021
tblConstructionPhase	PhaseStartDate	12/28/2017	9/3/2018
tblConstructionPhase	PhaseStartDate	1/25/2018	9/3/2018
tblOffRoadEquipment	HorsePower	78.00	187.00
tblOffRoadEquipment	HorsePower	9.00	80.00
tblOffRoadEquipment	LoadFactor	0.50	0.41
tblOffRoadEquipment	LoadFactor	0.56	0.38
tblOffRoadEquipment	OffRoadEquipmentType	Graders	Trenchers
tblOffRoadEquipment	OffRoadEquipmentType	Rollers	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblTripsAndVMT	HaulingTripNumber	0.00	579.00
tblTripsAndVMT	HaulingTripNumber	0.00	579.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	VendorTripNumber	0.00	2.00
tblTripsAndVMT	WorkerTripNumber	15.00	8.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00

CVWD NPW Connections - Riverside-Salton Sea County, Winter

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	3.8549	42.6722	23.5736	0.0450	6.8905	2.0654	8.9559	3.4547	1.9004	5.3551	0.0000	4,540.4879	4,540.4879	1.3318	0.0000	4,573.7843
2019	3.5795	39.3075	23.1548	0.0450	6.7711	1.8678	8.6388	3.4254	1.7185	5.1439	0.0000	4,464.8279	4,464.8279	1.3300	0.0000	4,498.0791
2020	3.3822	36.7417	22.8347	0.0449	6.7708	1.7234	8.4942	3.4253	1.5856	5.0109	0.0000	4,368.8002	4,368.8002	1.3285	0.0000	4,402.0121
2021	3.1735	34.2573	22.5002	0.0448	6.7905	1.5701	8.3606	3.4302	1.4445	4.8747	0.0000	4,362.2450	4,362.2450	1.3272	0.0000	4,395.4255
Maximum	3.8549	42.6722	23.5736	0.0450	6.8905	2.0654	8.9559	3.4547	1.9004	5.3551	0.0000	4,540.4879	4,540.4879	1.3318	0.0000	4,573.7843

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	9/3/2018	10/1/2021	5	805	
2	Paving	Paving	9/3/2018	10/1/2021	5	805	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 402.5

Acres of Paving: 5.74

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

OffRoad Equipment

CVWD NPW Connections - Riverside-Salton Sea County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Trenchers	1	6.00	187	0.41
Grading	Excavators	1	8.00	158	0.38
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Paving	Rollers	2	8.00	80	0.38
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	6.00	132	0.36
Paving	Cement and Mortar Mixers	1	6.00	80	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	6	8.00	2.00	579.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	8.00	2.00	579.00	11.00	5.40	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.2 Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.7990	32.0985	14.9467	0.0300		1.4867	1.4867		1.3678	1.3678		3,017.3883	3,017.3883	0.9394		3,040.8721
Total	2.7990	32.0985	14.9467	0.0300	6.5523	1.4867	8.0391	3.3675	1.3678	4.7353		3,017.3883	3,017.3883	0.9394		3,040.8721

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4600e-003	0.1979	0.0268	5.5000e-004	0.0921	7.5000e-004	0.0928	0.0230	7.2000e-004	0.0237		57.7689	57.7689	4.0900e-003		57.8712
Vendor	6.9100e-003	0.2207	0.0501	4.3000e-004	0.0100	1.6400e-003	0.0117	2.8900e-003	1.5700e-003	4.4600e-003		45.2095	45.2095	4.9700e-003		45.3337
Worker	0.0379	0.0246	0.2526	6.4000e-004	0.0669	4.3000e-004	0.0674	0.0178	4.0000e-004	0.0182		63.4884	63.4884	1.9300e-003		63.5366
Total	0.0492	0.4433	0.3295	1.6200e-003	0.1691	2.8200e-003	0.1719	0.0436	2.6900e-003	0.0463		166.4667	166.4667	0.0110		166.7415

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.2 Grading - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0968	0.0000	2.0968	1.0776	0.0000	1.0776			0.0000			0.0000
Off-Road	2.7990	32.0985	14.9467	0.0300		1.4867	1.4867		1.3678	1.3678	0.0000	3,017.3883	3,017.3883	0.9394		3,040.8721
Total	2.7990	32.0985	14.9467	0.0300	2.0968	1.4867	3.5835	1.0776	1.3678	2.4454	0.0000	3,017.3883	3,017.3883	0.9394		3,040.8721

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4600e-003	0.1979	0.0268	5.5000e-004	0.0921	7.5000e-004	0.0928	0.0230	7.2000e-004	0.0237		57.7689	57.7689	4.0900e-003		57.8712
Vendor	6.9100e-003	0.2207	0.0501	4.3000e-004	0.0100	1.6400e-003	0.0117	2.8900e-003	1.5700e-003	4.4600e-003		45.2095	45.2095	4.9700e-003		45.3337
Worker	0.0379	0.0246	0.2526	6.4000e-004	0.0669	4.3000e-004	0.0674	0.0178	4.0000e-004	0.0182		63.4884	63.4884	1.9300e-003		63.5366
Total	0.0492	0.4433	0.3295	1.6200e-003	0.1691	2.8200e-003	0.1719	0.0436	2.6900e-003	0.0463		166.4667	166.4667	0.0110		166.7415

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.2 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.6418	29.9600	14.6752	0.0300		1.3694	1.3694		1.2598	1.2598		2,966.4709	2,966.4709	0.9386		2,989.9349
Total	2.6418	29.9600	14.6752	0.0300	6.5523	1.3694	7.9217	3.3675	1.2598	4.6273		2,966.4709	2,966.4709	0.9386		2,989.9349

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2500e-003	0.1856	0.0260	5.4000e-004	0.0324	6.8000e-004	0.0331	8.3100e-003	6.5000e-004	8.9600e-003		57.2351	57.2351	3.9900e-003		57.3350
Vendor	6.2800e-003	0.2077	0.0459	4.3000e-004	0.0100	1.3900e-003	0.0114	2.8900e-003	1.3300e-003	4.2200e-003		44.9052	44.9052	4.7900e-003		45.0250
Worker	0.0347	0.0217	0.2262	6.2000e-004	0.0669	4.3000e-004	0.0674	0.0178	3.9000e-004	0.0182		61.5479	61.5479	1.7100e-003		61.5907
Total	0.0452	0.4149	0.2981	1.5900e-003	0.1094	2.5000e-003	0.1119	0.0290	2.3700e-003	0.0313		163.6882	163.6882	0.0105		163.9507

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.2 Grading - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0968	0.0000	2.0968	1.0776	0.0000	1.0776			0.0000			0.0000
Off-Road	2.6418	29.9600	14.6752	0.0300		1.3694	1.3694		1.2598	1.2598	0.0000	2,966.4709	2,966.4709	0.9386		2,989.9349
Total	2.6418	29.9600	14.6752	0.0300	2.0968	1.3694	3.4661	1.0776	1.2598	2.3374	0.0000	2,966.4709	2,966.4709	0.9386		2,989.9349

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2500e-003	0.1856	0.0260	5.4000e-004	0.0324	6.8000e-004	0.0331	8.3100e-003	6.5000e-004	8.9600e-003		57.2351	57.2351	3.9900e-003		57.3350
Vendor	6.2800e-003	0.2077	0.0459	4.3000e-004	0.0100	1.3900e-003	0.0114	2.8900e-003	1.3300e-003	4.2200e-003		44.9052	44.9052	4.7900e-003		45.0250
Worker	0.0347	0.0217	0.2262	6.2000e-004	0.0669	4.3000e-004	0.0674	0.0178	3.9000e-004	0.0182		61.5479	61.5479	1.7100e-003		61.5907
Total	0.0452	0.4149	0.2981	1.5900e-003	0.1094	2.5000e-003	0.1119	0.0290	2.3700e-003	0.0313		163.6882	163.6882	0.0105		163.9507

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.2 Grading - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.5121	28.1054	14.4326	0.0300		1.2714	1.2714		1.1697	1.1697		2,901.6386	2,901.6386	0.9385		2,925.0998
Total	2.5121	28.1054	14.4326	0.0300	6.5523	1.2714	7.8237	3.3675	1.1697	4.5372		2,901.6386	2,901.6386	0.9385		2,925.0998

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8900e-003	0.1718	0.0246	5.3000e-004	0.0323	5.5000e-004	0.0328	8.2900e-003	5.3000e-004	8.8100e-003		56.6455	56.6455	3.7900e-003		56.7402
Vendor	5.3300e-003	0.1891	0.0410	4.2000e-004	0.0100	9.4000e-004	0.0110	2.8900e-003	9.0000e-004	3.7900e-003		44.5915	44.5915	4.4700e-003		44.7032
Worker	0.0321	0.0193	0.2048	6.0000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.8000e-004	0.0181		59.6023	59.6023	1.5200e-003		59.6403
Total	0.0413	0.3802	0.2704	1.5500e-003	0.1093	1.9100e-003	0.1112	0.0289	1.8100e-003	0.0307		160.8393	160.8393	9.7800e-003		161.0837

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.2 Grading - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.0968	0.0000	2.0968	1.0776	0.0000	1.0776			0.0000			0.0000
Off-Road	2.5121	28.1054	14.4326	0.0300		1.2714	1.2714		1.1697	1.1697	0.0000	2,901.6385	2,901.6385	0.9385		2,925.0998
Total	2.5121	28.1054	14.4326	0.0300	2.0968	1.2714	3.3681	1.0776	1.1697	2.2473	0.0000	2,901.6385	2,901.6385	0.9385		2,925.0998

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8900e-003	0.1718	0.0246	5.3000e-004	0.0323	5.5000e-004	0.0328	8.2900e-003	5.3000e-004	8.8100e-003		56.6455	56.6455	3.7900e-003		56.7402
Vendor	5.3300e-003	0.1891	0.0410	4.2000e-004	0.0100	9.4000e-004	0.0110	2.8900e-003	9.0000e-004	3.7900e-003		44.5915	44.5915	4.4700e-003		44.7032
Worker	0.0321	0.0193	0.2048	6.0000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.8000e-004	0.0181		59.6023	59.6023	1.5200e-003		59.6403
Total	0.0413	0.3802	0.2704	1.5500e-003	0.1093	1.9100e-003	0.1112	0.0289	1.8100e-003	0.0307		160.8393	160.8393	9.7800e-003		161.0837

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.2 Grading - 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					6.5523	0.0000	6.5523	3.3675	0.0000	3.3675			0.0000			0.0000
Off-Road	2.3708	26.3151	14.1590	0.0299		1.1665	1.1665		1.0732	1.0732		2,901.1470	2,901.1470	0.9383		2,924.6042
Total	2.3708	26.3151	14.1590	0.0299	6.5523	1.1665	7.7189	3.3675	1.0732	4.4407		2,901.1470	2,901.1470	0.9383		2,924.6042

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.6800e-003	0.1574	0.0240	5.3000e-004	0.0421	4.8000e-004	0.0426	0.0107	4.6000e-004	0.0112		56.0481	56.0481	3.6500e-003		56.1394
Vendor	4.5700e-003	0.1714	0.0367	4.2000e-004	0.0100	2.9000e-004	0.0103	2.8900e-003	2.8000e-004	3.1700e-003		44.2329	44.2329	4.2400e-003		44.3388
Worker	0.0299	0.0173	0.1872	5.8000e-004	0.0669	4.1000e-004	0.0673	0.0178	3.7000e-004	0.0181		57.6105	57.6105	1.3700e-003		57.6446
Total	0.0381	0.3461	0.2478	1.5300e-003	0.1191	1.1800e-003	0.1203	0.0313	1.1100e-003	0.0325		157.8914	157.8914	9.2600e-003		158.1228

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.2 Grading - 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					2.0968	0.0000	2.0968	1.0776	0.0000	1.0776			0.0000			0.0000
Off-Road	2.3708	26.3151	14.1590	0.0299		1.1665	1.1665		1.0732	1.0732	0.0000	2,901.147 0	2,901.147 0	0.9383		2,924.604 2
Total	2.3708	26.3151	14.1590	0.0299	2.0968	1.1665	3.2633	1.0776	1.0732	2.1508	0.0000	2,901.147 0	2,901.147 0	0.9383		2,924.604 2

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.6800e-003	0.1574	0.0240	5.3000e-004	0.0421	4.8000e-004	0.0426	0.0107	4.6000e-004	0.0112		56.0481	56.0481	3.6500e-003		56.1394
Vendor	4.5700e-003	0.1714	0.0367	4.2000e-004	0.0100	2.9000e-004	0.0103	2.8900e-003	2.8000e-004	3.1700e-003		44.2329	44.2329	4.2400e-003		44.3388
Worker	0.0299	0.0173	0.1872	5.8000e-004	0.0669	4.1000e-004	0.0673	0.0178	3.7000e-004	0.0181		57.6105	57.6105	1.3700e-003		57.6446
Total	0.0381	0.3461	0.2478	1.5300e-003	0.1191	1.1800e-003	0.1203	0.0313	1.1100e-003	0.0325		157.8914	157.8914	9.2600e-003		158.1228

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.3 Paving - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9388	9.6871	7.9680	0.0118		0.5730	0.5730		0.5272	0.5272		1,190.166 2	1,190.166 2	0.3705		1,199.429 1
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9575	9.6871	7.9680	0.0118		0.5730	0.5730		0.5272	0.5272		1,190.166 2	1,190.166 2	0.3705		1,199.429 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4600e-003	0.1979	0.0268	5.5000e-004	0.0921	7.5000e-004	0.0928	0.0230	7.2000e-004	0.0237		57.7689	57.7689	4.0900e-003		57.8712
Vendor	6.9100e-003	0.2207	0.0501	4.3000e-004	0.0100	1.6400e-003	0.0117	2.8900e-003	1.5700e-003	4.4600e-003		45.2095	45.2095	4.9700e-003		45.3337
Worker	0.0379	0.0246	0.2526	6.4000e-004	0.0669	4.3000e-004	0.0674	0.0178	4.0000e-004	0.0182		63.4884	63.4884	1.9300e-003		63.5366
Total	0.0492	0.4433	0.3295	1.6200e-003	0.1691	2.8200e-003	0.1719	0.0436	2.6900e-003	0.0463		166.4667	166.4667	0.0110		166.7415

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.3 Paving - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9388	9.6871	7.9680	0.0118		0.5730	0.5730		0.5272	0.5272	0.0000	1,190.166 2	1,190.166 2	0.3705		1,199.429 1
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.9575	9.6871	7.9680	0.0118		0.5730	0.5730		0.5272	0.5272	0.0000	1,190.166 2	1,190.166 2	0.3705		1,199.429 1

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.4600e-003	0.1979	0.0268	5.5000e-004	0.0921	7.5000e-004	0.0928	0.0230	7.2000e-004	0.0237		57.7689	57.7689	4.0900e-003		57.8712
Vendor	6.9100e-003	0.2207	0.0501	4.3000e-004	0.0100	1.6400e-003	0.0117	2.8900e-003	1.5700e-003	4.4600e-003		45.2095	45.2095	4.9700e-003		45.3337
Worker	0.0379	0.0246	0.2526	6.4000e-004	0.0669	4.3000e-004	0.0674	0.0178	4.0000e-004	0.0182		63.4884	63.4884	1.9300e-003		63.5366
Total	0.0492	0.4433	0.3295	1.6200e-003	0.1691	2.8200e-003	0.1719	0.0436	2.6900e-003	0.0463		166.4667	166.4667	0.0110		166.7415

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.3 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8286	8.5176	7.8834	0.0118		0.4934	0.4934		0.4539	0.4539		1,170.9806	1,170.9806	0.3705		1,180.2428
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8473	8.5176	7.8834	0.0118		0.4934	0.4934		0.4539	0.4539		1,170.9806	1,170.9806	0.3705		1,180.2428

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2500e-003	0.1856	0.0260	5.4000e-004	0.0324	6.8000e-004	0.0331	8.3100e-003	6.5000e-004	8.9600e-003		57.2351	57.2351	3.9900e-003		57.3350
Vendor	6.2800e-003	0.2077	0.0459	4.3000e-004	0.0100	1.3900e-003	0.0114	2.8900e-003	1.3300e-003	4.2200e-003		44.9052	44.9052	4.7900e-003		45.0250
Worker	0.0347	0.0217	0.2262	6.2000e-004	0.0669	4.3000e-004	0.0674	0.0178	3.9000e-004	0.0182		61.5479	61.5479	1.7100e-003		61.5907
Total	0.0452	0.4149	0.2981	1.5900e-003	0.1094	2.5000e-003	0.1119	0.0290	2.3700e-003	0.0313		163.6882	163.6882	0.0105		163.9507

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.3 Paving - 2019

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.8286	8.5176	7.8834	0.0118		0.4934	0.4934		0.4539	0.4539	0.0000	1,170.9806	1,170.9806	0.3705		1,180.2428
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8473	8.5176	7.8834	0.0118		0.4934	0.4934		0.4539	0.4539	0.0000	1,170.9806	1,170.9806	0.3705		1,180.2428

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	4.2500e-003	0.1856	0.0260	5.4000e-004	0.0324	6.8000e-004	0.0331	8.3100e-003	6.5000e-004	8.9600e-003		57.2351	57.2351	3.9900e-003		57.3350
Vendor	6.2800e-003	0.2077	0.0459	4.3000e-004	0.0100	1.3900e-003	0.0114	2.8900e-003	1.3300e-003	4.2200e-003		44.9052	44.9052	4.7900e-003		45.0250
Worker	0.0347	0.0217	0.2262	6.2000e-004	0.0669	4.3000e-004	0.0674	0.0178	3.9000e-004	0.0182		61.5479	61.5479	1.7100e-003		61.5907
Total	0.0452	0.4149	0.2981	1.5900e-003	0.1094	2.5000e-003	0.1119	0.0290	2.3700e-003	0.0313		163.6882	163.6882	0.0105		163.9507

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.3 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7689	7.8760	7.8613	0.0118		0.4481	0.4481		0.4123	0.4123		1,145.4831	1,145.4831	0.3705		1,154.7449
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7876	7.8760	7.8613	0.0118		0.4481	0.4481		0.4123	0.4123		1,145.4831	1,145.4831	0.3705		1,154.7449

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8900e-003	0.1718	0.0246	5.3000e-004	0.0323	5.5000e-004	0.0328	8.2900e-003	5.3000e-004	8.8100e-003		56.6455	56.6455	3.7900e-003		56.7402
Vendor	5.3300e-003	0.1891	0.0410	4.2000e-004	0.0100	9.4000e-004	0.0110	2.8900e-003	9.0000e-004	3.7900e-003		44.5915	44.5915	4.4700e-003		44.7032
Worker	0.0321	0.0193	0.2048	6.0000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.8000e-004	0.0181		59.6023	59.6023	1.5200e-003		59.6403
Total	0.0413	0.3802	0.2704	1.5500e-003	0.1093	1.9100e-003	0.1112	0.0289	1.8100e-003	0.0307		160.8393	160.8393	9.7800e-003		161.0837

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.3 Paving - 2020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.7689	7.8760	7.8613	0.0118		0.4481	0.4481		0.4123	0.4123	0.0000	1,145.4831	1,145.4831	0.3705		1,154.7449
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7876	7.8760	7.8613	0.0118		0.4481	0.4481		0.4123	0.4123	0.0000	1,145.4831	1,145.4831	0.3705		1,154.7449

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	3.8900e-003	0.1718	0.0246	5.3000e-004	0.0323	5.5000e-004	0.0328	8.2900e-003	5.3000e-004	8.8100e-003		56.6455	56.6455	3.7900e-003		56.7402
Vendor	5.3300e-003	0.1891	0.0410	4.2000e-004	0.0100	9.4000e-004	0.0110	2.8900e-003	9.0000e-004	3.7900e-003		44.5915	44.5915	4.4700e-003		44.7032
Worker	0.0321	0.0193	0.2048	6.0000e-004	0.0669	4.2000e-004	0.0674	0.0178	3.8000e-004	0.0181		59.6023	59.6023	1.5200e-003		59.6403
Total	0.0413	0.3802	0.2704	1.5500e-003	0.1093	1.9100e-003	0.1112	0.0289	1.8100e-003	0.0307		160.8393	160.8393	9.7800e-003		161.0837

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.3 Paving - 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	0.7077	7.2500	7.8455	0.0118		0.4012	0.4012		0.3691	0.3691		1,145.315 2	1,145.315 2	0.3704		1,154.575 6
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7264	7.2500	7.8455	0.0118		0.4012	0.4012		0.3691	0.3691		1,145.315 2	1,145.315 2	0.3704		1,154.575 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	3.6800e-003	0.1574	0.0240	5.3000e-004	0.0421	4.8000e-004	0.0426	0.0107	4.6000e-004	0.0112		56.0481	56.0481	3.6500e-003		56.1394
Vendor	4.5700e-003	0.1714	0.0367	4.2000e-004	0.0100	2.9000e-004	0.0103	2.8900e-003	2.8000e-004	3.1700e-003		44.2329	44.2329	4.2400e-003		44.3388
Worker	0.0299	0.0173	0.1872	5.8000e-004	0.0669	4.1000e-004	0.0673	0.0178	3.7000e-004	0.0181		57.6105	57.6105	1.3700e-003		57.6446
Total	0.0381	0.3461	0.2478	1.5300e-003	0.1191	1.1800e-003	0.1203	0.0313	1.1100e-003	0.0325		157.8914	157.8914	9.2600e-003		158.1228

CVWD NPW Connections - Riverside-Salton Sea County, Winter

3.3 Paving - 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	0.7077	7.2500	7.8455	0.0118		0.4012	0.4012		0.3691	0.3691	0.0000	1,145.315 2	1,145.315 2	0.3704		1,154.575 6
Paving	0.0187					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7264	7.2500	7.8455	0.0118		0.4012	0.4012		0.3691	0.3691	0.0000	1,145.315 2	1,145.315 2	0.3704		1,154.575 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	3.6800e-003	0.1574	0.0240	5.3000e-004	0.0421	4.8000e-004	0.0426	0.0107	4.6000e-004	0.0112		56.0481	56.0481	3.6500e-003		56.1394
Vendor	4.5700e-003	0.1714	0.0367	4.2000e-004	0.0100	2.9000e-004	0.0103	2.8900e-003	2.8000e-004	3.1700e-003		44.2329	44.2329	4.2400e-003		44.3388
Worker	0.0299	0.0173	0.1872	5.8000e-004	0.0669	4.1000e-004	0.0673	0.0178	3.7000e-004	0.0181		57.6105	57.6105	1.3700e-003		57.6446
Total	0.0381	0.3461	0.2478	1.5300e-003	0.1191	1.1800e-003	0.1203	0.0313	1.1100e-003	0.0325		157.8914	157.8914	9.2600e-003		158.1228