

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

**Rice Canyon Reservoir Access Road and New Conduit Project
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	2.60	Acre	2.60	113,256.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per Engineer

Construction Phase - Per Engineer.

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Trips and VMT - Two daily water truck trips added to grading phases per Rule 403. Six one way vendor trips per day will be added to account for material delivery during all phases.

Grading -

Construction Off-road Equipment Mitigation - Per Rule 403

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Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	7.00
tblConstructionPhase	NumDays	6.00	15.00
tblConstructionPhase	NumDays	3.00	8.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	10.50	6.00
tblGrading	AcresOfGrading	22.50	6.00
tblGrading	AcresOfGrading	0.00	4.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers

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tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00

2.0 Emissions Summary

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0488	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000	0.0000	6.1000e-004

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0488	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000	0.0000	6.1000e-004

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	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	Clear & Grub	Site Preparation	1/1/2024	1/10/2024	5	8	
2	Low Water Crossing Construction	Grading	2/19/2024	3/29/2024	5	30	
3	Final Grading	Grading	2/1/2024	2/9/2024	5	7	
4	Rough Grading	Grading	1/11/2024	1/31/2024	5	15	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 2.6

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
Clear & Grub	Graders	0	8.00	187	0.41
Clear & Grub	Skid Steer Loaders	1	8.00	65	0.37
Clear & Grub	Scrapers	0	8.00	367	0.48
Rough Grading	Skid Steer Loaders	1	8.00	65	0.37
Clear & Grub	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grading	Rubber Tired Loaders	1	8.00	203	0.36
Low Water Crossing Construction	Graders	0	8.00	187	0.41

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Rough Grading	Rollers	1	8.00	80	0.38
Low Water Crossing Construction	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading	Scrapers	1	8.00	367	0.48
Low Water Crossing Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Final Grading	Skid Steer Loaders	1	8.00	65	0.37
Final Grading	Graders	1	8.00	187	0.41
Final Grading	Rubber Tired Loaders	1	8.00	203	0.36
Final Grading	Rubber Tired Dozers	0	8.00	247	0.40
Final Grading	Rollers	1	8.00	80	0.38
Final Grading	Scrapers	1	8.00	367	0.48
Final Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Rough Grading	Graders	1	8.00	187	0.41
Low Water Crossing Construction	Skid Steer Loaders	1	8.00	65	0.37
Rough Grading	Rubber Tired Dozers	0	8.00	247	0.40
Low Water Crossing Construction	Rubber Tired Loaders	1	8.00	203	0.36
Low Water Crossing Construction	Rollers	1	8.00	80	0.38
Rough Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Clear & Grub	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Low Water Crossing Construction	5	13.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading	5	13.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	5	13.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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3.2 Clear & Grub - 2024

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					0.5965	0.0000	0.5965	0.0644	0.0000	0.0644			0.0000			0.0000
Off-Road	0.3499	3.7196	5.8501	8.3000e-003		0.1594	0.1594		0.1466	0.1466		803.2876	803.2876	0.2598		809.7826
Total	0.3499	3.7196	5.8501	8.3000e-003	0.5965	0.1594	0.7559	0.0644	0.1466	0.2111		803.2876	803.2876	0.2598		809.7826

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8800e-003	0.2614	0.1064	1.3800e-003	0.0512	2.2600e-003	0.0535	0.0148	2.1600e-003	0.0169		145.9325	145.9325	1.5600e-003	0.0215	152.3881
Worker	0.0272	0.0161	0.2736	7.6000e-004	0.0894	4.0000e-004	0.0898	0.0237	3.7000e-004	0.0241		76.9685	76.9685	1.6600e-003	1.7400e-003	77.5298
Total	0.0361	0.2775	0.3800	2.1400e-003	0.1407	2.6600e-003	0.1433	0.0385	2.5300e-003	0.0410		222.9010	222.9010	3.2200e-003	0.0233	229.9179

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3.2 Clear & Grub - 2024

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					0.2327	0.0000	0.2327	0.0251	0.0000	0.0251			0.0000			0.0000
Off-Road	0.3499	3.7196	5.8501	8.3000e-003		0.1594	0.1594		0.1466	0.1466	0.0000	803.2876	803.2876	0.2598		809.7826
Total	0.3499	3.7196	5.8501	8.3000e-003	0.2327	0.1594	0.3920	0.0251	0.1466	0.1718	0.0000	803.2876	803.2876	0.2598		809.7826

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8800e-003	0.2614	0.1064	1.3800e-003	0.0512	2.2600e-003	0.0535	0.0148	2.1600e-003	0.0169		145.9325	145.9325	1.5600e-003	0.0215	152.3881
Worker	0.0272	0.0161	0.2736	7.6000e-004	0.0894	4.0000e-004	0.0898	0.0237	3.7000e-004	0.0241		76.9685	76.9685	1.6600e-003	1.7400e-003	77.5298
Total	0.0361	0.2775	0.3800	2.1400e-003	0.1407	2.6600e-003	0.1433	0.0385	2.5300e-003	0.0410		222.9010	222.9010	3.2200e-003	0.0233	229.9179

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3.3 Low Water Crossing Construction - 2024

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					0.2121	0.0000	0.2121	0.0229	0.0000	0.0229			0.0000			0.0000
Off-Road	0.7490	7.5641	9.1803	0.0172		0.3173	0.3173		0.2919	0.2919		1,662.7647	1,662.7647	0.5378		1,676.2090
Total	0.7490	7.5641	9.1803	0.0172	0.2121	0.3173	0.5294	0.0229	0.2919	0.3148		1,662.7647	1,662.7647	0.5378		1,676.2090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6600e-003	0.1960	0.0798	1.0300e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6200e-003	0.0127		109.4494	109.4494	1.1700e-003	0.0162	114.2911
Worker	0.0442	0.0261	0.4446	1.2400e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		125.0739	125.0739	2.7000e-003	2.8300e-003	125.9859
Total	0.0509	0.2222	0.5244	2.2700e-003	0.1837	2.3500e-003	0.1861	0.0496	2.2200e-003	0.0518		234.5232	234.5232	3.8700e-003	0.0190	240.2770

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3.3 Low Water Crossing Construction - 2024

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					0.0827	0.0000	0.0827	8.9300e-003	0.0000	8.9300e-003			0.0000			0.0000
Off-Road	0.7490	7.5641	9.1803	0.0172		0.3173	0.3173		0.2919	0.2919	0.0000	1,662.7647	1,662.7647	0.5378		1,676.2090
Total	0.7490	7.5641	9.1803	0.0172	0.0827	0.3173	0.4000	8.9300e-003	0.2919	0.3009	0.0000	1,662.7647	1,662.7647	0.5378		1,676.2090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6600e-003	0.1960	0.0798	1.0300e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6200e-003	0.0127		109.4494	109.4494	1.1700e-003	0.0162	114.2911
Worker	0.0442	0.0261	0.4446	1.2400e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		125.0739	125.0739	2.7000e-003	2.8300e-003	125.9859
Total	0.0509	0.2222	0.5244	2.2700e-003	0.1837	2.3500e-003	0.1861	0.0496	2.2200e-003	0.0518		234.5232	234.5232	3.8700e-003	0.0190	240.2770

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3.4 Final Grading - 2024

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					0.9090	0.0000	0.9090	0.0982	0.0000	0.0982			0.0000			0.0000
Off-Road	1.5797	16.5574	12.3624	0.0328		0.6248	0.6248		0.5749	0.5749		3,176.182 2	3,176.182 2	1.0272		3,201.863 3
Total	1.5797	16.5574	12.3624	0.0328	0.9090	0.6248	1.5338	0.0982	0.5749	0.6730		3,176.182 2	3,176.182 2	1.0272		3,201.863 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8800e-003	0.2614	0.1064	1.3800e-003	0.0512	2.2600e-003	0.0535	0.0148	2.1600e-003	0.0169		145.9325	145.9325	1.5600e-003	0.0215	152.3881
Worker	0.0442	0.0261	0.4446	1.2400e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		125.0739	125.0739	2.7000e-003	2.8300e-003	125.9859
Total	0.0531	0.2875	0.5510	2.6200e-003	0.1966	2.9100e-003	0.1995	0.0533	2.7600e-003	0.0561		271.0063	271.0063	4.2600e-003	0.0244	278.3740

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3.4 Final Grading - 2024

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					0.3545	0.0000	0.3545	0.0383	0.0000	0.0383			0.0000			0.0000
Off-Road	1.5797	16.5574	12.3624	0.0328		0.6248	0.6248		0.5749	0.5749	0.0000	3,176.182 2	3,176.182 2	1.0272		3,201.863 3
Total	1.5797	16.5574	12.3624	0.0328	0.3545	0.6248	0.9794	0.0383	0.5749	0.6131	0.0000	3,176.182 2	3,176.182 2	1.0272		3,201.863 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8800e-003	0.2614	0.1064	1.3800e-003	0.0512	2.2600e-003	0.0535	0.0148	2.1600e-003	0.0169		145.9325	145.9325	1.5600e-003	0.0215	152.3881
Worker	0.0442	0.0261	0.4446	1.2400e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		125.0739	125.0739	2.7000e-003	2.8300e-003	125.9859
Total	0.0531	0.2875	0.5510	2.6200e-003	0.1966	2.9100e-003	0.1995	0.0533	2.7600e-003	0.0561		271.0063	271.0063	4.2600e-003	0.0244	278.3740

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

3.5 Rough Grading - 2024

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					0.4242	0.0000	0.4242	0.0458	0.0000	0.0458			0.0000			0.0000
Off-Road	1.5797	16.5574	12.3624	0.0328		0.6248	0.6248		0.5749	0.5749		3,176.182 2	3,176.182 2	1.0272		3,201.863 3
Total	1.5797	16.5574	12.3624	0.0328	0.4242	0.6248	1.0490	0.0458	0.5749	0.6207		3,176.182 2	3,176.182 2	1.0272		3,201.863 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8800e-003	0.2614	0.1064	1.3800e-003	0.0512	2.2600e-003	0.0535	0.0148	2.1600e-003	0.0169		145.9325	145.9325	1.5600e-003	0.0215	152.3881
Worker	0.0442	0.0261	0.4446	1.2400e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		125.0739	125.0739	2.7000e-003	2.8300e-003	125.9859
Total	0.0531	0.2875	0.5510	2.6200e-003	0.1966	2.9100e-003	0.1995	0.0533	2.7600e-003	0.0561		271.0063	271.0063	4.2600e-003	0.0244	278.3740

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

3.5 Rough Grading - 2024

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					0.1654	0.0000	0.1654	0.0179	0.0000	0.0179			0.0000			0.0000
Off-Road	1.5797	16.5574	12.3624	0.0328		0.6248	0.6248		0.5749	0.5749	0.0000	3,176.182 2	3,176.182 2	1.0272		3,201.863 3
Total	1.5797	16.5574	12.3624	0.0328	0.1654	0.6248	0.7903	0.0179	0.5749	0.5927	0.0000	3,176.182 2	3,176.182 2	1.0272		3,201.863 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.8800e-003	0.2614	0.1064	1.3800e-003	0.0512	2.2600e-003	0.0535	0.0148	2.1600e-003	0.0169		145.9325	145.9325	1.5600e-003	0.0215	152.3881
Worker	0.0442	0.0261	0.4446	1.2400e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		125.0739	125.0739	2.7000e-003	2.8300e-003	125.9859
Total	0.0531	0.2875	0.5510	2.6200e-003	0.1966	2.9100e-003	0.1995	0.0533	2.7600e-003	0.0561		271.0063	271.0063	4.2600e-003	0.0244	278.3740

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Unmitigated	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.6300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Total	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

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	8.6300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Total	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

Rice Canyon Reservoir Access Road and New Conduit Project

Riverside-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	2.60	Acre	2.60	113,256.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per Engineer

Construction Phase - Per Engineer.

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Trips and VMT - Two daily water truck trips added to grading phases per Rule 403. Six one way vendor trips per day will be added to account for material delivery during all phases.

Grading -

Construction Off-road Equipment Mitigation - Per Rule 403

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	7.00
tblConstructionPhase	NumDays	6.00	15.00
tblConstructionPhase	NumDays	3.00	8.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	10.50	6.00
tblGrading	AcresOfGrading	22.50	6.00
tblGrading	AcresOfGrading	0.00	4.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00

2.0 Emissions Summary

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0488	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000	0.0000	6.1000e-004

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0488	0.0000	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000	0.0000	6.1000e-004

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Clear & Grub	Site Preparation	1/1/2024	1/10/2024	5	8	
2	Low Water Crossing Construction	Grading	2/19/2024	3/29/2024	5	30	
3	Final Grading	Grading	2/1/2024	2/9/2024	5	7	
4	Rough Grading	Grading	1/11/2024	1/31/2024	5	15	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 2.6

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
Clear & Grub	Graders	0	8.00	187	0.41
Clear & Grub	Skid Steer Loaders	1	8.00	65	0.37
Clear & Grub	Scrapers	0	8.00	367	0.48
Rough Grading	Skid Steer Loaders	1	8.00	65	0.37
Clear & Grub	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grading	Rubber Tired Loaders	1	8.00	203	0.36
Low Water Crossing Construction	Graders	0	8.00	187	0.41

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

Rough Grading	Rollers	1	8.00	80	0.38
Low Water Crossing Construction	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading	Scrapers	1	8.00	367	0.48
Low Water Crossing Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Final Grading	Skid Steer Loaders	1	8.00	65	0.37
Final Grading	Graders	1	8.00	187	0.41
Final Grading	Rubber Tired Loaders	1	8.00	203	0.36
Final Grading	Rubber Tired Dozers	0	8.00	247	0.40
Final Grading	Rollers	1	8.00	80	0.38
Final Grading	Scrapers	1	8.00	367	0.48
Final Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Rough Grading	Graders	1	8.00	187	0.41
Low Water Crossing Construction	Skid Steer Loaders	1	8.00	65	0.37
Rough Grading	Rubber Tired Dozers	0	8.00	247	0.40
Low Water Crossing Construction	Rubber Tired Loaders	1	8.00	203	0.36
Low Water Crossing Construction	Rollers	1	8.00	80	0.38
Rough Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Clear & Grub	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Low Water Crossing Construction	5	13.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading	5	13.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	5	13.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

3.2 Clear & Grub - 2024

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					0.5965	0.0000	0.5965	0.0644	0.0000	0.0644			0.0000			0.0000
Off-Road	0.3499	3.7196	5.8501	8.3000e-003		0.1594	0.1594		0.1466	0.1466		803.2876	803.2876	0.2598		809.7826
Total	0.3499	3.7196	5.8501	8.3000e-003	0.5965	0.1594	0.7559	0.0644	0.1466	0.2111		803.2876	803.2876	0.2598		809.7826

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2100e-003	0.2772	0.1100	1.3800e-003	0.0512	2.2700e-003	0.0535	0.0148	2.1700e-003	0.0169		146.2972	146.2972	1.5300e-003	0.0216	152.7733
Worker	0.0256	0.0167	0.2223	6.9000e-004	0.0894	4.0000e-004	0.0898	0.0237	3.7000e-004	0.0241		69.7541	69.7541	1.6600e-003	1.7800e-003	70.3273
Total	0.0338	0.2939	0.3323	2.0700e-003	0.1407	2.6700e-003	0.1433	0.0385	2.5400e-003	0.0410		216.0513	216.0513	3.1900e-003	0.0234	223.1006

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

3.2 Clear & Grub - 2024

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					0.2327	0.0000	0.2327	0.0251	0.0000	0.0251			0.0000			0.0000
Off-Road	0.3499	3.7196	5.8501	8.3000e-003		0.1594	0.1594		0.1466	0.1466	0.0000	803.2876	803.2876	0.2598		809.7826
Total	0.3499	3.7196	5.8501	8.3000e-003	0.2327	0.1594	0.3920	0.0251	0.1466	0.1718	0.0000	803.2876	803.2876	0.2598		809.7826

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2100e-003	0.2772	0.1100	1.3800e-003	0.0512	2.2700e-003	0.0535	0.0148	2.1700e-003	0.0169		146.2972	146.2972	1.5300e-003	0.0216	152.7733
Worker	0.0256	0.0167	0.2223	6.9000e-004	0.0894	4.0000e-004	0.0898	0.0237	3.7000e-004	0.0241		69.7541	69.7541	1.6600e-003	1.7800e-003	70.3273
Total	0.0338	0.2939	0.3323	2.0700e-003	0.1407	2.6700e-003	0.1433	0.0385	2.5400e-003	0.0410		216.0513	216.0513	3.1900e-003	0.0234	223.1006

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

3.3 Low Water Crossing Construction - 2024

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					0.2121	0.0000	0.2121	0.0229	0.0000	0.0229			0.0000			0.0000
Off-Road	0.7490	7.5641	9.1803	0.0172		0.3173	0.3173		0.2919	0.2919		1,662.7647	1,662.7647	0.5378		1,676.2090
Total	0.7490	7.5641	9.1803	0.0172	0.2121	0.3173	0.5294	0.0229	0.2919	0.3148		1,662.7647	1,662.7647	0.5378		1,676.2090

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1600e-003	0.2079	0.0825	1.0300e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6300e-003	0.0127		109.7229	109.7229	1.1500e-003	0.0162	114.5800
Worker	0.0416	0.0271	0.3612	1.1200e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		113.3505	113.3505	2.7000e-003	2.9000e-003	114.2819
Total	0.0478	0.2350	0.4437	2.1500e-003	0.1837	2.3500e-003	0.1861	0.0496	2.2300e-003	0.0518		223.0733	223.0733	3.8500e-003	0.0191	228.8619

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

3.3 Low Water Crossing Construction - 2024

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					0.0827	0.0000	0.0827	8.9300e-003	0.0000	8.9300e-003			0.0000			0.0000
Off-Road	0.7490	7.5641	9.1803	0.0172		0.3173	0.3173		0.2919	0.2919	0.0000	1,662.7647	1,662.7647	0.5378		1,676.2090
Total	0.7490	7.5641	9.1803	0.0172	0.0827	0.3173	0.4000	8.9300e-003	0.2919	0.3009	0.0000	1,662.7647	1,662.7647	0.5378		1,676.2090

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1600e-003	0.2079	0.0825	1.0300e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6300e-003	0.0127		109.7229	109.7229	1.1500e-003	0.0162	114.5800
Worker	0.0416	0.0271	0.3612	1.1200e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		113.3505	113.3505	2.7000e-003	2.9000e-003	114.2819
Total	0.0478	0.2350	0.4437	2.1500e-003	0.1837	2.3500e-003	0.1861	0.0496	2.2300e-003	0.0518		223.0733	223.0733	3.8500e-003	0.0191	228.8619

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

3.4 Final Grading - 2024

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					0.9090	0.0000	0.9090	0.0982	0.0000	0.0982			0.0000			0.0000
Off-Road	1.5797	16.5574	12.3624	0.0328		0.6248	0.6248		0.5749	0.5749		3,176.182 2	3,176.182 2	1.0272		3,201.863 3
Total	1.5797	16.5574	12.3624	0.0328	0.9090	0.6248	1.5338	0.0982	0.5749	0.6730		3,176.182 2	3,176.182 2	1.0272		3,201.863 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2100e-003	0.2772	0.1100	1.3800e-003	0.0512	2.2700e-003	0.0535	0.0148	2.1700e-003	0.0169		146.2972	146.2972	1.5300e-003	0.0216	152.7733
Worker	0.0416	0.0271	0.3612	1.1200e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		113.3505	113.3505	2.7000e-003	2.9000e-003	114.2819
Total	0.0498	0.3043	0.4712	2.5000e-003	0.1966	2.9200e-003	0.1995	0.0533	2.7700e-003	0.0561		259.6476	259.6476	4.2300e-003	0.0245	267.0552

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

3.4 Final Grading - 2024

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					0.3545	0.0000	0.3545	0.0383	0.0000	0.0383			0.0000			0.0000
Off-Road	1.5797	16.5574	12.3624	0.0328		0.6248	0.6248		0.5749	0.5749	0.0000	3,176.182 ₂	3,176.182 ₂	1.0272		3,201.863 ₃
Total	1.5797	16.5574	12.3624	0.0328	0.3545	0.6248	0.9794	0.0383	0.5749	0.6131	0.0000	3,176.182₂	3,176.182₂	1.0272		3,201.863₃

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2100e-003	0.2772	0.1100	1.3800e-003	0.0512	2.2700e-003	0.0535	0.0148	2.1700e-003	0.0169		146.2972	146.2972	1.5300e-003	0.0216	152.7733
Worker	0.0416	0.0271	0.3612	1.1200e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		113.3505	113.3505	2.7000e-003	2.9000e-003	114.2819
Total	0.0498	0.3043	0.4712	2.5000e-003	0.1966	2.9200e-003	0.1995	0.0533	2.7700e-003	0.0561		259.6476	259.6476	4.2300e-003	0.0245	267.0552

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

3.5 Rough Grading - 2024

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					0.4242	0.0000	0.4242	0.0458	0.0000	0.0458			0.0000			0.0000
Off-Road	1.5797	16.5574	12.3624	0.0328		0.6248	0.6248		0.5749	0.5749		3,176.182 2	3,176.182 2	1.0272		3,201.863 3
Total	1.5797	16.5574	12.3624	0.0328	0.4242	0.6248	1.0490	0.0458	0.5749	0.6207		3,176.182 2	3,176.182 2	1.0272		3,201.863 3

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2100e-003	0.2772	0.1100	1.3800e-003	0.0512	2.2700e-003	0.0535	0.0148	2.1700e-003	0.0169		146.2972	146.2972	1.5300e-003	0.0216	152.7733
Worker	0.0416	0.0271	0.3612	1.1200e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		113.3505	113.3505	2.7000e-003	2.9000e-003	114.2819
Total	0.0498	0.3043	0.4712	2.5000e-003	0.1966	2.9200e-003	0.1995	0.0533	2.7700e-003	0.0561		259.6476	259.6476	4.2300e-003	0.0245	267.0552

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

3.5 Rough Grading - 2024

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					0.1654	0.0000	0.1654	0.0179	0.0000	0.0179			0.0000			0.0000
Off-Road	1.5797	16.5574	12.3624	0.0328		0.6248	0.6248		0.5749	0.5749	0.0000	3,176.182 2	3,176.182 2	1.0272		3,201.863 3
Total	1.5797	16.5574	12.3624	0.0328	0.1654	0.6248	0.7903	0.0179	0.5749	0.5927	0.0000	3,176.182 2	3,176.182 2	1.0272		3,201.863 3

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.2100e-003	0.2772	0.1100	1.3800e-003	0.0512	2.2700e-003	0.0535	0.0148	2.1700e-003	0.0169		146.2972	146.2972	1.5300e-003	0.0216	152.7733
Worker	0.0416	0.0271	0.3612	1.1200e-003	0.1453	6.5000e-004	0.1460	0.0385	6.0000e-004	0.0391		113.3505	113.3505	2.7000e-003	2.9000e-003	114.2819
Total	0.0498	0.3043	0.4712	2.5000e-003	0.1966	2.9200e-003	0.1995	0.0533	2.7700e-003	0.0561		259.6476	259.6476	4.2300e-003	0.0245	267.0552

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Unmitigated	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	8.6300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Total	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

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	8.6300e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0401					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004
Total	0.0488	0.0000	2.7000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.7000e-004	5.7000e-004	0.0000		6.1000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Annual

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

Rice Canyon Reservoir Access Road and New Conduit Project

Riverside-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	2.60	Acre	2.60	113,256.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Per Engineer

Construction Phase - Per Engineer.

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Off-road Equipment - Per Engineer

Trips and VMT - Two daily water truck trips added to grading phases per Rule 403. Six one way vendor trips per day will be added to account for material delivery during all phases.

Grading -

Construction Off-road Equipment Mitigation - Per Rule 403

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Annual

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	6.00	30.00
tblConstructionPhase	NumDays	6.00	7.00
tblConstructionPhase	NumDays	6.00	15.00
tblConstructionPhase	NumDays	3.00	8.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	AcresOfGrading	10.50	6.00
tblGrading	AcresOfGrading	22.50	6.00
tblGrading	AcresOfGrading	0.00	4.50
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.48	0.48
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.36	0.36
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Annual

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

tblOffRoadEquipment	OffRoadEquipmentType		Scrapers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	8.00

2.0 Emissions Summary

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Annual

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2024	3-31-2024	0.3366	0.3366
		Highest	0.3366	0.3366

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	8.9000e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.9000e-003	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005

Rice Canyon Reservoir Access Road and New Conduit Project - Riverside-South Coast County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	8.9000e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.9000e-003	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	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	Clear & Grub	Site Preparation	1/1/2024	1/10/2024	5	8	
2	Low Water Crossing Construction	Grading	2/19/2024	3/29/2024	5	30	
3	Final Grading	Grading	2/1/2024	2/9/2024	5	7	

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

4	Rough Grading	Grading	1/11/2024	1/31/2024	5	15
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Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 6

Acres of Paving: 2.6

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
Clear & Grub	Graders	0	8.00	187	0.41
Clear & Grub	Skid Steer Loaders	1	8.00	65	0.37
Clear & Grub	Scrapers	0	8.00	367	0.48
Rough Grading	Skid Steer Loaders	1	8.00	65	0.37
Clear & Grub	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Rough Grading	Rubber Tired Loaders	1	8.00	203	0.36
Low Water Crossing Construction	Graders	0	8.00	187	0.41
Rough Grading	Rollers	1	8.00	80	0.38
Low Water Crossing Construction	Rubber Tired Dozers	0	8.00	247	0.40
Rough Grading	Scrapers	1	8.00	367	0.48
Low Water Crossing Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Final Grading	Skid Steer Loaders	1	8.00	65	0.37
Final Grading	Graders	1	8.00	187	0.41
Final Grading	Rubber Tired Loaders	1	8.00	203	0.36
Final Grading	Rubber Tired Dozers	0	8.00	247	0.40
Final Grading	Rollers	1	8.00	80	0.38
Final Grading	Scrapers	1	8.00	367	0.48
Final Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Rough Grading	Graders	1	8.00	187	0.41

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

Low Water Crossing Construction	Skid Steer Loaders	1	8.00	65	0.37
Rough Grading	Rubber Tired Dozers	0	8.00	247	0.40
Low Water Crossing Construction	Rubber Tired Loaders	1	8.00	203	0.36
Low Water Crossing Construction	Rollers	1	8.00	80	0.38
Rough Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Clear & Grub	3	8.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Low Water Crossing Construction	5	13.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Final Grading	5	13.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Rough Grading	5	13.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

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

3.2 Clear & Grub - 2024

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					2.3900e-003	0.0000	2.3900e-003	2.6000e-004	0.0000	2.6000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0149	0.0234	3.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	2.9149	2.9149	9.4000e-004	0.0000	2.9385
Total	1.4000e-003	0.0149	0.0234	3.0000e-005	2.3900e-003	6.4000e-004	3.0300e-003	2.6000e-004	5.9000e-004	8.5000e-004	0.0000	2.9149	2.9149	9.4000e-004	0.0000	2.9385

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	3.0000e-005	1.1000e-003	4.3000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	8.0000e-005	0.5536
Worker	1.0000e-004	7.0000e-005	9.4000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2590	0.2590	1.0000e-005	1.0000e-005	0.2611
Total	1.3000e-004	1.1700e-003	1.3700e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.6000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	0.7891	0.7891	2.0000e-005	9.0000e-005	0.8147

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

3.2 Clear & Grub - 2024

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					9.3000e-004	0.0000	9.3000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.4000e-003	0.0149	0.0234	3.0000e-005		6.4000e-004	6.4000e-004		5.9000e-004	5.9000e-004	0.0000	2.9149	2.9149	9.4000e-004	0.0000	2.9385
Total	1.4000e-003	0.0149	0.0234	3.0000e-005	9.3000e-004	6.4000e-004	1.5700e-003	1.0000e-004	5.9000e-004	6.9000e-004	0.0000	2.9149	2.9149	9.4000e-004	0.0000	2.9385

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	3.0000e-005	1.1000e-003	4.3000e-004	1.0000e-005	2.0000e-004	1.0000e-005	2.1000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.5301	0.5301	1.0000e-005	8.0000e-005	0.5536
Worker	1.0000e-004	7.0000e-005	9.4000e-004	0.0000	3.5000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2590	0.2590	1.0000e-005	1.0000e-005	0.2611
Total	1.3000e-004	1.1700e-003	1.3700e-003	1.0000e-005	5.5000e-004	1.0000e-005	5.6000e-004	1.5000e-004	1.0000e-005	1.6000e-004	0.0000	0.7891	0.7891	2.0000e-005	9.0000e-005	0.8147

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

3.3 Low Water Crossing Construction - 2024

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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.1135	0.1377	2.6000e-004		4.7600e-003	4.7600e-003		4.3800e-003	4.3800e-003	0.0000	22.6265	22.6265	7.3200e-003	0.0000	22.8095
Total	0.0112	0.1135	0.1377	2.6000e-004	3.1800e-003	4.7600e-003	7.9400e-003	3.4000e-004	4.3800e-003	4.7200e-003	0.0000	22.6265	22.6265	7.3200e-003	0.0000	22.8095

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	3.0900e-003	1.2200e-003	2.0000e-005	5.7000e-004	3.0000e-005	5.9000e-004	1.6000e-004	2.0000e-005	1.9000e-004	0.0000	1.4909	1.4909	2.0000e-005	2.2000e-004	1.5569
Worker	5.9000e-004	4.2000e-004	5.7100e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.5783	1.5783	4.0000e-005	4.0000e-005	1.5912
Total	6.9000e-004	3.5100e-003	6.9300e-003	4.0000e-005	2.7100e-003	4.0000e-005	2.7400e-003	7.3000e-004	3.0000e-005	7.7000e-004	0.0000	3.0692	3.0692	6.0000e-005	2.6000e-004	3.1481

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

3.3 Low Water Crossing Construction - 2024

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					1.2400e-003	0.0000	1.2400e-003	1.3000e-004	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0112	0.1135	0.1377	2.6000e-004		4.7600e-003	4.7600e-003		4.3800e-003	4.3800e-003	0.0000	22.6265	22.6265	7.3200e-003	0.0000	22.8094
Total	0.0112	0.1135	0.1377	2.6000e-004	1.2400e-003	4.7600e-003	6.0000e-003	1.3000e-004	4.3800e-003	4.5100e-003	0.0000	22.6265	22.6265	7.3200e-003	0.0000	22.8094

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0000e-004	3.0900e-003	1.2200e-003	2.0000e-005	5.7000e-004	3.0000e-005	5.9000e-004	1.6000e-004	2.0000e-005	1.9000e-004	0.0000	1.4909	1.4909	2.0000e-005	2.2000e-004	1.5569
Worker	5.9000e-004	4.2000e-004	5.7100e-003	2.0000e-005	2.1400e-003	1.0000e-005	2.1500e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.5783	1.5783	4.0000e-005	4.0000e-005	1.5912
Total	6.9000e-004	3.5100e-003	6.9300e-003	4.0000e-005	2.7100e-003	4.0000e-005	2.7400e-003	7.3000e-004	3.0000e-005	7.7000e-004	0.0000	3.0692	3.0692	6.0000e-005	2.6000e-004	3.1481

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3.4 Final Grading - 2024

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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5300e-003	0.0580	0.0433	1.1000e-004		2.1900e-003	2.1900e-003		2.0100e-003	2.0100e-003	0.0000	10.0848	10.0848	3.2600e-003	0.0000	10.1664
Total	5.5300e-003	0.0580	0.0433	1.1000e-004	3.1800e-003	2.1900e-003	5.3700e-003	3.4000e-004	2.0100e-003	2.3500e-003	0.0000	10.0848	10.0848	3.2600e-003	0.0000	10.1664

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	3.0000e-005	9.6000e-004	3.8000e-004	0.0000	1.8000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.4638	0.4638	0.0000	7.0000e-005	0.4844
Worker	1.4000e-004	1.0000e-004	1.3300e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3683	0.3683	1.0000e-005	1.0000e-005	0.3713
Total	1.7000e-004	1.0600e-003	1.7100e-003	0.0000	6.8000e-004	1.0000e-005	6.8000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.8321	0.8321	1.0000e-005	8.0000e-005	0.8557

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

3.4 Final Grading - 2024

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					1.2400e-003	0.0000	1.2400e-003	1.3000e-004	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.5300e-003	0.0580	0.0433	1.1000e-004		2.1900e-003	2.1900e-003		2.0100e-003	2.0100e-003	0.0000	10.0848	10.0848	3.2600e-003	0.0000	10.1664
Total	5.5300e-003	0.0580	0.0433	1.1000e-004	1.2400e-003	2.1900e-003	3.4300e-003	1.3000e-004	2.0100e-003	2.1400e-003	0.0000	10.0848	10.0848	3.2600e-003	0.0000	10.1664

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	3.0000e-005	9.6000e-004	3.8000e-004	0.0000	1.8000e-004	1.0000e-005	1.8000e-004	5.0000e-005	1.0000e-005	6.0000e-005	0.0000	0.4638	0.4638	0.0000	7.0000e-005	0.4844
Worker	1.4000e-004	1.0000e-004	1.3300e-003	0.0000	5.0000e-004	0.0000	5.0000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3683	0.3683	1.0000e-005	1.0000e-005	0.3713
Total	1.7000e-004	1.0600e-003	1.7100e-003	0.0000	6.8000e-004	1.0000e-005	6.8000e-004	1.8000e-004	1.0000e-005	1.9000e-004	0.0000	0.8321	0.8321	1.0000e-005	8.0000e-005	0.8557

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3.5 Rough Grading - 2024

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					3.1800e-003	0.0000	3.1800e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.1242	0.0927	2.5000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	21.6104	21.6104	6.9900e-003	0.0000	21.7851
Total	0.0119	0.1242	0.0927	2.5000e-004	3.1800e-003	4.6900e-003	7.8700e-003	3.4000e-004	4.3100e-003	4.6500e-003	0.0000	21.6104	21.6104	6.9900e-003	0.0000	21.7851

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.0600e-003	8.1000e-004	1.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	0.9940	0.9940	1.0000e-005	1.5000e-004	1.0380
Worker	3.0000e-004	2.1000e-004	2.8500e-003	1.0000e-005	1.0700e-003	0.0000	1.0800e-003	2.8000e-004	0.0000	2.9000e-004	0.0000	0.7892	0.7892	2.0000e-005	2.0000e-005	0.7956
Total	3.6000e-004	2.2700e-003	3.6600e-003	2.0000e-005	1.4500e-003	2.0000e-005	1.4800e-003	3.9000e-004	2.0000e-005	4.2000e-004	0.0000	1.7831	1.7831	3.0000e-005	1.7000e-004	1.8336

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

3.5 Rough Grading - 2024

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					1.2400e-003	0.0000	1.2400e-003	1.3000e-004	0.0000	1.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0119	0.1242	0.0927	2.5000e-004		4.6900e-003	4.6900e-003		4.3100e-003	4.3100e-003	0.0000	21.6104	21.6104	6.9900e-003	0.0000	21.7851
Total	0.0119	0.1242	0.0927	2.5000e-004	1.2400e-003	4.6900e-003	5.9300e-003	1.3000e-004	4.3100e-003	4.4400e-003	0.0000	21.6104	21.6104	6.9900e-003	0.0000	21.7851

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0000e-005	2.0600e-003	8.1000e-004	1.0000e-005	3.8000e-004	2.0000e-005	4.0000e-004	1.1000e-004	2.0000e-005	1.3000e-004	0.0000	0.9940	0.9940	1.0000e-005	1.5000e-004	1.0380
Worker	3.0000e-004	2.1000e-004	2.8500e-003	1.0000e-005	1.0700e-003	0.0000	1.0800e-003	2.8000e-004	0.0000	2.9000e-004	0.0000	0.7892	0.7892	2.0000e-005	2.0000e-005	0.7956
Total	3.6000e-004	2.2700e-003	3.6600e-003	2.0000e-005	1.4500e-003	2.0000e-005	1.4800e-003	3.9000e-004	2.0000e-005	4.2000e-004	0.0000	1.7831	1.7831	3.0000e-005	1.7000e-004	1.8336

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0.537845	0.056225	0.173186	0.138405	0.025906	0.007191	0.011447	0.018769	0.000611	0.000309	0.023821	0.001097	0.005189

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

5.3 Energy by Land Use - Electricity

Unmitigated

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

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	8.9000e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Unmitigated	8.9000e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.5700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.3200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Total	8.8900e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.5700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	7.3200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Total	8.8900e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

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

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

7.2 Water by Land Use

Unmitigated

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

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

7.2 Water by Land Use

Mitigated

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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

8.2 Waste by Land Use

Unmitigated

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

Mitigated

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

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

**Rice Canyon Reservoir Repairs
Riverside-South Coast County, Summer**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.43	Acre	0.43	18,852.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Reservoir area used as construction footprint
- Construction Phase - Per Applicant
- Off-road Equipment - Per Applicant, 8 hours per day.
- Trips and VMT - Six (6) one-way Vendor truck trips for equipment and materials.
- Architectural Coating - Per Tank Dimensions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	17,059.63
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	26,051.66
tblConstructionPhase	NumDays	5.00	240.00
tblConstructionPhase	PhaseEndDate	4/5/2024	2/28/2025

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

tblLandUse	LandUseSquareFeet	18,730.80	18,852.00
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Other Material Handling Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00

2.0 Emissions Summary

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.8064	16.9057	23.6909	0.0428	0.0608	0.7547	0.8155	0.0170	0.7251	0.7421	0.0000	4,109.987 2	4,109.987 2	0.7362	0.0166	4,133.333 8
2025	2.6774	15.4953	23.6013	0.0428	0.0608	0.6509	0.7117	0.0170	0.6251	0.6421	0.0000	4,107.420 5	4,107.420 5	0.7305	0.0162	4,130.521 8
Maximum	2.8064	16.9057	23.6909	0.0428	0.0608	0.7547	0.8155	0.0170	0.7251	0.7421	0.0000	4,109.987 2	4,109.987 2	0.7362	0.0166	4,133.333 8

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.8064	16.9057	23.6909	0.0428	0.0608	0.7547	0.8155	0.0170	0.7251	0.7421	0.0000	4,109.987 2	4,109.987 2	0.7362	0.0166	4,133.333 8
2025	2.6774	15.4953	23.6013	0.0428	0.0608	0.6509	0.7117	0.0170	0.6251	0.6421	0.0000	4,107.420 5	4,107.420 5	0.7305	0.0162	4,130.521 8
Maximum	2.8064	16.9057	23.6909	0.0428	0.0608	0.7547	0.8155	0.0170	0.7251	0.7421	0.0000	4,109.987 2	4,109.987 2	0.7362	0.0166	4,133.333 8

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.1200e-003	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004

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	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.1200e-003	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Reservoir Coating	Architectural Coating	3/30/2024	2/28/2025	5	240	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.43

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 26,052; Non-Residential Outdoor: 17,060; Striped Parking Area: 1,131 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reservoir Coating	Air Compressors	2	8.00	78	0.48
Reservoir Coating	Aerial Lifts	2	8.00	63	0.31
Reservoir Coating	Cranes	1	8.00	231	0.29
Reservoir Coating	Generator Sets	2	8.00	84	0.74
Reservoir Coating	Other Material Handling Equipment	2	8.00	168	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
Reservoir Coating	9	2.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

3.1 Mitigation Measures Construction

3.2 Reservoir Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9385	16.7056	23.5427	0.0416		0.7529	0.7529		0.7234	0.7234		3,981.2957	3,981.2957	0.7346		3,999.6603
Total	2.7929	16.7056	23.5427	0.0416		0.7529	0.7529		0.7234	0.7234		3,981.2957	3,981.2957	0.7346		3,999.6603

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

3.2 Reservoir Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6600e-003	0.1960	0.0798	1.0300e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6200e-003	0.0127		109.4494	109.4494	1.1700e-003	0.0162	114.2911
Worker	6.8100e-003	4.0200e-003	0.0684	1.9000e-004	0.0224	1.0000e-004	0.0225	5.9300e-003	9.0000e-005	6.0200e-003		19.2421	19.2421	4.2000e-004	4.4000e-004	19.3824
Total	0.0135	0.2001	0.1482	1.2200e-003	0.0608	1.8000e-003	0.0626	0.0170	1.7100e-003	0.0187		128.6915	128.6915	1.5900e-003	0.0166	133.6735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9385	16.7056	23.5427	0.0416		0.7529	0.7529		0.7234	0.7234	0.0000	3,981.2957	3,981.2957	0.7346		3,999.6603
Total	2.7929	16.7056	23.5427	0.0416		0.7529	0.7529		0.7234	0.7234	0.0000	3,981.2957	3,981.2957	0.7346		3,999.6603

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

3.2 Reservoir Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.6600e-003	0.1960	0.0798	1.0300e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6200e-003	0.0127		109.4494	109.4494	1.1700e-003	0.0162	114.2911
Worker	6.8100e-003	4.0200e-003	0.0684	1.9000e-004	0.0224	1.0000e-004	0.0225	5.9300e-003	9.0000e-005	6.0200e-003		19.2421	19.2421	4.2000e-004	4.4000e-004	19.3824
Total	0.0135	0.2001	0.1482	1.2200e-003	0.0608	1.8000e-003	0.0626	0.0170	1.7100e-003	0.0187		128.6915	128.6915	1.5900e-003	0.0166	133.6735

3.2 Reservoir Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.8100	15.2973	23.4588	0.0416		0.6491	0.6491		0.6234	0.6234		3,981.3145	3,981.3145	0.7289		3,999.5366
Total	2.6644	15.2973	23.4588	0.0416		0.6491	0.6491		0.6234	0.6234		3,981.3145	3,981.3145	0.7289		3,999.5366

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

3.2 Reservoir Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5700e-003	0.1944	0.0789	1.0100e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6200e-003	0.0127		107.5201	107.5201	1.2200e-003	0.0158	112.2686
Worker	6.3600e-003	3.6000e-003	0.0636	1.8000e-004	0.0224	9.0000e-005	0.0225	5.9300e-003	9.0000e-005	6.0200e-003		18.5860	18.5860	3.8000e-004	4.1000e-004	18.7166
Total	0.0129	0.1980	0.1425	1.1900e-003	0.0608	1.7900e-003	0.0626	0.0170	1.7100e-003	0.0187		126.1060	126.1060	1.6000e-003	0.0162	130.9852

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.8100	15.2973	23.4588	0.0416		0.6491	0.6491		0.6234	0.6234	0.0000	3,981.3145	3,981.3145	0.7289		3,999.5366
Total	2.6644	15.2973	23.4588	0.0416		0.6491	0.6491		0.6234	0.6234	0.0000	3,981.3145	3,981.3145	0.7289		3,999.5366

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

3.2 Reservoir Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.5700e-003	0.1944	0.0789	1.0100e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6200e-003	0.0127		107.5201	107.5201	1.2200e-003	0.0158	112.2686
Worker	6.3600e-003	3.6000e-003	0.0636	1.8000e-004	0.0224	9.0000e-005	0.0225	5.9300e-003	9.0000e-005	6.0200e-003		18.5860	18.5860	3.8000e-004	4.1000e-004	18.7166
Total	0.0129	0.1980	0.1425	1.1900e-003	0.0608	1.7900e-003	0.0626	0.0170	1.7100e-003	0.0187		126.1060	126.1060	1.6000e-003	0.0162	130.9852

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Unmitigated	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Total	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Total	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Summer

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

**Rice Canyon Reservoir Repairs
Riverside-South Coast County, Winter**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.43	Acre	0.43	18,852.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Reservoir area used as construction footprint
- Construction Phase - Per Applicant
- Off-road Equipment - Per Applicant, 8 hours per day.
- Trips and VMT - Six (6) one-way Vendor truck trips for equipment and materials.
- Architectural Coating - Per Tank Dimensions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	17,059.63
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	26,051.66
tblConstructionPhase	NumDays	5.00	240.00
tblConstructionPhase	PhaseEndDate	4/5/2024	2/28/2025

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

tblLandUse	LandUseSquareFeet	18,730.80	18,852.00
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Other Material Handling Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00

2.0 Emissions Summary

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.8055	16.9177	23.6807	0.0428	0.0608	0.7547	0.8155	0.0170	0.7251	0.7421	0.0000	4,108.457 1	4,108.457 1	0.7362	0.0167	4,131.822 1
2025	2.6765	15.5072	23.5921	0.0428	0.0608	0.6509	0.7117	0.0170	0.6251	0.6421	0.0000	4,105.953 2	4,105.953 2	0.7305	0.0163	4,129.072 2
Maximum	2.8055	16.9177	23.6807	0.0428	0.0608	0.7547	0.8155	0.0170	0.7251	0.7421	0.0000	4,108.457 1	4,108.457 1	0.7362	0.0167	4,131.822 1

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2024	2.8055	16.9177	23.6807	0.0428	0.0608	0.7547	0.8155	0.0170	0.7251	0.7421	0.0000	4,108.457 1	4,108.457 1	0.7362	0.0167	4,131.822 1
2025	2.6765	15.5072	23.5921	0.0428	0.0608	0.6509	0.7117	0.0170	0.6251	0.6421	0.0000	4,105.953 2	4,105.953 2	0.7305	0.0163	4,129.072 2
Maximum	2.8055	16.9177	23.6807	0.0428	0.0608	0.7547	0.8155	0.0170	0.7251	0.7421	0.0000	4,108.457 1	4,108.457 1	0.7362	0.0167	4,131.822 1

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.1200e-003	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004

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	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.1200e-003	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000	0.0000	1.0000e-004

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Reservoir Coating	Architectural Coating	3/30/2024	2/28/2025	5	240	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.43

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 26,052; Non-Residential Outdoor: 17,060; Striped Parking Area: 1,131 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reservoir Coating	Air Compressors	2	8.00	78	0.48
Reservoir Coating	Aerial Lifts	2	8.00	63	0.31
Reservoir Coating	Cranes	1	8.00	231	0.29
Reservoir Coating	Generator Sets	2	8.00	84	0.74
Reservoir Coating	Other Material Handling Equipment	2	8.00	168	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
Reservoir Coating	9	2.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

3.1 Mitigation Measures Construction

3.2 Reservoir Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9385	16.7056	23.5427	0.0416		0.7529	0.7529		0.7234	0.7234		3,981.2957	3,981.2957	0.7346		3,999.6603
Total	2.7929	16.7056	23.5427	0.0416		0.7529	0.7529		0.7234	0.7234		3,981.2957	3,981.2957	0.7346		3,999.6603

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

3.2 Reservoir Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1600e-003	0.2079	0.0825	1.0300e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6300e-003	0.0127		109.7229	109.7229	1.1500e-003	0.0162	114.5800
Worker	6.4000e-003	4.1700e-003	0.0556	1.7000e-004	0.0224	1.0000e-004	0.0225	5.9300e-003	9.0000e-005	6.0200e-003		17.4385	17.4385	4.2000e-004	4.5000e-004	17.5818
Total	0.0126	0.2121	0.1381	1.2000e-003	0.0608	1.8000e-003	0.0626	0.0170	1.7200e-003	0.0187		127.1614	127.1614	1.5700e-003	0.0167	132.1618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.9385	16.7056	23.5427	0.0416		0.7529	0.7529		0.7234	0.7234	0.0000	3,981.2957	3,981.2957	0.7346		3,999.6603
Total	2.7929	16.7056	23.5427	0.0416		0.7529	0.7529		0.7234	0.7234	0.0000	3,981.2957	3,981.2957	0.7346		3,999.6603

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

3.2 Reservoir Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.1600e-003	0.2079	0.0825	1.0300e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6300e-003	0.0127		109.7229	109.7229	1.1500e-003	0.0162	114.5800
Worker	6.4000e-003	4.1700e-003	0.0556	1.7000e-004	0.0224	1.0000e-004	0.0225	5.9300e-003	9.0000e-005	6.0200e-003		17.4385	17.4385	4.2000e-004	4.5000e-004	17.5818
Total	0.0126	0.2121	0.1381	1.2000e-003	0.0608	1.8000e-003	0.0626	0.0170	1.7200e-003	0.0187		127.1614	127.1614	1.5700e-003	0.0167	132.1618

3.2 Reservoir Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.8100	15.2973	23.4588	0.0416		0.6491	0.6491		0.6234	0.6234		3,981.3145	3,981.3145	0.7289		3,999.5366
Total	2.6644	15.2973	23.4588	0.0416		0.6491	0.6491		0.6234	0.6234		3,981.3145	3,981.3145	0.7289		3,999.5366

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

3.2 Reservoir Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0700e-003	0.2062	0.0816	1.0200e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6300e-003	0.0127		107.7903	107.7903	1.1900e-003	0.0159	112.5539
Worker	5.9900e-003	3.7400e-003	0.0517	1.7000e-004	0.0224	9.0000e-005	0.0225	5.9300e-003	9.0000e-005	6.0200e-003		16.8483	16.8483	3.8000e-004	4.2000e-004	16.9817
Total	0.0121	0.2100	0.1333	1.1900e-003	0.0608	1.7900e-003	0.0626	0.0170	1.7200e-003	0.0187		124.6387	124.6387	1.5700e-003	0.0163	129.5356

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	0.8544					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	1.8100	15.2973	23.4588	0.0416		0.6491	0.6491		0.6234	0.6234	0.0000	3,981.3145	3,981.3145	0.7289		3,999.5366
Total	2.6644	15.2973	23.4588	0.0416		0.6491	0.6491		0.6234	0.6234	0.0000	3,981.3145	3,981.3145	0.7289		3,999.5366

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

3.2 Reservoir Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.0700e-003	0.2062	0.0816	1.0200e-003	0.0384	1.7000e-003	0.0401	0.0111	1.6300e-003	0.0127		107.7903	107.7903	1.1900e-003	0.0159	112.5539
Worker	5.9900e-003	3.7400e-003	0.0517	1.7000e-004	0.0224	9.0000e-005	0.0225	5.9300e-003	9.0000e-005	6.0200e-003		16.8483	16.8483	3.8000e-004	4.2000e-004	16.9817
Total	0.0121	0.2100	0.1333	1.1900e-003	0.0608	1.7900e-003	0.0626	0.0170	1.7200e-003	0.0187		124.6387	124.6387	1.5700e-003	0.0163	129.5356

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

5.2 Energy by Land Use - 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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Unmitigated	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Total	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.4400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	6.6800e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0000	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004
Total	8.1200e-003	0.0000	4.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000		9.0000e-005	9.0000e-005	0.0000		1.0000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Winter

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

**Rice Canyon Reservoir Repairs
Riverside-South Coast County, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	0.43	Acre	0.43	18,852.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.4	Precipitation Freq (Days)	28
Climate Zone	10			Operational Year	2025
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Reservoir area used as construction footprint

Construction Phase - Per Applicant

Off-road Equipment - Per Applicant, 8 hours per day.

Trips and VMT - Six (6) one-way Vendor truck trips for equipment and materials.

Architectural Coating - Per Tank Dimensions

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Nonresidential_Exterior	0.00	17,059.63
tblArchitecturalCoating	ConstArea_Nonresidential_Interior	0.00	26,051.66
tblConstructionPhase	NumDays	5.00	240.00
tblConstructionPhase	PhaseEndDate	4/5/2024	2/28/2025

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

tblLandUse	LandUseSquareFeet	18,730.80	18,852.00
tblOffRoadEquipment	LoadFactor	0.31	0.31
tblOffRoadEquipment	LoadFactor	0.29	0.29
tblOffRoadEquipment	LoadFactor	0.40	0.40
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Generator Sets
tblOffRoadEquipment	OffRoadEquipmentType		Other Material Handling Equipment
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	0.00	6.00

2.0 Emissions Summary

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2024	0.2763	1.6662	2.3327	4.2200e-003	5.9000e-003	0.0743	0.0802	1.6500e-003	0.0714	0.0731	0.0000	367.1443	367.1443	0.0658	1.4900e-003	369.2317
2025	0.0575	0.3334	0.5073	9.2000e-004	1.2900e-003	0.0140	0.0153	3.6000e-004	0.0134	0.0138	0.0000	80.0890	80.0890	0.0143	3.2000e-004	80.5398
Maximum	0.2763	1.6662	2.3327	4.2200e-003	5.9000e-003	0.0743	0.0802	1.6500e-003	0.0714	0.0731	0.0000	367.1443	367.1443	0.0658	1.4900e-003	369.2317

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					
2024	0.2763	1.6662	2.3327	4.2200e-003	5.9000e-003	0.0743	0.0802	1.6500e-003	0.0714	0.0731	0.0000	367.1439	367.1439	0.0658	1.4900e-003	369.2313
2025	0.0575	0.3334	0.5073	9.2000e-004	1.2900e-003	0.0140	0.0153	3.6000e-004	0.0134	0.0138	0.0000	80.0889	80.0889	0.0143	3.2000e-004	80.5397
Maximum	0.2763	1.6662	2.3327	4.2200e-003	5.9000e-003	0.0743	0.0802	1.6500e-003	0.0714	0.0731	0.0000	367.1439	367.1439	0.0658	1.4900e-003	369.2313

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-30-2024	6-29-2024	0.6477	0.6477
2	6-30-2024	9-29-2024	0.6477	0.6477
3	9-30-2024	12-29-2024	0.6410	0.6410
4	12-30-2024	3-29-2025	0.3972	0.3972
		Highest	0.6477	0.6477

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4800e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.4800e-003	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.4800e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Waste						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Water						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	1.4800e-003	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	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	Reservoir Coating	Architectural Coating	3/30/2024	2/28/2025	5	240	

Acres of Grading (Site Preparation Phase): 0

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

Acres of Grading (Grading Phase): 0

Acres of Paving: 0.43

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 26,052; Non-Residential Outdoor: 17,060; Striped Parking Area: 1,131 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Reservoir Coating	Air Compressors	2	8.00	78	0.48
Reservoir Coating	Aerial Lifts	2	8.00	63	0.31
Reservoir Coating	Cranes	1	8.00	231	0.29
Reservoir Coating	Generator Sets	2	8.00	84	0.74
Reservoir Coating	Other Material Handling Equipment	2	8.00	168	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
Reservoir Coating	9	2.00	6.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

3.2 Reservoir Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0842					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1909	1.6455	2.3190	4.1000e-003		0.0742	0.0742		0.0713	0.0713	0.0000	355.7594	355.7594	0.0656	0.0000	357.4004
Total	0.2751	1.6455	2.3190	4.1000e-003		0.0742	0.0742		0.0713	0.0713	0.0000	355.7594	355.7594	0.0656	0.0000	357.4004

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-004	0.0203	7.9800e-003	1.0000e-004	3.7300e-003	1.7000e-004	3.9000e-003	1.0800e-003	1.6000e-004	1.2400e-003	0.0000	9.7904	9.7904	1.0000e-004	1.4500e-003	10.2238
Worker	6.0000e-004	4.2000e-004	5.7700e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.5945	1.5945	4.0000e-005	4.0000e-005	1.6075
Total	1.2300e-003	0.0207	0.0138	1.2000e-004	5.9000e-003	1.8000e-004	6.0800e-003	1.6500e-003	1.7000e-004	1.8200e-003	0.0000	11.3849	11.3849	1.4000e-004	1.4900e-003	11.8313

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

3.2 Reservoir Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0842					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1909	1.6455	2.3190	4.1000e-003		0.0742	0.0742		0.0713	0.0713	0.0000	355.7590	355.7590	0.0656	0.0000	357.4000
Total	0.2751	1.6455	2.3190	4.1000e-003		0.0742	0.0742		0.0713	0.0713	0.0000	355.7590	355.7590	0.0656	0.0000	357.4000

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.3000e-004	0.0203	7.9800e-003	1.0000e-004	3.7300e-003	1.7000e-004	3.9000e-003	1.0800e-003	1.6000e-004	1.2400e-003	0.0000	9.7904	9.7904	1.0000e-004	1.4500e-003	10.2238
Worker	6.0000e-004	4.2000e-004	5.7700e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.7000e-004	1.0000e-005	5.8000e-004	0.0000	1.5945	1.5945	4.0000e-005	4.0000e-005	1.6075
Total	1.2300e-003	0.0207	0.0138	1.2000e-004	5.9000e-003	1.8000e-004	6.0800e-003	1.6500e-003	1.7000e-004	1.8200e-003	0.0000	11.3849	11.3849	1.4000e-004	1.4900e-003	11.8313

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

3.2 Reservoir Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0184					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.3289	0.5044	8.9000e-004		0.0140	0.0140		0.0134	0.0134	0.0000	77.6534	77.6534	0.0142	0.0000	78.0089
Total	0.0573	0.3289	0.5044	8.9000e-004		0.0140	0.0140		0.0134	0.0134	0.0000	77.6534	77.6534	0.0142	0.0000	78.0089

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.3900e-003	1.7200e-003	2.0000e-005	8.1000e-004	4.0000e-005	8.5000e-004	2.4000e-004	3.0000e-005	2.7000e-004	0.0000	2.0993	2.0993	2.0000e-005	3.1000e-004	2.1921
Worker	1.2000e-004	8.0000e-005	1.1700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3362	0.3362	1.0000e-005	1.0000e-005	0.3389
Total	2.6000e-004	4.4700e-003	2.8900e-003	2.0000e-005	1.2800e-003	4.0000e-005	1.3200e-003	3.7000e-004	3.0000e-005	4.0000e-004	0.0000	2.4356	2.4356	3.0000e-005	3.2000e-004	2.5310

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

3.2 Reservoir Coating - 2025

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0184					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0389	0.3289	0.5044	8.9000e-004		0.0140	0.0140		0.0134	0.0134	0.0000	77.6533	77.6533	0.0142	0.0000	78.0088
Total	0.0573	0.3289	0.5044	8.9000e-004		0.0140	0.0140		0.0134	0.0134	0.0000	77.6533	77.6533	0.0142	0.0000	78.0088

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.4000e-004	4.3900e-003	1.7200e-003	2.0000e-005	8.1000e-004	4.0000e-005	8.5000e-004	2.4000e-004	3.0000e-005	2.7000e-004	0.0000	2.0993	2.0993	2.0000e-005	3.1000e-004	2.1921
Worker	1.2000e-004	8.0000e-005	1.1700e-003	0.0000	4.7000e-004	0.0000	4.7000e-004	1.3000e-004	0.0000	1.3000e-004	0.0000	0.3362	0.3362	1.0000e-005	1.0000e-005	0.3389
Total	2.6000e-004	4.4700e-003	2.8900e-003	2.0000e-005	1.2800e-003	4.0000e-005	1.3200e-003	3.7000e-004	3.0000e-005	4.0000e-004	0.0000	2.4356	2.4356	3.0000e-005	3.2000e-004	2.5310

Rice Canyon Reservoir Repairs - Riverside-South Coast County, Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	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
Other Non-Asphalt Surfaces	0.540541	0.056458	0.173793	0.136090	0.025268	0.007074	0.011525	0.018705	0.000610	0.000304	0.023606	0.001094	0.004932

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5.3 Energy by Land Use - Electricity

Unmitigated

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

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

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

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	1.4800e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	2.6000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.2200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005
Total	1.4800e-003	0.0000	1.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

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

7.2 Water by Land Use

Unmitigated

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

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7.2 Water by Land Use

Mitigated

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

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

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8.2 Waste by Land Use

Unmitigated

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

Mitigated

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

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

Equipment Type	Number
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11.0 Vegetation
