

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

CCC Greenwood Residential Center

El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	54.73	1000sqft	1.26	54,732.00	0
Parking Lot	111.00	Space	1.00	44,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	328.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - The CO2 Intensity Factor is based on 5-year average (PG&E, 2015)

Land Use -

Construction Phase - Construction is expected to start 9/1/2021 and finish 4/7/2023 (20 months duration).

Off-road Equipment -

Trips and VMT - Two 15,000 gallons fire tanks and several pipes will be installed on-site = approx 8 truck trips.

Demolition - Existing 11 buildings demolition is approx. 31,614 sf.

Grading - Approx. 5,000 cy import material.

Architectural Coating - Under AQMD Rule 215, architectural coatings would utilized low VOC contents

Vehicle Trips - Trip rate is 100 ADT / 54.732 per 1,000 sf = 1.83 trip/size/day.

Area Coating - Low VOC contents for paints

Energy Use - Project will be designed as zero net energy facility

Construction Off-road Equipment Mitigation - All construction equipment with 50 hp or greater would utilize Tier 2 engines. Fugitive dust emission would be control with on-site watering at least twice a day.

Area Mitigation - Under AQMD Rule 215 Architectural Coatings would utilized low VOC contents. Low-emitting indoor materials.

Energy Mitigation - Rooftop solar electricity would be utilized in accordance with 2019 building energy efficiency standards.

Water Mitigation - High efficiency irrigation for outdoor water use reduction and low-water use fixtures fr indoor water use reduction

Waste Mitigation - Assuming California's goal of 75 percent recycling, composting, or source reduction of solid waste beyond 2020

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	20.00

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tblConstructionPhase	NumDays	220.00	285.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	11.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	7.00
tblEnergyUse	LightingElect	3.45	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.98	0.00
tblEnergyUse	T24E	3.63	0.00
tblEnergyUse	T24NG	19.54	0.00
tblGrading	MaterialImported	0.00	5,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	WD_TR	27.92	1.83

2.0 Emissions Summary

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2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.3791	38.2960	15.4858	0.0675	4.7488	1.0421	5.7360	2.1483	0.9725	3.0592	0.0000	6,888.802 5	6,888.802 5	0.7700	0.0000	6,906.484 0
2022	2.1619	16.4106	16.3540	0.0328	0.5572	0.7099	1.2671	0.1499	0.6804	0.8303	0.0000	3,083.691 7	3,083.691 7	0.4595	0.0000	3,095.179 3
2023	26.2243	15.1103	16.0476	0.0326	0.5572	0.6195	1.1767	0.1499	0.5936	0.7435	0.0000	3,060.712 4	3,060.712 4	0.5458	0.0000	3,071.927 3
Maximum	26.2243	38.2960	16.3540	0.0675	4.7488	1.0421	5.7360	2.1483	0.9725	3.0592	0.0000	6,888.802 5	6,888.802 5	0.7700	0.0000	6,906.484 0

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					
2021	1.1781	36.1875	17.8704	0.0675	2.7462	0.7193	3.3026	1.1325	0.7193	1.6859	0.0000	6,888.802 5	6,888.802 5	0.7700	0.0000	6,906.484 0
2022	1.7661	21.1707	18.0058	0.0328	0.5572	0.7105	1.2677	0.1499	0.7101	0.8600	0.0000	3,083.691 7	3,083.691 7	0.4595	0.0000	3,095.179 3
2023	26.2243	20.7234	17.7845	0.0326	0.5572	0.6824	1.2396	0.1499	0.6820	0.8319	0.0000	3,060.712 4	3,060.712 4	0.5458	0.0000	3,071.927 3
Maximum	26.2243	36.1875	18.0058	0.0675	2.7462	0.7193	3.3026	1.1325	0.7193	1.6859	0.0000	6,888.802 5	6,888.802 5	0.7700	0.0000	6,906.484 0

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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	5.19	-11.84	-12.06	0.00	34.16	10.93	28.97	41.49	6.02	27.09	0.00	0.00	0.00	0.00	0.00	0.00

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
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	0.2193	0.9964	3.2621	0.0101	0.9784	0.0102	0.9886	0.2615	9.5500e-003	0.2710		1,016.6546	1,016.6546	0.0315		1,017.4432
Total	1.5503	0.9966	3.2791	0.0101	0.9784	0.0103	0.9887	0.2615	9.6100e-003	0.2711		1,016.6909	1,016.6909	0.0316	0.0000	1,017.4818

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	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
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	0.2193	0.9964	3.2621	0.0101	0.9784	0.0102	0.9886	0.2615	9.5500e-003	0.2710		1,016.6546	1,016.6546	0.0315		1,017.4432
Total	1.4627	0.9966	3.2791	0.0101	0.9784	0.0103	0.9887	0.2615	9.6100e-003	0.2711		1,016.6909	1,016.6909	0.0316	0.0000	1,017.4818

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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	5.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/26/2021	5	40	
2	Site Preparation	Site Preparation	10/27/2021	11/4/2021	5	7	
3	Grading	Grading	11/5/2021	11/19/2021	5	11	
4	Utility and Stormwater Drainage	Trenching	11/22/2021	1/7/2022	5	35	
5	Building Construction	Building Construction	1/10/2022	2/10/2023	5	285	
6	Paving	Paving	2/13/2023	3/10/2023	5	20	
7	Architectural Coating	Architectural Coating	3/13/2023	4/7/2023	5	20	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,098; Non-Residential Outdoor: 27,366; Striped Parking Area: 2,664 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Utility and Stormwater Drainage	Cranes	1	6.00	231	0.29
Utility and Stormwater Drainage	Other Material Handling Equipment	1	8.00	168	0.40
Utility and Stormwater Drainage	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	36.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Stormwater Drainage	3	8.00	0.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.9000e-004	0.0000	7.9000e-004	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	7.9000e-004	1.0409	1.0417	1.2000e-004	0.9715	0.9716		2,322.7171	2,322.7171	0.5940		2,337.5658

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3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0974	0.0576	0.5608	1.4800e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		147.0555	147.0555	4.1800e-003		147.1601
Total	0.0974	0.0576	0.5608	1.4800e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		147.0555	147.0555	4.1800e-003		147.1601

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					3.6000e-004	0.0000	3.6000e-004	5.0000e-005	0.0000	5.0000e-005			0.0000			0.0000
Off-Road	0.8857	21.2053	15.4154	0.0241		0.7182	0.7182		0.7182	0.7182	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	0.8857	21.2053	15.4154	0.0241	3.6000e-004	0.7182	0.7185	5.0000e-005	0.7182	0.7182	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

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3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0974	0.0576	0.5608	1.4800e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		147.0555	147.0555	4.1800e-003		147.1601
Total	0.0974	0.0576	0.5608	1.4800e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		147.0555	147.0555	4.1800e-003		147.1601

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6818	0.0000	0.6818	0.0736	0.0000	0.0736			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.6818	0.7019	1.3836	0.0736	0.6457	0.7193		2,372.883 2	2,372.883 2	0.7674		2,392.069 2

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3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600
Total	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600

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					0.3068	0.0000	0.3068	0.0331	0.0000	0.0331			0.0000			0.0000
Off-Road	0.6625	20.0179	13.6431	0.0245		0.4988	0.4988		0.4988	0.4988	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	0.6625	20.0179	13.6431	0.0245	0.3068	0.4988	0.8055	0.0331	0.4988	0.5319	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2

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3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600
Total	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.6411	0.0000	3.6411	1.8470	0.0000	1.8470			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	3.6411	0.9158	4.5568	1.8470	0.8425	2.6895		1,995.6114	1,995.6114	0.6454		2,011.7470

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4771	18.0382	5.2940	0.0457	0.9799	0.0706	1.0505	0.2675	0.0675	0.3350		4,780.0715	4,780.0715	0.0586		4,781.5369
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0443	0.4314	1.1400e-003	0.1277	8.9000e-004	0.1286	0.0339	8.2000e-004	0.0347		113.1196	113.1196	3.2200e-003		113.2001
Total	0.5520	18.0825	5.7254	0.0469	1.1077	0.0714	1.1791	0.3014	0.0683	0.3697		4,893.1911	4,893.1911	0.0618		4,894.7370

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6385	0.0000	1.6385	0.8311	0.0000	0.8311			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.4850	0.4850		0.4850	0.4850	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	0.6262	18.1050	12.1450	0.0206	1.6385	0.4850	2.1235	0.8311	0.4850	1.3162	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4771	18.0382	5.2940	0.0457	0.9799	0.0706	1.0505	0.2675	0.0675	0.3350		4,780.0715	4,780.0715	0.0586		4,781.5369
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0443	0.4314	1.1400e-003	0.1277	8.9000e-004	0.1286	0.0339	8.2000e-004	0.0347		113.1196	113.1196	3.2200e-003		113.2001
Total	0.5520	18.0825	5.7254	0.0469	1.1077	0.0714	1.1791	0.3014	0.0683	0.3697		4,893.1911	4,893.1911	0.0618		4,894.7370

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9870	9.8114	7.8818	0.0135		0.5375	0.5375		0.4945	0.4945		1,305.6533	1,305.6533	0.4223		1,316.2102
Total	0.9870	9.8114	7.8818	0.0135		0.5375	0.5375		0.4945	0.4945		1,305.6533	1,305.6533	0.4223		1,316.2102

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200e-003	0.0726	0.0213	1.8000e-004	4.4500e-003	2.8000e-004	4.7300e-003	1.2000e-003	2.7000e-004	1.4700e-003		19.2295	19.2295	2.4000e-004		19.2354
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600
Total	0.0619	0.1080	0.3664	1.0900e-003	0.1066	1.0000e-003	0.1076	0.0283	9.3000e-004	0.0292		109.7253	109.7253	2.8100e-003		109.7955

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.6533	1,305.6533	0.4223		1,316.2102
Total	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.6533	1,305.6533	0.4223		1,316.2102

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.5 Utility and Stormwater Drainage - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200e-003	0.0726	0.0213	1.8000e-004	4.4500e-003	2.8000e-004	4.7300e-003	1.2000e-003	2.7000e-004	1.4700e-003		19.2295	19.2295	2.4000e-004		19.2354
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600
Total	0.0619	0.1080	0.3664	1.0900e-003	0.1066	1.0000e-003	0.1076	0.0283	9.3000e-004	0.0292		109.7253	109.7253	2.8100e-003		109.7955

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9110	8.7625	7.7825	0.0135		0.4916	0.4916		0.4522	0.4522		1,305.7489	1,305.7489	0.4223		1,316.3066
Total	0.9110	8.7625	7.7825	0.0135		0.4916	0.4916		0.4522	0.4522		1,305.7489	1,305.7489	0.4223		1,316.3066

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8300e-003	0.0671	0.0206	1.8000e-004	0.0221	2.5000e-004	0.0223	5.5300e-003	2.4000e-004	5.7700e-003		19.0303	19.0303	2.2000e-004		19.0358
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0319	0.3154	8.8000e-004	0.1022	6.9000e-004	0.1029	0.0271	6.4000e-004	0.0277		87.2802	87.2802	2.3000e-003		87.3377
Total	0.0586	0.0990	0.3360	1.0600e-003	0.1243	9.4000e-004	0.1252	0.0326	8.8000e-004	0.0335		106.3105	106.3105	2.5200e-003		106.3735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.7489	1,305.7489	0.4223		1,316.3066
Total	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.7489	1,305.7489	0.4223		1,316.3066

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.5 Utility and Stormwater Drainage - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8300e-003	0.0671	0.0206	1.8000e-004	0.0221	2.5000e-004	0.0223	5.5300e-003	2.4000e-004	5.7700e-003		19.0303	19.0303	2.2000e-004		19.0358
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0319	0.3154	8.8000e-004	0.1022	6.9000e-004	0.1029	0.0271	6.4000e-004	0.0277		87.2802	87.2802	2.3000e-003		87.3377
Total	0.0586	0.0990	0.3360	1.0600e-003	0.1243	9.4000e-004	0.1252	0.0326	8.8000e-004	0.0335		106.3105	106.3105	2.5200e-003		106.3735

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

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3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0510	1.6630	0.5814	3.8500e-003	0.0974	4.6300e-003	0.1020	0.0280	4.4200e-003	0.0324		401.6496	401.6496	7.4800e-003		401.8365
Worker	0.2554	0.1436	1.4193	3.9400e-003	0.4598	3.1100e-003	0.4629	0.1219	2.8700e-003	0.1248		392.7608	392.7608	0.0104		393.0197
Total	0.3064	1.8066	2.0007	7.7900e-003	0.5572	7.7400e-003	0.5649	0.1499	7.2900e-003	0.1572		794.4104	794.4104	0.0178		794.8563

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4597	19.3641	16.0050	0.0250		0.7028	0.7028		0.7028	0.7028	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.4597	19.3641	16.0050	0.0250		0.7028	0.7028		0.7028	0.7028	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

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3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0510	1.6630	0.5814	3.8500e-003	0.0974	4.6300e-003	0.1020	0.0280	4.4200e-003	0.0324		401.6496	401.6496	7.4800e-003		401.8365
Worker	0.2554	0.1436	1.4193	3.9400e-003	0.4598	3.1100e-003	0.4629	0.1219	2.8700e-003	0.1248		392.7608	392.7608	0.0104		393.0197
Total	0.3064	1.8066	2.0007	7.7900e-003	0.5572	7.7400e-003	0.5649	0.1499	7.2900e-003	0.1572		794.4104	794.4104	0.0178		794.8563

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479

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3.6 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0416	1.3570	0.5375	3.7600e-003	0.0974	2.8600e-003	0.1002	0.0280	2.7400e-003	0.0307		393.0000	393.0000	6.3800e-003		393.1597
Worker	0.2415	0.1293	1.2956	3.8000e-003	0.4598	3.0200e-003	0.4628	0.1219	2.7800e-003	0.1247		378.1890	378.1890	9.2300e-003		378.4198
Total	0.2831	1.4864	1.8331	7.5600e-003	0.5572	5.8800e-003	0.5631	0.1499	5.5200e-003	0.1555		771.1891	771.1891	0.0156		771.5795

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3929	19.2370	15.9514	0.0250		0.6765	0.6765		0.6765	0.6765	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	1.3929	19.2370	15.9514	0.0250		0.6765	0.6765		0.6765	0.6765	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479

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3.6 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0416	1.3570	0.5375	3.7600e-003	0.0974	2.8600e-003	0.1002	0.0280	2.7400e-003	0.0307		393.0000	393.0000	6.3800e-003		393.1597
Worker	0.2415	0.1293	1.2956	3.8000e-003	0.4598	3.0200e-003	0.4628	0.1219	2.7800e-003	0.1247		378.1890	378.1890	9.2300e-003		378.4198
Total	0.2831	1.4864	1.8331	7.5600e-003	0.5572	5.8800e-003	0.5631	0.1499	5.5200e-003	0.1555		771.1891	771.1891	0.0156		771.5795

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0112	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414

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3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1006	0.0539	0.5398	1.5800e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		157.5788	157.5788	3.8500e-003		157.6749
Total	0.1006	0.0539	0.5398	1.5800e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		157.5788	157.5788	3.8500e-003		157.6749

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7344	15.6108	12.9737	0.0179		0.5580	0.5580		0.5580	0.5580	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8654	15.6108	12.9737	0.0179		0.5580	0.5580		0.5580	0.5580	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1006	0.0539	0.5398	1.5800e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		157.5788	157.5788	3.8500e-003		157.6749
Total	0.1006	0.0539	0.5398	1.5800e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		157.5788	157.5788	3.8500e-003		157.6749

3.8 Architectural Coating - 2023**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	25.9857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	26.1773	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.8 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0252	0.2519	7.4000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		73.5368	73.5368	1.7900e-003		73.5816
Total	0.0470	0.0252	0.2519	7.4000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		73.5368	73.5368	1.7900e-003		73.5816

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	25.9857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	26.1773	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.8 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0252	0.2519	7.4000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		73.5368	73.5368	1.7900e-003		73.5816
Total	0.0470	0.0252	0.2519	7.4000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		73.5368	73.5368	1.7900e-003		73.5816

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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2193	0.9964	3.2621	0.0101	0.9784	0.0102	0.9886	0.2615	9.5500e-003	0.2710		1,016.6546	1,016.6546	0.0315		1,017.4432
Unmitigated	0.2193	0.9964	3.2621	0.0101	0.9784	0.0102	0.9886	0.2615	9.5500e-003	0.2710		1,016.6546	1,016.6546	0.0315		1,017.4432

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	100.16	0.00	0.00	330,076	330,076
Parking Lot	0.00	0.00	0.00		
Total	100.16	0.00	0.00	330,076	330,076

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
Government (Civic Center)	14.70	6.60	6.60	75.00	20.00	5.00	100	0	0
Parking Lot	14.70	6.60	6.60	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
Government (Civic Center)	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479
Parking Lot	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	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					
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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**

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Unmitigated	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5800e-003	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Total	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5800e-003	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Total	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

7.0 Water Detail

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7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet
Install Low Flow Kitchen Faucet
Install Low Flow Toilet
Install Low Flow Shower
Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

9.0 Operational Offroad

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

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

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

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

Equipment Type	Number
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11.0 Vegetation

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	54.73	1000sqft	1.26	54,732.00	0
Parking Lot	111.00	Space	1.00	44,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	328.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - The CO2 Intensity Factor is based on 5-year average (PG&E, 2015)

Land Use -

Construction Phase - Construction is expected to start 9/1/2021 and finish 4/7/2023 (20 months duration).

Off-road Equipment -

Trips and VMT - Two 15,000 gallons fire tanks and several pipes will be installed on-site = approx 8 truck trips.

Demolition - Existing 11 buildings demolition is approx. 31,614 sf.

Grading - Approx. 5,000 cy import material.

Architectural Coating - Under AQMD Rule 215, architectural coatings would utilized low VOC contents

Vehicle Trips - Trip rate is 100 ADT / 54.732 per 1,000 sf = 1.83 trip/size/day.

Area Coating - Low VOC contents for paints

Energy Use - Project will be designed as zero net energy facility

Construction Off-road Equipment Mitigation - All construction equipment with 50 hp or greater would utilize Tier 2 engines. Fugitive dust emission would be control with on-site watering at least twice a day.

Area Mitigation - Under AQMD Rule 215 Architectural Coatings would utilized low VOC contents. Low-emitting indoor materials.

Energy Mitigation - Rooftop solar electricity would be utilized in accordance with 2019 building energy efficiency standards.

Water Mitigation - High efficiency irrigation for outdoor water use reduction and low-water use fixtures fr indoor water use reduction

Waste Mitigation - Assuming California's goal of 75 percent recycling, composting, or source reduction of solid waste beyond 2020

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	20.00

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tblConstructionPhase	NumDays	220.00	285.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	11.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	7.00
tblEnergyUse	LightingElect	3.45	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.98	0.00
tblEnergyUse	T24E	3.63	0.00
tblEnergyUse	T24NG	19.54	0.00
tblGrading	MaterialImported	0.00	5,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	WD_TR	27.92	1.83

2.0 Emissions Summary

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2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0758	0.8182	0.5481	1.1900e-003	0.0334	0.0368	0.0702	0.0134	0.0342	0.0475	0.0000	106.5236	106.5236	0.0226	0.0000	107.0887
2022	0.2741	2.1135	2.1017	4.2400e-003	0.0685	0.0917	0.1602	0.0185	0.0879	0.1064	0.0000	361.3946	361.3946	0.0541	0.0000	362.7470
2023	0.3027	0.3264	0.3833	7.2000e-004	0.0107	0.0144	0.0251	2.8800e-003	0.0136	0.0165	0.0000	62.0290	62.0290	0.0112	0.0000	62.3096
Maximum	0.3027	2.1135	2.1017	4.2400e-003	0.0685	0.0917	0.1602	0.0185	0.0879	0.1064	0.0000	361.3946	361.3946	0.0541	0.0000	362.7470

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					
2021	0.0365	0.8739	0.6101	1.1900e-003	0.0210	0.0246	0.0457	7.6400e-003	0.0246	0.0323	0.0000	106.5235	106.5235	0.0226	0.0000	107.0886
2022	0.2225	2.7282	2.3159	4.2400e-003	0.0685	0.0915	0.1600	0.0185	0.0914	0.1099	0.0000	361.3943	361.3943	0.0541	0.0000	362.7467
2023	0.2964	0.4806	0.4222	7.2000e-004	0.0107	0.0165	0.0273	2.8800e-003	0.0165	0.0194	0.0000	62.0289	62.0289	0.0112	0.0000	62.3095
Maximum	0.2964	2.7282	2.3159	4.2400e-003	0.0685	0.0915	0.1600	0.0185	0.0914	0.1099	0.0000	361.3943	361.3943	0.0541	0.0000	362.7467

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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	14.88	-25.31	-10.39	0.00	10.96	7.17	8.84	16.49	2.27	5.16	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	9-1-2021	11-30-2021	0.7539	0.7520
2	12-1-2021	2-28-2022	0.4777	0.5798
3	3-1-2022	5-31-2022	0.6086	0.7520
4	6-1-2022	8-31-2022	0.6078	0.7511
5	9-1-2022	11-30-2022	0.6028	0.7446
6	12-1-2022	2-28-2023	0.5120	0.6770
7	3-1-2023	5-31-2023	0.2907	0.3152
		Highest	0.7539	0.7520

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2428	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0290	0.1259	0.4186	1.3400e-003	0.1220	1.3200e-003	0.1233	0.0327	1.2400e-003	0.0339	0.0000	121.8684	121.8684	3.7100e-003	0.0000	121.9611
Waste						0.0000	0.0000		0.0000	0.0000	63.3251	0.0000	63.3251	3.7424	0.0000	156.8852
Water						0.0000	0.0000		0.0000	0.0000	3.4494	12.2528	15.7022	0.3554	8.5900e-003	27.1458
Total	0.2718	0.1259	0.4202	1.3400e-003	0.1220	1.3300e-003	0.1233	0.0327	1.2500e-003	0.0340	66.7745	134.1241	200.8985	4.1015	8.5900e-003	305.9953

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2268	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0290	0.1259	0.4186	1.3400e-003	0.1220	1.3200e-003	0.1233	0.0327	1.2400e-003	0.0339	0.0000	121.8684	121.8684	3.7100e-003	0.0000	121.9611
Waste						0.0000	0.0000		0.0000	0.0000	15.8313	0.0000	15.8313	0.9356	0.0000	39.2213
Water						0.0000	0.0000		0.0000	0.0000	2.7595	10.2857	13.0452	0.2843	6.8800e-003	22.2039
Total	0.2558	0.1259	0.4202	1.3400e-003	0.1220	1.3300e-003	0.1233	0.0327	1.2500e-003	0.0340	18.5908	132.1570	150.7478	1.2237	6.8800e-003	183.3895

	ROG	NOx	CO	SO2	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	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.16	1.47	24.96	70.17	19.91	40.07

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/26/2021	5	40	
2	Site Preparation	Site Preparation	10/27/2021	11/4/2021	5	7	
3	Grading	Grading	11/5/2021	11/19/2021	5	11	
4	Utility and Stormwater Drainage	Trenching	11/22/2021	1/7/2022	5	35	
5	Building Construction	Building Construction	1/10/2022	2/10/2023	5	285	
6	Paving	Paving	2/13/2023	3/10/2023	5	20	
7	Architectural Coating	Architectural Coating	3/13/2023	4/7/2023	5	20	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,098; Non-Residential Outdoor: 27,366; Striped Parking Area: 2,664 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Utility and Stormwater Drainage	Cranes	1	6.00	231	0.29
Utility and Stormwater Drainage	Other Material Handling Equipment	1	8.00	168	0.40
Utility and Stormwater Drainage	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	36.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Stormwater Drainage	3	8.00	0.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.3939	0.2899	4.8000e-004		0.0208	0.0208		0.0194	0.0194	0.0000	42.1427	42.1427	0.0108	0.0000	42.4121
Total	0.0399	0.3939	0.2899	4.8000e-004	2.0000e-005	0.0208	0.0208	0.0000	0.0194	0.0194	0.0000	42.1427	42.1427	0.0108	0.0000	42.4121

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3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7200e-003	1.0600e-003	0.0112	3.0000e-005	3.1800e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7253	2.7253	8.0000e-005	0.0000	2.7272
Total	1.7200e-003	1.0600e-003	0.0112	3.0000e-005	3.1800e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7253	2.7253	8.0000e-005	0.0000	2.7272

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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0177	0.4241	0.3083	4.8000e-004		0.0144	0.0144		0.0144	0.0144	0.0000	42.1426	42.1426	0.0108	0.0000	42.4120
Total	0.0177	0.4241	0.3083	4.8000e-004	1.0000e-005	0.0144	0.0144	0.0000	0.0144	0.0144	0.0000	42.1426	42.1426	0.0108	0.0000	42.4120

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3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7200e-003	1.0600e-003	0.0112	3.0000e-005	3.1800e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7253	2.7253	8.0000e-005	0.0000	2.7272
Total	1.7200e-003	1.0600e-003	0.0112	3.0000e-005	3.1800e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7253	2.7253	8.0000e-005	0.0000	2.7272

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-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	5.4100e-003	0.0640	0.0376	9.0000e-005		2.4600e-003	2.4600e-003		2.2600e-003	2.2600e-003	0.0000	7.5343	7.5343	2.4400e-003	0.0000	7.5952
Total	5.4100e-003	0.0640	0.0376	9.0000e-005	2.3900e-003	2.4600e-003	4.8500e-003	2.6000e-004	2.2600e-003	2.5200e-003	0.0000	7.5343	7.5343	2.4400e-003	0.0000	7.5952

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3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.1000e-004	1.2100e-003	0.0000	3.4000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2935	0.2935	1.0000e-005	0.0000	0.2937
Total	1.9000e-004	1.1000e-004	1.2100e-003	0.0000	3.4000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2935	0.2935	1.0000e-005	0.0000	0.2937

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					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3200e-003	0.0701	0.0478	9.0000e-005		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	7.5342	7.5342	2.4400e-003	0.0000	7.5952
Total	2.3200e-003	0.0701	0.0478	9.0000e-005	1.0700e-003	1.7500e-003	2.8200e-003	1.2000e-004	1.7500e-003	1.8700e-003	0.0000	7.5342	7.5342	2.4400e-003	0.0000	7.5952

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3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.1000e-004	1.2100e-003	0.0000	3.4000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2935	0.2935	1.0000e-005	0.0000	0.2937
Total	1.9000e-004	1.1000e-004	1.2100e-003	0.0000	3.4000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2935	0.2935	1.0000e-005	0.0000	0.2937

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0200	0.0000	0.0200	0.0102	0.0000	0.0102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.1112	0.0537	1.1000e-004		5.0400e-003	5.0400e-003		4.6300e-003	4.6300e-003	0.0000	9.9571	9.9571	3.2200e-003	0.0000	10.0376
Total	0.0101	0.1112	0.0537	1.1000e-004	0.0200	5.0400e-003	0.0251	0.0102	4.6300e-003	0.0148	0.0000	9.9571	9.9571	3.2200e-003	0.0000	10.0376

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5900e-003	0.0989	0.0285	2.5000e-004	5.1900e-003	3.8000e-004	5.5800e-003	1.4200e-003	3.7000e-004	1.7900e-003	0.0000	24.0060	24.0060	2.8000e-004	0.0000	24.0131
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.3000e-004	2.3700e-003	1.0000e-005	6.7000e-004	0.0000	6.8000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5765	0.5765	2.0000e-005	0.0000	0.5769
Total	2.9500e-003	0.0992	0.0308	2.6000e-004	5.8600e-003	3.8000e-004	6.2600e-003	1.6000e-003	3.7000e-004	1.9700e-003	0.0000	24.5825	24.5825	3.0000e-004	0.0000	24.5901

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					9.0100e-003	0.0000	9.0100e-003	4.5700e-003	0.0000	4.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4400e-003	0.0996	0.0668	1.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	9.9571	9.9571	3.2200e-003	0.0000	10.0376
Total	3.4400e-003	0.0996	0.0668	1.1000e-004	9.0100e-003	2.6700e-003	0.0117	4.5700e-003	2.6700e-003	7.2400e-003	0.0000	9.9571	9.9571	3.2200e-003	0.0000	10.0376

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3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5900e-003	0.0989	0.0285	2.5000e-004	5.1900e-003	3.8000e-004	5.5800e-003	1.4200e-003	3.7000e-004	1.7900e-003	0.0000	24.0060	24.0060	2.8000e-004	0.0000	24.0131
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.3000e-004	2.3700e-003	1.0000e-005	6.7000e-004	0.0000	6.8000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5765	0.5765	2.0000e-005	0.0000	0.5769
Total	2.9500e-003	0.0992	0.0308	2.6000e-004	5.8600e-003	3.8000e-004	6.2600e-003	1.6000e-003	3.7000e-004	1.9700e-003	0.0000	24.5825	24.5825	3.0000e-004	0.0000	24.5901

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0148	0.1472	0.1182	2.0000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	17.7670	17.7670	5.7500e-003	0.0000	17.9107
Total	0.0148	0.1472	0.1182	2.0000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	17.7670	17.7670	5.7500e-003	0.0000	17.9107

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3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0900e-003	3.1000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2634	0.2634	0.0000	0.0000	0.2635
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.9000e-004	5.1800e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2578	1.2578	4.0000e-005	0.0000	1.2587
Total	8.3000e-004	1.5800e-003	5.4900e-003	1.0000e-005	1.5300e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.5212	1.5212	4.0000e-005	0.0000	1.5222

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3500e-003	0.1783	0.1385	2.0000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	17.7670	17.7670	5.7500e-003	0.0000	17.9107
Total	7.3500e-003	0.1783	0.1385	2.0000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	17.7670	17.7670	5.7500e-003	0.0000	17.9107

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3.5 Utility and Stormwater Drainage - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0900e-003	3.1000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2634	0.2634	0.0000	0.0000	0.2635
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.9000e-004	5.1800e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2578	1.2578	4.0000e-005	0.0000	1.2587
Total	8.3000e-004	1.5800e-003	5.4900e-003	1.0000e-005	1.5300e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.5212	1.5212	4.0000e-005	0.0000	1.5222

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2800e-003	0.0219	0.0195	3.0000e-005		1.2300e-003	1.2300e-003		1.1300e-003	1.1300e-003	0.0000	2.9614	2.9614	9.6000e-004	0.0000	2.9853
Total	2.2800e-003	0.0219	0.0195	3.0000e-005		1.2300e-003	1.2300e-003		1.1300e-003	1.1300e-003	0.0000	2.9614	2.9614	9.6000e-004	0.0000	2.9853

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3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0434	0.0434	0.0000	0.0000	0.0435
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	7.0000e-005	7.9000e-004	0.0000	2.4000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2022	0.2022	1.0000e-005	0.0000	0.2023
Total	1.3000e-004	2.4000e-004	8.4000e-004	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2456	0.2456	1.0000e-005	0.0000	0.2458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.2200e-003	0.0297	0.0231	3.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	2.9614	2.9614	9.6000e-004	0.0000	2.9853
Total	1.2200e-003	0.0297	0.0231	3.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	2.9614	2.9614	9.6000e-004	0.0000	2.9853

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3.5 Utility and Stormwater Drainage - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0434	0.0434	0.0000	0.0000	0.0435
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	7.0000e-005	7.9000e-004	0.0000	2.4000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2022	0.2022	1.0000e-005	0.0000	0.2023
Total	1.3000e-004	2.4000e-004	8.4000e-004	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2456	0.2456	1.0000e-005	0.0000	0.2458

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2366	1.8620	1.8300	3.1900e-003		0.0895	0.0895		0.0858	0.0858	0.0000	264.7921	264.7921	0.0511	0.0000	266.0693
Total	0.2366	1.8620	1.8300	3.1900e-003		0.0895	0.0895		0.0858	0.0858	0.0000	264.7921	264.7921	0.0511	0.0000	266.0693

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3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	6.2900e-003	0.2124	0.0699	5.0000e-004	0.0120	5.8000e-004	0.0126	3.4600e-003	5.5000e-004	4.0200e-003	0.0000	46.9932	46.9932	8.3000e-004	0.0000	47.0139
Worker	0.0288	0.0169	0.1814	5.1000e-004	0.0562	4.0000e-004	0.0566	0.0150	3.7000e-004	0.0153	0.0000	46.4022	46.4022	1.2200e-003	0.0000	46.4327
Total	0.0351	0.2294	0.2513	1.0100e-003	0.0682	9.8000e-004	0.0691	0.0184	9.2000e-004	0.0193	0.0000	93.3954	93.3954	2.0500e-003	0.0000	93.4466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1861	2.4689	2.0406	3.1900e-003		0.0896	0.0896		0.0896	0.0896	0.0000	264.7918	264.7918	0.0511	0.0000	266.0690
Total	0.1861	2.4689	2.0406	3.1900e-003		0.0896	0.0896		0.0896	0.0896	0.0000	264.7918	264.7918	0.0511	0.0000	266.0690

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3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2900e-003	0.2124	0.0699	5.0000e-004	0.0120	5.8000e-004	0.0126	3.4600e-003	5.5000e-004	4.0200e-003	0.0000	46.9932	46.9932	8.3000e-004	0.0000	47.0139
Worker	0.0288	0.0169	0.1814	5.1000e-004	0.0562	4.0000e-004	0.0566	0.0150	3.7000e-004	0.0153	0.0000	46.4022	46.4022	1.2200e-003	0.0000	46.4327
Total	0.0351	0.2294	0.2513	1.0100e-003	0.0682	9.8000e-004	0.0691	0.0184	9.2000e-004	0.0193	0.0000	93.3954	93.3954	2.0500e-003	0.0000	93.4466

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0257	0.2044	0.2132	3.8000e-004		9.2000e-003	9.2000e-003		8.8200e-003	8.8200e-003	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026
Total	0.0257	0.2044	0.2132	3.8000e-004		9.2000e-003	9.2000e-003		8.8200e-003	8.8200e-003	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026

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3.6 Building Construction - 2023**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-004	0.0204	7.6300e-003	6.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	4.1000e-004	4.0000e-005	4.5000e-004	0.0000	5.4095	5.4095	8.0000e-005	0.0000	5.4116
Worker	3.2000e-003	1.7900e-003	0.0195	6.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	4.0000e-005	1.8000e-003	0.0000	5.2566	5.2566	1.3000e-004	0.0000	5.2598
Total	3.8000e-003	0.0222	0.0272	1.2000e-004	8.0200e-003	9.0000e-005	8.1100e-003	2.1700e-003	8.0000e-005	2.2500e-003	0.0000	10.6661	10.6661	2.1000e-004	0.0000	10.6713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0209	0.2886	0.2393	3.8000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026
Total	0.0209	0.2886	0.2393	3.8000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026

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3.6 Building Construction - 2023**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-004	0.0204	7.6300e-003	6.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	4.1000e-004	4.0000e-005	4.5000e-004	0.0000	5.4095	5.4095	8.0000e-005	0.0000	5.4116
Worker	3.2000e-003	1.7900e-003	0.0195	6.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	4.0000e-005	1.8000e-003	0.0000	5.2566	5.2566	1.3000e-004	0.0000	5.2598
Total	3.8000e-003	0.0222	0.0272	1.2000e-004	8.0200e-003	9.0000e-005	8.1100e-003	2.1700e-003	8.0000e-005	2.2500e-003	0.0000	10.6661	10.6661	2.1000e-004	0.0000	10.6713

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0101	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357

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3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.0000e-004	5.4200e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4602	1.4602	4.0000e-005	0.0000	1.4610
Total	8.9000e-004	5.0000e-004	5.4200e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4602	1.4602	4.0000e-005	0.0000	1.4610

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3400e-003	0.1561	0.1297	1.8000e-004		5.5800e-003	5.5800e-003		5.5800e-003	5.5800e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.6500e-003	0.1561	0.1297	1.8000e-004		5.5800e-003	5.5800e-003		5.5800e-003	5.5800e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357

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3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.0000e-004	5.4200e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4602	1.4602	4.0000e-005	0.0000	1.4610
Total	8.9000e-004	5.0000e-004	5.4200e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4602	1.4602	4.0000e-005	0.0000	1.4610

3.8 Architectural Coating - 2023**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	0.2599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.2618	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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3.8 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.3000e-004	2.5300e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6814	0.6814	2.0000e-005	0.0000	0.6818
Total	4.1000e-004	2.3000e-004	2.5300e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6814	0.6814	2.0000e-005	0.0000	0.6818

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	0.2599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.2618	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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3.8 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.3000e-004	2.5300e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6814	0.6814	2.0000e-005	0.0000	0.6818
Total	4.1000e-004	2.3000e-004	2.5300e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6814	0.6814	2.0000e-005	0.0000	0.6818

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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0290	0.1259	0.4186	1.3400e-003	0.1220	1.3200e-003	0.1233	0.0327	1.2400e-003	0.0339	0.0000	121.8684	121.8684	3.7100e-003	0.0000	121.9611
Unmitigated	0.0290	0.1259	0.4186	1.3400e-003	0.1220	1.3200e-003	0.1233	0.0327	1.2400e-003	0.0339	0.0000	121.8684	121.8684	3.7100e-003	0.0000	121.9611

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	100.16	0.00	0.00	330,076	330,076
Parking Lot	0.00	0.00	0.00		
Total	100.16	0.00	0.00	330,076	330,076

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
Government (Civic Center)	14.70	6.60	6.60	75.00	20.00	5.00	100	0	0
Parking Lot	14.70	6.60	6.60	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
Government (Civic Center)	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479
Parking Lot	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

[illegible]

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5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

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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			
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	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			
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	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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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2268	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Unmitigated	0.2428	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0260					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2166					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Total	0.2428	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0260					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2006					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Total	0.2268	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003

7.0 Water Detail

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7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.0452	0.2843	6.8800e-003	22.2039
Unmitigated	15.7022	0.3554	8.5900e-003	27.1458

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7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	10.8726 / 6.66388	15.7022	0.3554	8.5900e-003	27.1458
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		15.7022	0.3554	8.5900e-003	27.1458

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	8.69812 / 6.25738	13.0452	0.2843	6.8800e-003	22.2039
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.0452	0.2843	6.8800e-003	22.2039

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.8313	0.9356	0.0000	39.2213
Unmitigated	63.3251	3.7424	0.0000	156.8852

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	311.96	63.3251	3.7424	0.0000	156.8852
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		63.3251	3.7424	0.0000	156.8852

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8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	77.99	15.8313	0.9356	0.0000	39.2213
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		15.8313	0.9356	0.0000	39.2213

9.0 Operational Offroad

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

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

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

Boilers

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

Equipment Type	Number
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11.0 Vegetation

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CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

CCC Greenwood Residential Center
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	54.73	1000sqft	1.26	54,732.00	0
Parking Lot	111.00	Space	1.00	44,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	328.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

Project Characteristics - The CO2 Intensity Factor is based on 5-year average (PG&E, 2015)

Land Use -

Construction Phase - Construction is expected to start 9/1/2021 and finish 4/7/2023 (20 months duration).

Off-road Equipment -

Trips and VMT - Two 15,000 gallons fire tanks and several pipes will be installed on-site = approx 8 truck trips.

Demolition - Existing 11 buildings demolition is approx. 31,614 sf.

Grading - Approx. 5,000 cy import material.

Architectural Coating - Under AQMD Rule 215, architectural coatings would utilized low VOC contents

Vehicle Trips - Trip rate is 100 ADT / 54.732 per 1,000 sf = 1.83 trip/size/day.

Area Coating - Low VOC contents for paints

Energy Use - Project will be designed as zero net energy facility

Construction Off-road Equipment Mitigation - All construction equipment with 50 hp or greater would utilize Tier 2 engines. Fugitive dust emission would be control with on-site watering at least twice a day.

Area Mitigation - Under AQMD Rule 215 Architectural Coatings would utilized low VOC contents. Low-emitting indoor materials.

Energy Mitigation - Rooftop solar electricity would be utilized in accordance with 2019 building energy efficiency standards.

Water Mitigation - High efficiency irrigation for outdoor water use reduction and low-water use fixtures fr indoor water use reduction

Waste Mitigation - Assuming California's goal of 75 percent recycling, composting, or source reduction of solid waste beyond 2020

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	20.00

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tblConstructionPhase	NumDays	220.00	285.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	11.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	7.00
tblEnergyUse	LightingElect	3.45	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.98	0.00
tblEnergyUse	T24E	3.63	0.00
tblEnergyUse	T24NG	19.54	0.00
tblGrading	MaterialImported	0.00	5,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	WD_TR	27.92	1.83

2.0 Emissions Summary

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.3630	37.6997	15.3115	0.0681	4.7488	1.0421	5.7347	2.1483	0.9725	3.0580	0.0000	6,954.769 5	6,954.769 5	0.7703	0.0000	6,972.386 3
2022	2.1415	16.3552	16.4560	0.0333	0.5572	0.7098	1.2670	0.1499	0.6802	0.8302	0.0000	3,133.831 7	3,133.831 7	0.4600	0.0000	3,145.331 0
2023	26.2210	15.0664	16.1513	0.0331	0.5572	0.6194	1.1766	0.1499	0.5934	0.7434	0.0000	3,109.113 2	3,109.113 2	0.5462	0.0000	3,120.340 1
Maximum	26.2210	37.6997	16.4560	0.0681	4.7488	1.0421	5.7347	2.1483	0.9725	3.0580	0.0000	6,954.769 5	6,954.769 5	0.7703	0.0000	6,972.386 3

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					
2021	1.1621	35.5912	17.6961	0.0681	2.7462	0.7193	3.3014	1.1325	0.7193	1.6847	0.0000	6,954.769 5	6,954.769 5	0.7703	0.0000	6,972.386 3
2022	1.7457	21.1153	18.1078	0.0333	0.5572	0.7103	1.2675	0.1499	0.7099	0.8598	0.0000	3,133.831 7	3,133.831 7	0.4600	0.0000	3,145.331 0
2023	26.2210	20.6795	17.8882	0.0331	0.5572	0.6822	1.2394	0.1499	0.6819	0.8318	0.0000	3,109.113 2	3,109.113 2	0.5462	0.0000	3,120.340 1
Maximum	26.2210	35.5912	18.1078	0.0681	2.7462	0.7193	3.3014	1.1325	0.7193	1.6847	0.0000	6,954.769 5	6,954.769 5	0.7703	0.0000	6,972.386 3

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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	5.20	-11.96	-12.05	0.00	34.16	10.93	28.98	41.49	6.02	27.10	0.00	0.00	0.00	0.00	0.00	0.00

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
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	0.2607	0.9076	3.4812	0.0110	0.9784	0.0102	0.9886	0.2615	9.5300e-003	0.2710		1,104.5478	1,104.5478	0.0327		1,105.3661
Total	1.5917	0.9078	3.4982	0.0110	0.9784	0.0102	0.9887	0.2615	9.5900e-003	0.2710		1,104.5841	1,104.5841	0.0328	0.0000	1,105.4048

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	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
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	0.2607	0.9076	3.4812	0.0110	0.9784	0.0102	0.9886	0.2615	9.5300e-003	0.2710		1,104.5478	1,104.5478	0.0327		1,105.3661
Total	1.5041	0.9078	3.4982	0.0110	0.9784	0.0102	0.9887	0.2615	9.5900e-003	0.2710		1,104.5841	1,104.5841	0.0328	0.0000	1,105.4048

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/26/2021	5	40	
2	Site Preparation	Site Preparation	10/27/2021	11/4/2021	5	7	
3	Grading	Grading	11/5/2021	11/19/2021	5	11	
4	Utility and Stormwater Drainage	Trenching	11/22/2021	1/7/2022	5	35	
5	Building Construction	Building Construction	1/10/2022	2/10/2023	5	285	
6	Paving	Paving	2/13/2023	3/10/2023	5	20	
7	Architectural Coating	Architectural Coating	3/13/2023	4/7/2023	5	20	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,098; Non-Residential Outdoor: 27,366; Striped Parking Area: 2,664 (Architectural Coating – sqft)

OffRoad Equipment

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Utility and Stormwater Drainage	Cranes	1	6.00	231	0.29
Utility and Stormwater Drainage	Other Material Handling Equipment	1	8.00	168	0.40
Utility and Stormwater Drainage	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	36.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Stormwater Drainage	3	8.00	0.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.9000e-004	0.0000	7.9000e-004	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	7.9000e-004	1.0409	1.0417	1.2000e-004	0.9715	0.9716		2,322.7171	2,322.7171	0.5940		2,337.5658

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0909	0.0466	0.6253	1.6400e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		162.8358	162.8358	4.6100e-003		162.9511
Total	0.0909	0.0466	0.6253	1.6400e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		162.8358	162.8358	4.6100e-003		162.9511

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					3.6000e-004	0.0000	3.6000e-004	5.0000e-005	0.0000	5.0000e-005			0.0000			0.0000
Off-Road	0.8857	21.2053	15.4154	0.0241		0.7182	0.7182		0.7182	0.7182	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	0.8857	21.2053	15.4154	0.0241	3.6000e-004	0.7182	0.7185	5.0000e-005	0.7182	0.7182	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0909	0.0466	0.6253	1.6400e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		162.8358	162.8358	4.6100e-003		162.9511
Total	0.0909	0.0466	0.6253	1.6400e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		162.8358	162.8358	4.6100e-003		162.9511

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6818	0.0000	0.6818	0.0736	0.0000	0.0736			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.6818	0.7019	1.3836	0.0736	0.6457	0.7193		2,372.883 2	2,372.883 2	0.7674		2,392.069 2

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776
Total	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776

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					0.3068	0.0000	0.3068	0.0331	0.0000	0.0331			0.0000			0.0000
Off-Road	0.6625	20.0179	13.6431	0.0245		0.4988	0.4988		0.4988	0.4988	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	0.6625	20.0179	13.6431	0.0245	0.3068	0.4988	0.8055	0.0331	0.4988	0.5319	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776
Total	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.6411	0.0000	3.6411	1.8470	0.0000	1.8470			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	3.6411	0.9158	4.5568	1.8470	0.8425	2.6895		1,995.6114	1,995.6114	0.6454		2,011.7470

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4660	17.4504	5.0701	0.0462	0.9799	0.0693	1.0493	0.2675	0.0663	0.3338		4,833.8998	4,833.8998	0.0557		4,835.2924
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0358	0.4810	1.2600e-003	0.1277	8.9000e-004	0.1286	0.0339	8.2000e-004	0.0347		125.2583	125.2583	3.5500e-003		125.3470
Total	0.5359	17.4862	5.5511	0.0475	1.1077	0.0702	1.1779	0.3014	0.0671	0.3685		4,959.1581	4,959.1581	0.0593		4,960.6394

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6385	0.0000	1.6385	0.8311	0.0000	0.8311			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.4850	0.4850		0.4850	0.4850	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	0.6262	18.1050	12.1450	0.0206	1.6385	0.4850	2.1235	0.8311	0.4850	1.3162	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4660	17.4504	5.0701	0.0462	0.9799	0.0693	1.0493	0.2675	0.0663	0.3338		4,833.8998	4,833.8998	0.0557		4,835.2924
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0358	0.4810	1.2600e-003	0.1277	8.9000e-004	0.1286	0.0339	8.2000e-004	0.0347		125.2583	125.2583	3.5500e-003		125.3470
Total	0.5359	17.4862	5.5511	0.0475	1.1077	0.0702	1.1779	0.3014	0.0671	0.3685		4,959.1581	4,959.1581	0.0593		4,960.6394

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9870	9.8114	7.8818	0.0135		0.5375	0.5375		0.4945	0.4945		1,305.6533	1,305.6533	0.4223		1,316.2102
Total	0.9870	9.8114	7.8818	0.0135		0.5375	0.5375		0.4945	0.4945		1,305.6533	1,305.6533	0.4223		1,316.2102

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8700e-003	0.0702	0.0204	1.9000e-004	4.4500e-003	2.8000e-004	4.7200e-003	1.2000e-003	2.7000e-004	1.4700e-003		19.4461	19.4461	2.2000e-004		19.4517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776
Total	0.0578	0.0989	0.4052	1.2000e-003	0.1066	1.0000e-003	0.1076	0.0283	9.3000e-004	0.0292		119.6527	119.6527	3.0600e-003		119.7293

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.6533	1,305.6533	0.4223		1,316.2102
Total	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.6533	1,305.6533	0.4223		1,316.2102

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.5 Utility and Stormwater Drainage - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8700e-003	0.0702	0.0204	1.9000e-004	4.4500e-003	2.8000e-004	4.7200e-003	1.2000e-003	2.7000e-004	1.4700e-003		19.4461	19.4461	2.2000e-004		19.4517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776
Total	0.0578	0.0989	0.4052	1.2000e-003	0.1066	1.0000e-003	0.1076	0.0283	9.3000e-004	0.0292		119.6527	119.6527	3.0600e-003		119.7293

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9110	8.7625	7.7825	0.0135		0.4916	0.4916		0.4522	0.4522		1,305.7489	1,305.7489	0.4223		1,316.3066
Total	0.9110	8.7625	7.7825	0.0135		0.4916	0.4916		0.4522	0.4522		1,305.7489	1,305.7489	0.4223		1,316.3066

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7900e-003	0.0649	0.0197	1.8000e-004	0.0221	2.5000e-004	0.0223	5.5300e-003	2.4000e-004	5.7600e-003		19.2467	19.2467	2.1000e-004		19.2519
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0528	0.0258	0.3538	9.7000e-004	0.1022	6.9000e-004	0.1029	0.0271	6.4000e-004	0.0277		96.6462	96.6462	2.5500e-003		96.7098
Total	0.0546	0.0908	0.3735	1.1500e-003	0.1243	9.4000e-004	0.1252	0.0326	8.8000e-004	0.0335		115.8929	115.8929	2.7600e-003		115.9618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.7489	1,305.7489	0.4223		1,316.3066
Total	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.7489	1,305.7489	0.4223		1,316.3066

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.5 Utility and Stormwater Drainage - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7900e-003	0.0649	0.0197	1.8000e-004	0.0221	2.5000e-004	0.0223	5.5300e-003	2.4000e-004	5.7600e-003		19.2467	19.2467	2.1000e-004		19.2519
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0528	0.0258	0.3538	9.7000e-004	0.1022	6.9000e-004	0.1029	0.0271	6.4000e-004	0.0277		96.6462	96.6462	2.5500e-003		96.7098
Total	0.0546	0.0908	0.3735	1.1500e-003	0.1243	9.4000e-004	0.1252	0.0326	8.8000e-004	0.0335		115.8929	115.8929	2.7600e-003		115.9618

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0482	1.6349	0.5108	3.9200e-003	0.0974	4.4600e-003	0.1018	0.0280	4.2600e-003	0.0323		409.6427	409.6427	6.8400e-003		409.8138
Worker	0.2378	0.1163	1.5919	4.3700e-003	0.4598	3.1100e-003	0.4629	0.1219	2.8700e-003	0.1248		434.9077	434.9077	0.0115		435.1943
Total	0.2860	1.7512	2.1027	8.2900e-003	0.5572	7.5700e-003	0.5648	0.1499	7.1300e-003	0.1571		844.5505	844.5505	0.0183		845.0080

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4597	19.3641	16.0050	0.0250		0.7028	0.7028		0.7028	0.7028	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.4597	19.3641	16.0050	0.0250		0.7028	0.7028		0.7028	0.7028	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0482	1.6349	0.5108	3.9200e-003	0.0974	4.4600e-003	0.1018	0.0280	4.2600e-003	0.0323		409.6427	409.6427	6.8400e-003		409.8138
Worker	0.2378	0.1163	1.5919	4.3700e-003	0.4598	3.1100e-003	0.4629	0.1219	2.8700e-003	0.1248		434.9077	434.9077	0.0115		435.1943
Total	0.2860	1.7512	2.1027	8.2900e-003	0.5572	7.5700e-003	0.5648	0.1499	7.1300e-003	0.1571		844.5505	844.5505	0.0183		845.0080

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.6 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3377	0.4744	3.8400e-003	0.0974	2.7300e-003	0.1001	0.0280	2.6100e-003	0.0306		400.8135	400.8135	5.8300e-003		400.9593
Worker	0.2245	0.1048	1.4624	4.2000e-003	0.4598	3.0200e-003	0.4628	0.1219	2.7800e-003	0.1247		418.7764	418.7764	0.0103		419.0329
Total	0.2637	1.4424	1.9368	8.0400e-003	0.5572	5.7500e-003	0.5630	0.1499	5.3900e-003	0.1553		819.5899	819.5899	0.0161		819.9922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3929	19.2370	15.9514	0.0250		0.6765	0.6765		0.6765	0.6765	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	1.3929	19.2370	15.9514	0.0250		0.6765	0.6765		0.6765	0.6765	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.6 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3377	0.4744	3.8400e-003	0.0974	2.7300e-003	0.1001	0.0280	2.6100e-003	0.0306		400.8135	400.8135	5.8300e-003		400.9593
Worker	0.2245	0.1048	1.4624	4.2000e-003	0.4598	3.0200e-003	0.4628	0.1219	2.7800e-003	0.1247		418.7764	418.7764	0.0103		419.0329
Total	0.2637	1.4424	1.9368	8.0400e-003	0.5572	5.7500e-003	0.5630	0.1499	5.3900e-003	0.1553		819.5899	819.5899	0.0161		819.9922

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0112	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0936	0.0437	0.6093	1.7500e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		174.4902	174.4902	4.2800e-003		174.5970
Total	0.0936	0.0437	0.6093	1.7500e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		174.4902	174.4902	4.2800e-003		174.5970

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7344	15.6108	12.9737	0.0179		0.5580	0.5580		0.5580	0.5580	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8654	15.6108	12.9737	0.0179		0.5580	0.5580		0.5580	0.5580	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0936	0.0437	0.6093	1.7500e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		174.4902	174.4902	4.2800e-003		174.5970
Total	0.0936	0.0437	0.6093	1.7500e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		174.4902	174.4902	4.2800e-003		174.5970

3.8 Architectural Coating - 2023**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	25.9857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	26.1773	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.8 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0204	0.2844	8.2000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		81.4287	81.4287	2.0000e-003		81.4786
Total	0.0437	0.0204	0.2844	8.2000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		81.4287	81.4287	2.0000e-003		81.4786

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	25.9857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	26.1773	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.8 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0204	0.2844	8.2000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		81.4287	81.4287	2.0000e-003		81.4786
Total	0.0437	0.0204	0.2844	8.2000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		81.4287	81.4287	2.0000e-003		81.4786

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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2607	0.9076	3.4812	0.0110	0.9784	0.0102	0.9886	0.2615	9.5300e-003	0.2710		1,104.5478	1,104.5478	0.0327		1,105.3661
Unmitigated	0.2607	0.9076	3.4812	0.0110	0.9784	0.0102	0.9886	0.2615	9.5300e-003	0.2710		1,104.5478	1,104.5478	0.0327		1,105.3661

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	100.16	0.00	0.00	330,076	330,076
Parking Lot	0.00	0.00	0.00		
Total	100.16	0.00	0.00	330,076	330,076

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
Government (Civic Center)	14.70	6.60	6.60	75.00	20.00	5.00	100	0	0
Parking Lot	14.70	6.60	6.60	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
Government (Civic Center)	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479
Parking Lot	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	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					
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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**

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Unmitigated	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5800e-003	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Total	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5800e-003	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Total	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

7.0 Water Detail

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

CCC Greenwood Residential Center - El Dorado-Mountain County County, Annual

CCC Greenwood Residential Center

El Dorado-Mountain County County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	54.73	1000sqft	1.26	54,732.00	0
Parking Lot	111.00	Space	1.00	44,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MW hr)	328.8	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - The CO2 Intensity Factor is based on 5-year average (PG&E, 2015)

Land Use -

Construction Phase - Construction is expected to start 9/1/2021 and finish 4/7/2023 (20 months duration).

Off-road Equipment -

Trips and VMT - Two 15,000 gallons fire tanks and several pipes will be installed on-site = approx 8 truck trips.

Demolition - Existing 11 buildings demolition is approx. 31,614 sf.

Grading - Approx. 5,000 cy import material.

Architectural Coating - Under AQMD Rule 215, architectural coatings would utilized low VOC contents

Vehicle Trips - Trip rate is 100 ADT / 54.732 per 1,000 sf = 1.83 trip/size/day.

Area Coating - Low VOC contents for paints

Energy Use - Project will be designed as zero net energy facility

Construction Off-road Equipment Mitigation - All construction equipment with 50 hp or greater would utilize Tier 2 engines. Fugitive dust emission would be control with on-site watering at least twice a day.

Area Mitigation - Under AQMD Rule 215 Architectural Coatings would utilized low VOC contents. Low-emitting indoor materials.

Energy Mitigation - Rooftop solar electricity would be utilized in accordance with 2019 building energy efficiency standards.

Water Mitigation - High efficiency irrigation for outdoor water use reduction and low-water use fixtures fr indoor water use reduction

Waste Mitigation - Assuming California's goal of 75 percent recycling, composting, or source reduction of solid waste beyond 2020

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	20.00

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tblConstructionPhase	NumDays	220.00	285.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	11.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	7.00
tblEnergyUse	LightingElect	3.45	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.98	0.00
tblEnergyUse	T24E	3.63	0.00
tblEnergyUse	T24NG	19.54	0.00
tblGrading	MaterialImported	0.00	5,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	WD_TR	27.92	1.83

2.0 Emissions Summary

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2.1 Overall Construction**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.0758	0.8182	0.5481	1.1900e-003	0.0334	0.0368	0.0702	0.0134	0.0342	0.0475	0.0000	106.5236	106.5236	0.0226	0.0000	107.0887
2022	0.2741	2.1135	2.1017	4.2400e-003	0.0685	0.0917	0.1602	0.0185	0.0879	0.1064	0.0000	361.3946	361.3946	0.0541	0.0000	362.7470
2023	0.3027	0.3264	0.3833	7.2000e-004	0.0107	0.0144	0.0251	2.8800e-003	0.0136	0.0165	0.0000	62.0290	62.0290	0.0112	0.0000	62.3096
Maximum	0.3027	2.1135	2.1017	4.2400e-003	0.0685	0.0917	0.1602	0.0185	0.0879	0.1064	0.0000	361.3946	361.3946	0.0541	0.0000	362.7470

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					
2021	0.0365	0.8739	0.6101	1.1900e-003	0.0210	0.0246	0.0457	7.6400e-003	0.0246	0.0323	0.0000	106.5235	106.5235	0.0226	0.0000	107.0886
2022	0.2225	2.7282	2.3159	4.2400e-003	0.0685	0.0915	0.1600	0.0185	0.0914	0.1099	0.0000	361.3943	361.3943	0.0541	0.0000	362.7467
2023	0.2964	0.4806	0.4222	7.2000e-004	0.0107	0.0165	0.0273	2.8800e-003	0.0165	0.0194	0.0000	62.0289	62.0289	0.0112	0.0000	62.3095
Maximum	0.2964	2.7282	2.3159	4.2400e-003	0.0685	0.0915	0.1600	0.0185	0.0914	0.1099	0.0000	361.3943	361.3943	0.0541	0.0000	362.7467

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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	14.88	-25.31	-10.39	0.00	10.96	7.17	8.84	16.49	2.27	5.16	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	9-1-2021	11-30-2021	0.7539	0.7520
2	12-1-2021	2-28-2022	0.4777	0.5798
3	3-1-2022	5-31-2022	0.6086	0.7520
4	6-1-2022	8-31-2022	0.6078	0.7511
5	9-1-2022	11-30-2022	0.6028	0.7446
6	12-1-2022	2-28-2023	0.5120	0.6770
7	3-1-2023	5-31-2023	0.2907	0.3152
		Highest	0.7539	0.7520

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2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2428	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0290	0.1259	0.4186	1.3400e-003	0.1220	1.3200e-003	0.1233	0.0327	1.2400e-003	0.0339	0.0000	121.8684	121.8684	3.7100e-003	0.0000	121.9611
Waste						0.0000	0.0000		0.0000	0.0000	63.3251	0.0000	63.3251	3.7424	0.0000	156.8852
Water						0.0000	0.0000		0.0000	0.0000	3.4494	12.2528	15.7022	0.3554	8.5900e-003	27.1458
Total	0.2718	0.1259	0.4202	1.3400e-003	0.1220	1.3300e-003	0.1233	0.0327	1.2500e-003	0.0340	66.7745	134.1241	200.8985	4.1015	8.5900e-003	305.9953

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2.2 Overall Operational**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.2268	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0290	0.1259	0.4186	1.3400e-003	0.1220	1.3200e-003	0.1233	0.0327	1.2400e-003	0.0339	0.0000	121.8684	121.8684	3.7100e-003	0.0000	121.9611
Waste						0.0000	0.0000		0.0000	0.0000	15.8313	0.0000	15.8313	0.9356	0.0000	39.2213
Water						0.0000	0.0000		0.0000	0.0000	2.7595	10.2857	13.0452	0.2843	6.8800e-003	22.2039
Total	0.2558	0.1259	0.4202	1.3400e-003	0.1220	1.3300e-003	0.1233	0.0327	1.2500e-003	0.0340	18.5908	132.1570	150.7478	1.2237	6.8800e-003	183.3895

	ROG	NOx	CO	SO2	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	5.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.16	1.47	24.96	70.17	19.91	40.07

3.0 Construction Detail**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/26/2021	5	40	
2	Site Preparation	Site Preparation	10/27/2021	11/4/2021	5	7	
3	Grading	Grading	11/5/2021	11/19/2021	5	11	
4	Utility and Stormwater Drainage	Trenching	11/22/2021	1/7/2022	5	35	
5	Building Construction	Building Construction	1/10/2022	2/10/2023	5	285	
6	Paving	Paving	2/13/2023	3/10/2023	5	20	
7	Architectural Coating	Architectural Coating	3/13/2023	4/7/2023	5	20	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,098; Non-Residential Outdoor: 27,366; Striped Parking Area: 2,664 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Utility and Stormwater Drainage	Cranes	1	6.00	231	0.29
Utility and Stormwater Drainage	Other Material Handling Equipment	1	8.00	168	0.40
Utility and Stormwater Drainage	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	36.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Stormwater Drainage	3	8.00	0.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.0000e-005	0.0000	2.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0399	0.3939	0.2899	4.8000e-004		0.0208	0.0208		0.0194	0.0194	0.0000	42.1427	42.1427	0.0108	0.0000	42.4121
Total	0.0399	0.3939	0.2899	4.8000e-004	2.0000e-005	0.0208	0.0208	0.0000	0.0194	0.0194	0.0000	42.1427	42.1427	0.0108	0.0000	42.4121

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3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7200e-003	1.0600e-003	0.0112	3.0000e-005	3.1800e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7253	2.7253	8.0000e-005	0.0000	2.7272
Total	1.7200e-003	1.0600e-003	0.0112	3.0000e-005	3.1800e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7253	2.7253	8.0000e-005	0.0000	2.7272

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					1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0177	0.4241	0.3083	4.8000e-004		0.0144	0.0144		0.0144	0.0144	0.0000	42.1426	42.1426	0.0108	0.0000	42.4120
Total	0.0177	0.4241	0.3083	4.8000e-004	1.0000e-005	0.0144	0.0144	0.0000	0.0144	0.0144	0.0000	42.1426	42.1426	0.0108	0.0000	42.4120

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3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7200e-003	1.0600e-003	0.0112	3.0000e-005	3.1800e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7253	2.7253	8.0000e-005	0.0000	2.7272
Total	1.7200e-003	1.0600e-003	0.0112	3.0000e-005	3.1800e-003	2.0000e-005	3.2100e-003	8.5000e-004	2.0000e-005	8.7000e-004	0.0000	2.7253	2.7253	8.0000e-005	0.0000	2.7272

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.3900e-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	5.4100e-003	0.0640	0.0376	9.0000e-005		2.4600e-003	2.4600e-003		2.2600e-003	2.2600e-003	0.0000	7.5343	7.5343	2.4400e-003	0.0000	7.5952
Total	5.4100e-003	0.0640	0.0376	9.0000e-005	2.3900e-003	2.4600e-003	4.8500e-003	2.6000e-004	2.2600e-003	2.5200e-003	0.0000	7.5343	7.5343	2.4400e-003	0.0000	7.5952

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3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.1000e-004	1.2100e-003	0.0000	3.4000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2935	0.2935	1.0000e-005	0.0000	0.2937
Total	1.9000e-004	1.1000e-004	1.2100e-003	0.0000	3.4000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2935	0.2935	1.0000e-005	0.0000	0.2937

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					1.0700e-003	0.0000	1.0700e-003	1.2000e-004	0.0000	1.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3200e-003	0.0701	0.0478	9.0000e-005		1.7500e-003	1.7500e-003		1.7500e-003	1.7500e-003	0.0000	7.5342	7.5342	2.4400e-003	0.0000	7.5952
Total	2.3200e-003	0.0701	0.0478	9.0000e-005	1.0700e-003	1.7500e-003	2.8200e-003	1.2000e-004	1.7500e-003	1.8700e-003	0.0000	7.5342	7.5342	2.4400e-003	0.0000	7.5952

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3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.9000e-004	1.1000e-004	1.2100e-003	0.0000	3.4000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2935	0.2935	1.0000e-005	0.0000	0.2937
Total	1.9000e-004	1.1000e-004	1.2100e-003	0.0000	3.4000e-004	0.0000	3.5000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2935	0.2935	1.0000e-005	0.0000	0.2937

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0200	0.0000	0.0200	0.0102	0.0000	0.0102	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0101	0.1112	0.0537	1.1000e-004		5.0400e-003	5.0400e-003		4.6300e-003	4.6300e-003	0.0000	9.9571	9.9571	3.2200e-003	0.0000	10.0376
Total	0.0101	0.1112	0.0537	1.1000e-004	0.0200	5.0400e-003	0.0251	0.0102	4.6300e-003	0.0148	0.0000	9.9571	9.9571	3.2200e-003	0.0000	10.0376

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5900e-003	0.0989	0.0285	2.5000e-004	5.1900e-003	3.8000e-004	5.5800e-003	1.4200e-003	3.7000e-004	1.7900e-003	0.0000	24.0060	24.0060	2.8000e-004	0.0000	24.0131
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.3000e-004	2.3700e-003	1.0000e-005	6.7000e-004	0.0000	6.8000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5765	0.5765	2.0000e-005	0.0000	0.5769
Total	2.9500e-003	0.0992	0.0308	2.6000e-004	5.8600e-003	3.8000e-004	6.2600e-003	1.6000e-003	3.7000e-004	1.9700e-003	0.0000	24.5825	24.5825	3.0000e-004	0.0000	24.5901

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					9.0100e-003	0.0000	9.0100e-003	4.5700e-003	0.0000	4.5700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.4400e-003	0.0996	0.0668	1.1000e-004		2.6700e-003	2.6700e-003		2.6700e-003	2.6700e-003	0.0000	9.9571	9.9571	3.2200e-003	0.0000	10.0376
Total	3.4400e-003	0.0996	0.0668	1.1000e-004	9.0100e-003	2.6700e-003	0.0117	4.5700e-003	2.6700e-003	7.2400e-003	0.0000	9.9571	9.9571	3.2200e-003	0.0000	10.0376

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3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	2.5900e-003	0.0989	0.0285	2.5000e-004	5.1900e-003	3.8000e-004	5.5800e-003	1.4200e-003	3.7000e-004	1.7900e-003	0.0000	24.0060	24.0060	2.8000e-004	0.0000	24.0131
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.3000e-004	2.3700e-003	1.0000e-005	6.7000e-004	0.0000	6.8000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5765	0.5765	2.0000e-005	0.0000	0.5769
Total	2.9500e-003	0.0992	0.0308	2.6000e-004	5.8600e-003	3.8000e-004	6.2600e-003	1.6000e-003	3.7000e-004	1.9700e-003	0.0000	24.5825	24.5825	3.0000e-004	0.0000	24.5901

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0148	0.1472	0.1182	2.0000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	17.7670	17.7670	5.7500e-003	0.0000	17.9107
Total	0.0148	0.1472	0.1182	2.0000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	17.7670	17.7670	5.7500e-003	0.0000	17.9107

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3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0900e-003	3.1000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2634	0.2634	0.0000	0.0000	0.2635
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.9000e-004	5.1800e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2578	1.2578	4.0000e-005	0.0000	1.2587
Total	8.3000e-004	1.5800e-003	5.4900e-003	1.0000e-005	1.5300e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.5212	1.5212	4.0000e-005	0.0000	1.5222

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3500e-003	0.1783	0.1385	2.0000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	17.7670	17.7670	5.7500e-003	0.0000	17.9107
Total	7.3500e-003	0.1783	0.1385	2.0000e-004		5.4300e-003	5.4300e-003		5.4300e-003	5.4300e-003	0.0000	17.7670	17.7670	5.7500e-003	0.0000	17.9107

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3.5 Utility and Stormwater Drainage - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.0000e-005	1.0900e-003	3.1000e-004	0.0000	6.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.2634	0.2634	0.0000	0.0000	0.2635
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-004	4.9000e-004	5.1800e-003	1.0000e-005	1.4700e-003	1.0000e-005	1.4800e-003	3.9000e-004	1.0000e-005	4.0000e-004	0.0000	1.2578	1.2578	4.0000e-005	0.0000	1.2587
Total	8.3000e-004	1.5800e-003	5.4900e-003	1.0000e-005	1.5300e-003	1.0000e-005	1.5500e-003	4.1000e-004	1.0000e-005	4.2000e-004	0.0000	1.5212	1.5212	4.0000e-005	0.0000	1.5222

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	2.2800e-003	0.0219	0.0195	3.0000e-005		1.2300e-003	1.2300e-003		1.1300e-003	1.1300e-003	0.0000	2.9614	2.9614	9.6000e-004	0.0000	2.9853
Total	2.2800e-003	0.0219	0.0195	3.0000e-005		1.2300e-003	1.2300e-003		1.1300e-003	1.1300e-003	0.0000	2.9614	2.9614	9.6000e-004	0.0000	2.9853

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3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0434	0.0434	0.0000	0.0000	0.0435
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	7.0000e-005	7.9000e-004	0.0000	2.4000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2022	0.2022	1.0000e-005	0.0000	0.2023
Total	1.3000e-004	2.4000e-004	8.4000e-004	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2456	0.2456	1.0000e-005	0.0000	0.2458

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	1.2200e-003	0.0297	0.0231	3.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	2.9614	2.9614	9.6000e-004	0.0000	2.9853
Total	1.2200e-003	0.0297	0.0231	3.0000e-005		9.0000e-004	9.0000e-004		9.0000e-004	9.0000e-004	0.0000	2.9614	2.9614	9.6000e-004	0.0000	2.9853

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3.5 Utility and Stormwater Drainage - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	5.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0434	0.0434	0.0000	0.0000	0.0435
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	7.0000e-005	7.9000e-004	0.0000	2.4000e-004	0.0000	2.5000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2022	0.2022	1.0000e-005	0.0000	0.2023
Total	1.3000e-004	2.4000e-004	8.4000e-004	0.0000	2.9000e-004	0.0000	3.0000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2456	0.2456	1.0000e-005	0.0000	0.2458

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2366	1.8620	1.8300	3.1900e-003		0.0895	0.0895		0.0858	0.0858	0.0000	264.7921	264.7921	0.0511	0.0000	266.0693
Total	0.2366	1.8620	1.8300	3.1900e-003		0.0895	0.0895		0.0858	0.0858	0.0000	264.7921	264.7921	0.0511	0.0000	266.0693

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3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	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	6.2900e-003	0.2124	0.0699	5.0000e-004	0.0120	5.8000e-004	0.0126	3.4600e-003	5.5000e-004	4.0200e-003	0.0000	46.9932	46.9932	8.3000e-004	0.0000	47.0139
Worker	0.0288	0.0169	0.1814	5.1000e-004	0.0562	4.0000e-004	0.0566	0.0150	3.7000e-004	0.0153	0.0000	46.4022	46.4022	1.2200e-003	0.0000	46.4327
Total	0.0351	0.2294	0.2513	1.0100e-003	0.0682	9.8000e-004	0.0691	0.0184	9.2000e-004	0.0193	0.0000	93.3954	93.3954	2.0500e-003	0.0000	93.4466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1861	2.4689	2.0406	3.1900e-003		0.0896	0.0896		0.0896	0.0896	0.0000	264.7918	264.7918	0.0511	0.0000	266.0690
Total	0.1861	2.4689	2.0406	3.1900e-003		0.0896	0.0896		0.0896	0.0896	0.0000	264.7918	264.7918	0.0511	0.0000	266.0690

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3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2900e-003	0.2124	0.0699	5.0000e-004	0.0120	5.8000e-004	0.0126	3.4600e-003	5.5000e-004	4.0200e-003	0.0000	46.9932	46.9932	8.3000e-004	0.0000	47.0139
Worker	0.0288	0.0169	0.1814	5.1000e-004	0.0562	4.0000e-004	0.0566	0.0150	3.7000e-004	0.0153	0.0000	46.4022	46.4022	1.2200e-003	0.0000	46.4327
Total	0.0351	0.2294	0.2513	1.0100e-003	0.0682	9.8000e-004	0.0691	0.0184	9.2000e-004	0.0193	0.0000	93.3954	93.3954	2.0500e-003	0.0000	93.4466

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0257	0.2044	0.2132	3.8000e-004		9.2000e-003	9.2000e-003		8.8200e-003	8.8200e-003	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026
Total	0.0257	0.2044	0.2132	3.8000e-004		9.2000e-003	9.2000e-003		8.8200e-003	8.8200e-003	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026

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3.6 Building Construction - 2023**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-004	0.0204	7.6300e-003	6.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	4.1000e-004	4.0000e-005	4.5000e-004	0.0000	5.4095	5.4095	8.0000e-005	0.0000	5.4116
Worker	3.2000e-003	1.7900e-003	0.0195	6.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	4.0000e-005	1.8000e-003	0.0000	5.2566	5.2566	1.3000e-004	0.0000	5.2598
Total	3.8000e-003	0.0222	0.0272	1.2000e-004	8.0200e-003	9.0000e-005	8.1100e-003	2.1700e-003	8.0000e-005	2.2500e-003	0.0000	10.6661	10.6661	2.1000e-004	0.0000	10.6713

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0209	0.2886	0.2393	3.8000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026
Total	0.0209	0.2886	0.2393	3.8000e-004		0.0102	0.0102		0.0102	0.0102	0.0000	31.1553	31.1553	5.8900e-003	0.0000	31.3026

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3.6 Building Construction - 2023**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-004	0.0204	7.6300e-003	6.0000e-005	1.4100e-003	4.0000e-005	1.4500e-003	4.1000e-004	4.0000e-005	4.5000e-004	0.0000	5.4095	5.4095	8.0000e-005	0.0000	5.4116
Worker	3.2000e-003	1.7900e-003	0.0195	6.0000e-005	6.6100e-003	5.0000e-005	6.6600e-003	1.7600e-003	4.0000e-005	1.8000e-003	0.0000	5.2566	5.2566	1.3000e-004	0.0000	5.2598
Total	3.8000e-003	0.0222	0.0272	1.2000e-004	8.0200e-003	9.0000e-005	8.1100e-003	2.1700e-003	8.0000e-005	2.2500e-003	0.0000	10.6661	10.6661	2.1000e-004	0.0000	10.6713

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8000e-003	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0101	0.0861	0.1168	1.8000e-004		4.3400e-003	4.3400e-003		4.0000e-003	4.0000e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357

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3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.0000e-004	5.4200e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4602	1.4602	4.0000e-005	0.0000	1.4610
Total	8.9000e-004	5.0000e-004	5.4200e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4602	1.4602	4.0000e-005	0.0000	1.4610

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.3400e-003	0.1561	0.1297	1.8000e-004		5.5800e-003	5.5800e-003		5.5800e-003	5.5800e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357
Paving	1.3100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	8.6500e-003	0.1561	0.1297	1.8000e-004		5.5800e-003	5.5800e-003		5.5800e-003	5.5800e-003	0.0000	15.5128	15.5128	4.9200e-003	0.0000	15.6357

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3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	5.0000e-004	5.4200e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4602	1.4602	4.0000e-005	0.0000	1.4610
Total	8.9000e-004	5.0000e-004	5.4200e-003	2.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.4602	1.4602	4.0000e-005	0.0000	1.4610

3.8 Architectural Coating - 2023**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	0.2599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.2618	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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3.8 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.3000e-004	2.5300e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6814	0.6814	2.0000e-005	0.0000	0.6818
Total	4.1000e-004	2.3000e-004	2.5300e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6814	0.6814	2.0000e-005	0.0000	0.6818

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	0.2599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.2618	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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3.8 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.1000e-004	2.3000e-004	2.5300e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6814	0.6814	2.0000e-005	0.0000	0.6818
Total	4.1000e-004	2.3000e-004	2.5300e-003	1.0000e-005	8.6000e-004	1.0000e-005	8.6000e-004	2.3000e-004	1.0000e-005	2.3000e-004	0.0000	0.6814	0.6814	2.0000e-005	0.0000	0.6818

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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0290	0.1259	0.4186	1.3400e-003	0.1220	1.3200e-003	0.1233	0.0327	1.2400e-003	0.0339	0.0000	121.8684	121.8684	3.7100e-003	0.0000	121.9611
Unmitigated	0.0290	0.1259	0.4186	1.3400e-003	0.1220	1.3200e-003	0.1233	0.0327	1.2400e-003	0.0339	0.0000	121.8684	121.8684	3.7100e-003	0.0000	121.9611

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	100.16	0.00	0.00	330,076	330,076
Parking Lot	0.00	0.00	0.00		
Total	100.16	0.00	0.00	330,076	330,076

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
Government (Civic Center)	14.70	6.60	6.60	75.00	20.00	5.00	100	0	0
Parking Lot	14.70	6.60	6.60	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
Government (Civic Center)	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479
Parking Lot	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479

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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable Energy

[illegible]

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5.2 Energy by Land Use - NaturalGas

Unmitigated

[illegible]

Mitigated

[illegible]

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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			
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	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			
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	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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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2268	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Unmitigated	0.2428	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0260					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2166					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Total	0.2428	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0260					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2006					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.4000e-004	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003
Total	0.2268	1.0000e-005	1.5300e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	2.9600e-003	2.9600e-003	1.0000e-005	0.0000	3.1600e-003

7.0 Water Detail

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7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	13.0452	0.2843	6.8800e-003	22.2039
Unmitigated	15.7022	0.3554	8.5900e-003	27.1458

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7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	10.8726 / 6.66388	15.7022	0.3554	8.5900e-003	27.1458
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		15.7022	0.3554	8.5900e-003	27.1458

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Government (Civic Center)	8.69812 / 6.25738	13.0452	0.2843	6.8800e-003	22.2039
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		13.0452	0.2843	6.8800e-003	22.2039

8.0 Waste Detail**8.1 Mitigation Measures Waste**

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Institute Recycling and Composting Services

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.8313	0.9356	0.0000	39.2213
Unmitigated	63.3251	3.7424	0.0000	156.8852

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	311.96	63.3251	3.7424	0.0000	156.8852
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		63.3251	3.7424	0.0000	156.8852

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8.2 Waste by Land Use**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Government (Civic Center)	77.99	15.8313	0.9356	0.0000	39.2213
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		15.8313	0.9356	0.0000	39.2213

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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Annual

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

CCC Greenwood Residential Center
El Dorado-Mountain County County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	54.73	1000sqft	1.26	54,732.00	0
Parking Lot	111.00	Space	1.00	44,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

Project Characteristics - The CO2 Intensity Factor is based on 5-year average (PG&E, 2015)

Land Use -

Construction Phase - Construction is expected to start 9/1/2021 and finish 4/7/2023 (20 months duration).

Off-road Equipment -

Trips and VMT - Two 15,000 gallons fire tanks and several pipes will be installed on-site = approx 8 truck trips.

Demolition - Existing 11 buildings demolition is approx. 31,614 sf.

Grading - Approx. 5,000 cy import material.

Architectural Coating - Under AQMD Rule 215, architectural coatings would utilized low VOC contents

Vehicle Trips - Trip rate is 100 ADT / 54.732 per 1,000 sf = 1.83 trip/size/day.

Area Coating - Low VOC contents for paints

Energy Use - Project will be designed as zero net energy facility

Construction Off-road Equipment Mitigation - All construction equipment with 50 hp or greater would utilize Tier 2 engines. Fugitive dust emission would be control with on-site watering at least twice a day.

Area Mitigation - Under AQMD Rule 215 Architectural Coatings would utilized low VOC contents. Low-emitting indoor materials.

Energy Mitigation - Rooftop solar electricity would be utilized in accordance with 2019 building energy efficiency standards.

Water Mitigation - High efficiency irrigation for outdoor water use reduction and low-water use fixtures fr indoor water use reduction

Waste Mitigation - Assuming California's goal of 75 percent recycling, composting, or source reduction of solid waste beyond 2020

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	20.00

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

tblConstructionPhase	NumDays	220.00	285.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	11.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	7.00
tblEnergyUse	LightingElect	3.45	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.98	0.00
tblEnergyUse	T24E	3.63	0.00
tblEnergyUse	T24NG	19.54	0.00
tblGrading	MaterialImported	0.00	5,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	WD_TR	27.92	1.83

2.0 Emissions Summary

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.3630	37.6997	15.3115	0.0681	4.7488	1.0421	5.7347	2.1483	0.9725	3.0580	0.0000	6,954.769 5	6,954.769 5	0.7703	0.0000	6,972.386 3
2022	2.1415	16.3552	16.4560	0.0333	0.5572	0.7098	1.2670	0.1499	0.6802	0.8302	0.0000	3,133.831 7	3,133.831 7	0.4600	0.0000	3,145.331 0
2023	26.2210	15.0664	16.1513	0.0331	0.5572	0.6194	1.1766	0.1499	0.5934	0.7434	0.0000	3,109.113 2	3,109.113 2	0.5462	0.0000	3,120.340 1
Maximum	26.2210	37.6997	16.4560	0.0681	4.7488	1.0421	5.7347	2.1483	0.9725	3.0580	0.0000	6,954.769 5	6,954.769 5	0.7703	0.0000	6,972.386 3

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					
2021	1.1621	35.5912	17.6961	0.0681	2.7462	0.7193	3.3014	1.1325	0.7193	1.6847	0.0000	6,954.769 5	6,954.769 5	0.7703	0.0000	6,972.386 3
2022	1.7457	21.1153	18.1078	0.0333	0.5572	0.7103	1.2675	0.1499	0.7099	0.8598	0.0000	3,133.831 7	3,133.831 7	0.4600	0.0000	3,145.331 0
2023	26.2210	20.6795	17.8882	0.0331	0.5572	0.6822	1.2394	0.1499	0.6819	0.8318	0.0000	3,109.113 2	3,109.113 2	0.5462	0.0000	3,120.340 1
Maximum	26.2210	35.5912	18.1078	0.0681	2.7462	0.7193	3.3014	1.1325	0.7193	1.6847	0.0000	6,954.769 5	6,954.769 5	0.7703	0.0000	6,972.386 3

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.20	-11.96	-12.05	0.00	34.16	10.93	28.98	41.49	6.02	27.10	0.00	0.00	0.00	0.00	0.00	0.00

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
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	0.2607	0.9076	3.4812	0.0110	0.9784	0.0102	0.9886	0.2615	9.5300e-003	0.2710		1,104.5478	1,104.5478	0.0327		1,105.3661
Total	1.5917	0.9078	3.4982	0.0110	0.9784	0.0102	0.9887	0.2615	9.5900e-003	0.2710		1,104.5841	1,104.5841	0.0328	0.0000	1,105.4048

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	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
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	0.2607	0.9076	3.4812	0.0110	0.9784	0.0102	0.9886	0.2615	9.5300e-003	0.2710		1,104.5478	1,104.5478	0.0327		1,105.3661
Total	1.5041	0.9078	3.4982	0.0110	0.9784	0.0102	0.9887	0.2615	9.5900e-003	0.2710		1,104.5841	1,104.5841	0.0328	0.0000	1,105.4048

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/26/2021	5	40	
2	Site Preparation	Site Preparation	10/27/2021	11/4/2021	5	7	
3	Grading	Grading	11/5/2021	11/19/2021	5	11	
4	Utility and Stormwater Drainage	Trenching	11/22/2021	1/7/2022	5	35	
5	Building Construction	Building Construction	1/10/2022	2/10/2023	5	285	
6	Paving	Paving	2/13/2023	3/10/2023	5	20	
7	Architectural Coating	Architectural Coating	3/13/2023	4/7/2023	5	20	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,098; Non-Residential Outdoor: 27,366; Striped Parking Area: 2,664 (Architectural Coating – sqft)

OffRoad Equipment

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Utility and Stormwater Drainage	Cranes	1	6.00	231	0.29
Utility and Stormwater Drainage	Other Material Handling Equipment	1	8.00	168	0.40
Utility and Stormwater Drainage	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	36.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Stormwater Drainage	3	8.00	0.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.9000e-004	0.0000	7.9000e-004	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	7.9000e-004	1.0409	1.0417	1.2000e-004	0.9715	0.9716		2,322.7171	2,322.7171	0.5940		2,337.5658

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0909	0.0466	0.6253	1.6400e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		162.8358	162.8358	4.6100e-003		162.9511
Total	0.0909	0.0466	0.6253	1.6400e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		162.8358	162.8358	4.6100e-003		162.9511

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					3.6000e-004	0.0000	3.6000e-004	5.0000e-005	0.0000	5.0000e-005			0.0000			0.0000
Off-Road	0.8857	21.2053	15.4154	0.0241		0.7182	0.7182		0.7182	0.7182	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	0.8857	21.2053	15.4154	0.0241	3.6000e-004	0.7182	0.7185	5.0000e-005	0.7182	0.7182	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0909	0.0466	0.6253	1.6400e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		162.8358	162.8358	4.6100e-003		162.9511
Total	0.0909	0.0466	0.6253	1.6400e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		162.8358	162.8358	4.6100e-003		162.9511

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6818	0.0000	0.6818	0.0736	0.0000	0.0736			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.6818	0.7019	1.3836	0.0736	0.6457	0.7193		2,372.883 2	2,372.883 2	0.7674		2,392.069 2

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776
Total	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776

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					0.3068	0.0000	0.3068	0.0331	0.0000	0.0331			0.0000			0.0000
Off-Road	0.6625	20.0179	13.6431	0.0245		0.4988	0.4988		0.4988	0.4988	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	0.6625	20.0179	13.6431	0.0245	0.3068	0.4988	0.8055	0.0331	0.4988	0.5319	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776
Total	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.6411	0.0000	3.6411	1.8470	0.0000	1.8470			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	3.6411	0.9158	4.5568	1.8470	0.8425	2.6895		1,995.6114	1,995.6114	0.6454		2,011.7470

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3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4660	17.4504	5.0701	0.0462	0.9799	0.0693	1.0493	0.2675	0.0663	0.3338		4,833.8998	4,833.8998	0.0557		4,835.2924
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0358	0.4810	1.2600e-003	0.1277	8.9000e-004	0.1286	0.0339	8.2000e-004	0.0347		125.2583	125.2583	3.5500e-003		125.3470
Total	0.5359	17.4862	5.5511	0.0475	1.1077	0.0702	1.1779	0.3014	0.0671	0.3685		4,959.1581	4,959.1581	0.0593		4,960.6394

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6385	0.0000	1.6385	0.8311	0.0000	0.8311			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.4850	0.4850		0.4850	0.4850	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	0.6262	18.1050	12.1450	0.0206	1.6385	0.4850	2.1235	0.8311	0.4850	1.3162	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4660	17.4504	5.0701	0.0462	0.9799	0.0693	1.0493	0.2675	0.0663	0.3338		4,833.8998	4,833.8998	0.0557		4,835.2924
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0699	0.0358	0.4810	1.2600e-003	0.1277	8.9000e-004	0.1286	0.0339	8.2000e-004	0.0347		125.2583	125.2583	3.5500e-003		125.3470
Total	0.5359	17.4862	5.5511	0.0475	1.1077	0.0702	1.1779	0.3014	0.0671	0.3685		4,959.1581	4,959.1581	0.0593		4,960.6394

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9870	9.8114	7.8818	0.0135		0.5375	0.5375		0.4945	0.4945		1,305.6533	1,305.6533	0.4223		1,316.2102
Total	0.9870	9.8114	7.8818	0.0135		0.5375	0.5375		0.4945	0.4945		1,305.6533	1,305.6533	0.4223		1,316.2102

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8700e-003	0.0702	0.0204	1.9000e-004	4.4500e-003	2.8000e-004	4.7200e-003	1.2000e-003	2.7000e-004	1.4700e-003		19.4461	19.4461	2.2000e-004		19.4517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776
Total	0.0578	0.0989	0.4052	1.2000e-003	0.1066	1.0000e-003	0.1076	0.0283	9.3000e-004	0.0292		119.6527	119.6527	3.0600e-003		119.7293

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.6533	1,305.6533	0.4223		1,316.2102
Total	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.6533	1,305.6533	0.4223		1,316.2102

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.5 Utility and Stormwater Drainage - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8700e-003	0.0702	0.0204	1.9000e-004	4.4500e-003	2.8000e-004	4.7200e-003	1.2000e-003	2.7000e-004	1.4700e-003		19.4461	19.4461	2.2000e-004		19.4517
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0559	0.0287	0.3848	1.0100e-003	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		100.2067	100.2067	2.8400e-003		100.2776
Total	0.0578	0.0989	0.4052	1.2000e-003	0.1066	1.0000e-003	0.1076	0.0283	9.3000e-004	0.0292		119.6527	119.6527	3.0600e-003		119.7293

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9110	8.7625	7.7825	0.0135		0.4916	0.4916		0.4522	0.4522		1,305.7489	1,305.7489	0.4223		1,316.3066
Total	0.9110	8.7625	7.7825	0.0135		0.4916	0.4916		0.4522	0.4522		1,305.7489	1,305.7489	0.4223		1,316.3066

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7900e-003	0.0649	0.0197	1.8000e-004	0.0221	2.5000e-004	0.0223	5.5300e-003	2.4000e-004	5.7600e-003		19.2467	19.2467	2.1000e-004		19.2519
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0528	0.0258	0.3538	9.7000e-004	0.1022	6.9000e-004	0.1029	0.0271	6.4000e-004	0.0277		96.6462	96.6462	2.5500e-003		96.7098
Total	0.0546	0.0908	0.3735	1.1500e-003	0.1243	9.4000e-004	0.1252	0.0326	8.8000e-004	0.0335		115.8929	115.8929	2.7600e-003		115.9618

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.7489	1,305.7489	0.4223		1,316.3066
Total	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.7489	1,305.7489	0.4223		1,316.3066

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.5 Utility and Stormwater Drainage - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.7900e-003	0.0649	0.0197	1.8000e-004	0.0221	2.5000e-004	0.0223	5.5300e-003	2.4000e-004	5.7600e-003		19.2467	19.2467	2.1000e-004		19.2519
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0528	0.0258	0.3538	9.7000e-004	0.1022	6.9000e-004	0.1029	0.0271	6.4000e-004	0.0277		96.6462	96.6462	2.5500e-003		96.7098
Total	0.0546	0.0908	0.3735	1.1500e-003	0.1243	9.4000e-004	0.1252	0.0326	8.8000e-004	0.0335		115.8929	115.8929	2.7600e-003		115.9618

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

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3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0482	1.6349	0.5108	3.9200e-003	0.0974	4.4600e-003	0.1018	0.0280	4.2600e-003	0.0323		409.6427	409.6427	6.8400e-003		409.8138
Worker	0.2378	0.1163	1.5919	4.3700e-003	0.4598	3.1100e-003	0.4629	0.1219	2.8700e-003	0.1248		434.9077	434.9077	0.0115		435.1943
Total	0.2860	1.7512	2.1027	8.2900e-003	0.5572	7.5700e-003	0.5648	0.1499	7.1300e-003	0.1571		844.5505	844.5505	0.0183		845.0080

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4597	19.3641	16.0050	0.0250		0.7028	0.7028		0.7028	0.7028	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.4597	19.3641	16.0050	0.0250		0.7028	0.7028		0.7028	0.7028	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

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3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0482	1.6349	0.5108	3.9200e-003	0.0974	4.4600e-003	0.1018	0.0280	4.2600e-003	0.0323		409.6427	409.6427	6.8400e-003		409.8138
Worker	0.2378	0.1163	1.5919	4.3700e-003	0.4598	3.1100e-003	0.4629	0.1219	2.8700e-003	0.1248		434.9077	434.9077	0.0115		435.1943
Total	0.2860	1.7512	2.1027	8.2900e-003	0.5572	7.5700e-003	0.5648	0.1499	7.1300e-003	0.1571		844.5505	844.5505	0.0183		845.0080

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479

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3.6 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3377	0.4744	3.8400e-003	0.0974	2.7300e-003	0.1001	0.0280	2.6100e-003	0.0306		400.8135	400.8135	5.8300e-003		400.9593
Worker	0.2245	0.1048	1.4624	4.2000e-003	0.4598	3.0200e-003	0.4628	0.1219	2.7800e-003	0.1247		418.7764	418.7764	0.0103		419.0329
Total	0.2637	1.4424	1.9368	8.0400e-003	0.5572	5.7500e-003	0.5630	0.1499	5.3900e-003	0.1553		819.5899	819.5899	0.0161		819.9922

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3929	19.2370	15.9514	0.0250		0.6765	0.6765		0.6765	0.6765	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	1.3929	19.2370	15.9514	0.0250		0.6765	0.6765		0.6765	0.6765	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479

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3.6 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0392	1.3377	0.4744	3.8400e-003	0.0974	2.7300e-003	0.1001	0.0280	2.6100e-003	0.0306		400.8135	400.8135	5.8300e-003		400.9593
Worker	0.2245	0.1048	1.4624	4.2000e-003	0.4598	3.0200e-003	0.4628	0.1219	2.7800e-003	0.1247		418.7764	418.7764	0.0103		419.0329
Total	0.2637	1.4424	1.9368	8.0400e-003	0.5572	5.7500e-003	0.5630	0.1499	5.3900e-003	0.1553		819.5899	819.5899	0.0161		819.9922

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0112	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414

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3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0936	0.0437	0.6093	1.7500e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		174.4902	174.4902	4.2800e-003		174.5970
Total	0.0936	0.0437	0.6093	1.7500e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		174.4902	174.4902	4.2800e-003		174.5970

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7344	15.6108	12.9737	0.0179		0.5580	0.5580		0.5580	0.5580	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8654	15.6108	12.9737	0.0179		0.5580	0.5580		0.5580	0.5580	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0936	0.0437	0.6093	1.7500e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		174.4902	174.4902	4.2800e-003		174.5970
Total	0.0936	0.0437	0.6093	1.7500e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		174.4902	174.4902	4.2800e-003		174.5970

3.8 Architectural Coating - 2023**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	25.9857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	26.1773	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.8 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0204	0.2844	8.2000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		81.4287	81.4287	2.0000e-003		81.4786
Total	0.0437	0.0204	0.2844	8.2000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		81.4287	81.4287	2.0000e-003		81.4786

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	25.9857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	26.1773	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

3.8 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0437	0.0204	0.2844	8.2000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		81.4287	81.4287	2.0000e-003		81.4786
Total	0.0437	0.0204	0.2844	8.2000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		81.4287	81.4287	2.0000e-003		81.4786

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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2607	0.9076	3.4812	0.0110	0.9784	0.0102	0.9886	0.2615	9.5300e-003	0.2710		1,104.5478	1,104.5478	0.0327		1,105.3661
Unmitigated	0.2607	0.9076	3.4812	0.0110	0.9784	0.0102	0.9886	0.2615	9.5300e-003	0.2710		1,104.5478	1,104.5478	0.0327		1,105.3661

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	100.16	0.00	0.00	330,076	330,076
Parking Lot	0.00	0.00	0.00		
Total	100.16	0.00	0.00	330,076	330,076

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
Government (Civic Center)	14.70	6.60	6.60	75.00	20.00	5.00	100	0	0
Parking Lot	14.70	6.60	6.60	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
Government (Civic Center)	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479
Parking Lot	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	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					
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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**

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Unmitigated	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5800e-003	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Total	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5800e-003	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Total	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

7.0 Water Detail

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Summer

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

CCC Greenwood Residential Center

El Dorado-Mountain County County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Government (Civic Center)	54.73	1000sqft	1.26	54,732.00	0
Parking Lot	111.00	Space	1.00	44,400.00	0

1.2 Other Project Characteristics

Urbanization	Rural	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2022
Utility Company	Pacific Gas & Electric Company				
CO2 Intensity (lb/MWhr)	328.8	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

Project Characteristics - The CO2 Intensity Factor is based on 5-year average (PG&E, 2015)

Land Use -

Construction Phase - Construction is expected to start 9/1/2021 and finish 4/7/2023 (20 months duration).

Off-road Equipment -

Trips and VMT - Two 15,000 gallons fire tanks and several pipes will be installed on-site = approx 8 truck trips.

Demolition - Existing 11 buildings demolition is approx. 31,614 sf.

Grading - Approx. 5,000 cy import material.

Architectural Coating - Under AQMD Rule 215, architectural coatings would utilized low VOC contents

Vehicle Trips - Trip rate is 100 ADT / 54.732 per 1,000 sf = 1.83 trip/size/day.

Area Coating - Low VOC contents for paints

Energy Use - Project will be designed as zero net energy facility

Construction Off-road Equipment Mitigation - All construction equipment with 50 hp or greater would utilize Tier 2 engines. Fugitive dust emission would be control with on-site watering at least twice a day.

Area Mitigation - Under AQMD Rule 215 Architectural Coatings would utilized low VOC contents. Low-emitting indoor materials.

Energy Mitigation - Rooftop solar electricity would be utilized in accordance with 2019 building energy efficiency standards.

Water Mitigation - High efficiency irrigation for outdoor water use reduction and low-water use fixtures fr indoor water use reduction

Waste Mitigation - Assuming California's goal of 75 percent recycling, composting, or source reduction of solid waste beyond 2020

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	250.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	250.00	100.00
tblArchitecturalCoating	EF_Parking	250.00	100.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	250	100
tblAreaCoating	Area_EF_Nonresidential_Interior	250	100
tblAreaCoating	Area_EF_Parking	250	100
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00

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tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	8.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
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tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstEquipMitigation	Tier	No Change	Tier 2
tblConstructionPhase	NumDays	10.00	20.00

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tblConstructionPhase	NumDays	220.00	285.00
tblConstructionPhase	NumDays	20.00	40.00
tblConstructionPhase	NumDays	6.00	11.00
tblConstructionPhase	NumDays	10.00	20.00
tblConstructionPhase	NumDays	3.00	7.00
tblEnergyUse	LightingElect	3.45	0.00
tblEnergyUse	LightingElect	0.35	0.00
tblEnergyUse	NT24E	3.98	0.00
tblEnergyUse	T24E	3.63	0.00
tblEnergyUse	T24NG	19.54	0.00
tblGrading	MaterialImported	0.00	5,000.00
tblProjectCharacteristics	CO2IntensityFactor	641.35	328.8
tblProjectCharacteristics	UrbanizationLevel	Urban	Rural
tblTripsAndVMT	HaulingTripNumber	0.00	8.00
tblVehicleTrips	DV_TP	34.00	0.00
tblVehicleTrips	PB_TP	16.00	0.00
tblVehicleTrips	PR_TP	50.00	100.00
tblVehicleTrips	WD_TR	27.92	1.83

2.0 Emissions Summary

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

2.1 Overall Construction (Maximum Daily Emission)**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	2.3791	38.2960	15.4858	0.0675	4.7488	1.0421	5.7360	2.1483	0.9725	3.0592	0.0000	6,888.802 5	6,888.802 5	0.7700	0.0000	6,906.484 0
2022	2.1619	16.4106	16.3540	0.0328	0.5572	0.7099	1.2671	0.1499	0.6804	0.8303	0.0000	3,083.691 7	3,083.691 7	0.4595	0.0000	3,095.179 3
2023	26.2243	15.1103	16.0476	0.0326	0.5572	0.6195	1.1767	0.1499	0.5936	0.7435	0.0000	3,060.712 4	3,060.712 4	0.5458	0.0000	3,071.927 3
Maximum	26.2243	38.2960	16.3540	0.0675	4.7488	1.0421	5.7360	2.1483	0.9725	3.0592	0.0000	6,888.802 5	6,888.802 5	0.7700	0.0000	6,906.484 0

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					
2021	1.1781	36.1875	17.8704	0.0675	2.7462	0.7193	3.3026	1.1325	0.7193	1.6859	0.0000	6,888.802 5	6,888.802 5	0.7700	0.0000	6,906.484 0
2022	1.7661	21.1707	18.0058	0.0328	0.5572	0.7105	1.2677	0.1499	0.7101	0.8600	0.0000	3,083.691 7	3,083.691 7	0.4595	0.0000	3,095.179 3
2023	26.2243	20.7234	17.7845	0.0326	0.5572	0.6824	1.2396	0.1499	0.6820	0.8319	0.0000	3,060.712 4	3,060.712 4	0.5458	0.0000	3,071.927 3
Maximum	26.2243	36.1875	18.0058	0.0675	2.7462	0.7193	3.3026	1.1325	0.7193	1.6859	0.0000	6,888.802 5	6,888.802 5	0.7700	0.0000	6,906.484 0

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.19	-11.84	-12.06	0.00	34.16	10.93	28.97	41.49	6.02	27.09	0.00	0.00	0.00	0.00	0.00	0.00

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

2.2 Overall Operational**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
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	0.2193	0.9964	3.2621	0.0101	0.9784	0.0102	0.9886	0.2615	9.5500e-003	0.2710		1,016.6546	1,016.6546	0.0315		1,017.4432
Total	1.5503	0.9966	3.2791	0.0101	0.9784	0.0103	0.9887	0.2615	9.6100e-003	0.2711		1,016.6909	1,016.6909	0.0316	0.0000	1,017.4818

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	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
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	0.2193	0.9964	3.2621	0.0101	0.9784	0.0102	0.9886	0.2615	9.5500e-003	0.2710		1,016.6546	1,016.6546	0.0315		1,017.4432
Total	1.4627	0.9966	3.2791	0.0101	0.9784	0.0103	0.9887	0.2615	9.6100e-003	0.2711		1,016.6909	1,016.6909	0.0316	0.0000	1,017.4818

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	5.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	9/1/2021	10/26/2021	5	40	
2	Site Preparation	Site Preparation	10/27/2021	11/4/2021	5	7	
3	Grading	Grading	11/5/2021	11/19/2021	5	11	
4	Utility and Stormwater Drainage	Trenching	11/22/2021	1/7/2022	5	35	
5	Building Construction	Building Construction	1/10/2022	2/10/2023	5	285	
6	Paving	Paving	2/13/2023	3/10/2023	5	20	
7	Architectural Coating	Architectural Coating	3/13/2023	4/7/2023	5	20	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 1

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 82,098; Non-Residential Outdoor: 27,366; Striped Parking Area: 2,664 (Architectural Coating – sqft)

OffRoad Equipment

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Utility and Stormwater Drainage	Cranes	1	6.00	231	0.29
Utility and Stormwater Drainage	Other Material Handling Equipment	1	8.00	168	0.40
Utility and Stormwater Drainage	Trenchers	1	8.00	78	0.50
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	625.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	36.00	16.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Utility and Stormwater Drainage	3	8.00	0.00	8.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	16.80	6.60	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

3.2 Demolition - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.9000e-004	0.0000	7.9000e-004	1.2000e-004	0.0000	1.2000e-004			0.0000			0.0000
Off-Road	1.9930	19.6966	14.4925	0.0241		1.0409	1.0409		0.9715	0.9715		2,322.7171	2,322.7171	0.5940		2,337.5658
Total	1.9930	19.6966	14.4925	0.0241	7.9000e-004	1.0409	1.0417	1.2000e-004	0.9715	0.9716		2,322.7171	2,322.7171	0.5940		2,337.5658

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.2 Demolition - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0974	0.0576	0.5608	1.4800e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		147.0555	147.0555	4.1800e-003		147.1601
Total	0.0974	0.0576	0.5608	1.4800e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		147.0555	147.0555	4.1800e-003		147.1601

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					3.6000e-004	0.0000	3.6000e-004	5.0000e-005	0.0000	5.0000e-005			0.0000			0.0000
Off-Road	0.8857	21.2053	15.4154	0.0241		0.7182	0.7182		0.7182	0.7182	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658
Total	0.8857	21.2053	15.4154	0.0241	3.6000e-004	0.7182	0.7185	5.0000e-005	0.7182	0.7182	0.0000	2,322.7171	2,322.7171	0.5940		2,337.5658

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.2 Demolition - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0974	0.0576	0.5608	1.4800e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		147.0555	147.0555	4.1800e-003		147.1601
Total	0.0974	0.0576	0.5608	1.4800e-003	0.1661	1.1600e-003	0.1672	0.0440	1.0700e-003	0.0451		147.0555	147.0555	4.1800e-003		147.1601

3.3 Site Preparation - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6818	0.0000	0.6818	0.0736	0.0000	0.0736			0.0000			0.0000
Off-Road	1.5463	18.2862	10.7496	0.0245		0.7019	0.7019		0.6457	0.6457		2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	1.5463	18.2862	10.7496	0.0245	0.6818	0.7019	1.3836	0.0736	0.6457	0.7193		2,372.883 2	2,372.883 2	0.7674		2,392.069 2

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.3 Site Preparation - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600
Total	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600

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					0.3068	0.0000	0.3068	0.0331	0.0000	0.0331			0.0000			0.0000
Off-Road	0.6625	20.0179	13.6431	0.0245		0.4988	0.4988		0.4988	0.4988	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2
Total	0.6625	20.0179	13.6431	0.0245	0.3068	0.4988	0.8055	0.0331	0.4988	0.5319	0.0000	2,372.883 2	2,372.883 2	0.7674		2,392.069 2

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.3 Site Preparation - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600
Total	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600

3.4 Grading - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.6411	0.0000	3.6411	1.8470	0.0000	1.8470			0.0000			0.0000
Off-Road	1.8271	20.2135	9.7604	0.0206		0.9158	0.9158		0.8425	0.8425		1,995.6114	1,995.6114	0.6454		2,011.7470
Total	1.8271	20.2135	9.7604	0.0206	3.6411	0.9158	4.5568	1.8470	0.8425	2.6895		1,995.6114	1,995.6114	0.6454		2,011.7470

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.4 Grading - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4771	18.0382	5.2940	0.0457	0.9799	0.0706	1.0505	0.2675	0.0675	0.3350		4,780.0715	4,780.0715	0.0586		4,781.5369
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0443	0.4314	1.1400e-003	0.1277	8.9000e-004	0.1286	0.0339	8.2000e-004	0.0347		113.1196	113.1196	3.2200e-003		113.2001
Total	0.5520	18.0825	5.7254	0.0469	1.1077	0.0714	1.1791	0.3014	0.0683	0.3697		4,893.1911	4,893.1911	0.0618		4,894.7370

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.6385	0.0000	1.6385	0.8311	0.0000	0.8311			0.0000			0.0000
Off-Road	0.6262	18.1050	12.1450	0.0206		0.4850	0.4850		0.4850	0.4850	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470
Total	0.6262	18.1050	12.1450	0.0206	1.6385	0.4850	2.1235	0.8311	0.4850	1.3162	0.0000	1,995.6114	1,995.6114	0.6454		2,011.7470

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.4 Grading - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4771	18.0382	5.2940	0.0457	0.9799	0.0706	1.0505	0.2675	0.0675	0.3350		4,780.0715	4,780.0715	0.0586		4,781.5369
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0749	0.0443	0.4314	1.1400e-003	0.1277	8.9000e-004	0.1286	0.0339	8.2000e-004	0.0347		113.1196	113.1196	3.2200e-003		113.2001
Total	0.5520	18.0825	5.7254	0.0469	1.1077	0.0714	1.1791	0.3014	0.0683	0.3697		4,893.1911	4,893.1911	0.0618		4,894.7370

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9870	9.8114	7.8818	0.0135		0.5375	0.5375		0.4945	0.4945		1,305.6533	1,305.6533	0.4223		1,316.2102
Total	0.9870	9.8114	7.8818	0.0135		0.5375	0.5375		0.4945	0.4945		1,305.6533	1,305.6533	0.4223		1,316.2102

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.5 Utility and Stormwater Drainage - 2021**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200e-003	0.0726	0.0213	1.8000e-004	4.4500e-003	2.8000e-004	4.7300e-003	1.2000e-003	2.7000e-004	1.4700e-003		19.2295	19.2295	2.4000e-004		19.2354
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600
Total	0.0619	0.1080	0.3664	1.0900e-003	0.1066	1.0000e-003	0.1076	0.0283	9.3000e-004	0.0292		109.7253	109.7253	2.8100e-003		109.7955

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.6533	1,305.6533	0.4223		1,316.2102
Total	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.6533	1,305.6533	0.4223		1,316.2102

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.5 Utility and Stormwater Drainage - 2021**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.9200e-003	0.0726	0.0213	1.8000e-004	4.4500e-003	2.8000e-004	4.7300e-003	1.2000e-003	2.7000e-004	1.4700e-003		19.2295	19.2295	2.4000e-004		19.2354
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0599	0.0354	0.3451	9.1000e-004	0.1022	7.2000e-004	0.1029	0.0271	6.6000e-004	0.0278		90.4957	90.4957	2.5700e-003		90.5600
Total	0.0619	0.1080	0.3664	1.0900e-003	0.1066	1.0000e-003	0.1076	0.0283	9.3000e-004	0.0292		109.7253	109.7253	2.8100e-003		109.7955

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9110	8.7625	7.7825	0.0135		0.4916	0.4916		0.4522	0.4522		1,305.7489	1,305.7489	0.4223		1,316.3066
Total	0.9110	8.7625	7.7825	0.0135		0.4916	0.4916		0.4522	0.4522		1,305.7489	1,305.7489	0.4223		1,316.3066

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.5 Utility and Stormwater Drainage - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8300e-003	0.0671	0.0206	1.8000e-004	0.0221	2.5000e-004	0.0223	5.5300e-003	2.4000e-004	5.7700e-003		19.0303	19.0303	2.2000e-004		19.0358
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0319	0.3154	8.8000e-004	0.1022	6.9000e-004	0.1029	0.0271	6.4000e-004	0.0277		87.2802	87.2802	2.3000e-003		87.3377
Total	0.0586	0.0990	0.3360	1.0600e-003	0.1243	9.4000e-004	0.1252	0.0326	8.8000e-004	0.0335		106.3105	106.3105	2.5200e-003		106.3735

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.7489	1,305.7489	0.4223		1,316.3066
Total	0.4897	11.8870	9.2342	0.0135		0.3618	0.3618		0.3618	0.3618	0.0000	1,305.7489	1,305.7489	0.4223		1,316.3066

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.5 Utility and Stormwater Drainage - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	1.8300e-003	0.0671	0.0206	1.8000e-004	0.0221	2.5000e-004	0.0223	5.5300e-003	2.4000e-004	5.7700e-003		19.0303	19.0303	2.2000e-004		19.0358
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0567	0.0319	0.3154	8.8000e-004	0.1022	6.9000e-004	0.1029	0.0271	6.4000e-004	0.0277		87.2802	87.2802	2.3000e-003		87.3377
Total	0.0586	0.0990	0.3360	1.0600e-003	0.1243	9.4000e-004	0.1252	0.0326	8.8000e-004	0.0335		106.3105	106.3105	2.5200e-003		106.3735

3.6 Building Construction - 2022**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.6 Building Construction - 2022**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0510	1.6630	0.5814	3.8500e-003	0.0974	4.6300e-003	0.1020	0.0280	4.4200e-003	0.0324		401.6496	401.6496	7.4800e-003		401.8365
Worker	0.2554	0.1436	1.4193	3.9400e-003	0.4598	3.1100e-003	0.4629	0.1219	2.8700e-003	0.1248		392.7608	392.7608	0.0104		393.0197
Total	0.3064	1.8066	2.0007	7.7900e-003	0.5572	7.7400e-003	0.5649	0.1499	7.2900e-003	0.1572		794.4104	794.4104	0.0178		794.8563

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4597	19.3641	16.0050	0.0250		0.7028	0.7028		0.7028	0.7028	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
Total	1.4597	19.3641	16.0050	0.0250		0.7028	0.7028		0.7028	0.7028	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.6 Building Construction - 2022**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0510	1.6630	0.5814	3.8500e-003	0.0974	4.6300e-003	0.1020	0.0280	4.4200e-003	0.0324		401.6496	401.6496	7.4800e-003		401.8365
Worker	0.2554	0.1436	1.4193	3.9400e-003	0.4598	3.1100e-003	0.4629	0.1219	2.8700e-003	0.1248		392.7608	392.7608	0.0104		393.0197
Total	0.3064	1.8066	2.0007	7.7900e-003	0.5572	7.7400e-003	0.5649	0.1499	7.2900e-003	0.1572		794.4104	794.4104	0.0178		794.8563

3.6 Building Construction - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479
Total	1.7136	13.6239	14.2145	0.0250		0.6136	0.6136		0.5880	0.5880		2,289.5233	2,289.5233	0.4330		2,300.3479

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.6 Building Construction - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0416	1.3570	0.5375	3.7600e-003	0.0974	2.8600e-003	0.1002	0.0280	2.7400e-003	0.0307		393.0000	393.0000	6.3800e-003		393.1597
Worker	0.2415	0.1293	1.2956	3.8000e-003	0.4598	3.0200e-003	0.4628	0.1219	2.7800e-003	0.1247		378.1890	378.1890	9.2300e-003		378.4198
Total	0.2831	1.4864	1.8331	7.5600e-003	0.5572	5.8800e-003	0.5631	0.1499	5.5200e-003	0.1555		771.1891	771.1891	0.0156		771.5795

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3929	19.2370	15.9514	0.0250		0.6765	0.6765		0.6765	0.6765	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479
Total	1.3929	19.2370	15.9514	0.0250		0.6765	0.6765		0.6765	0.6765	0.0000	2,289.5233	2,289.5233	0.4330		2,300.3479

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.6 Building Construction - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0416	1.3570	0.5375	3.7600e-003	0.0974	2.8600e-003	0.1002	0.0280	2.7400e-003	0.0307		393.0000	393.0000	6.3800e-003		393.1597
Worker	0.2415	0.1293	1.2956	3.8000e-003	0.4598	3.0200e-003	0.4628	0.1219	2.7800e-003	0.1247		378.1890	378.1890	9.2300e-003		378.4198
Total	0.2831	1.4864	1.8331	7.5600e-003	0.5572	5.8800e-003	0.5631	0.1499	5.5200e-003	0.1555		771.1891	771.1891	0.0156		771.5795

3.7 Paving - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.8802	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.0112	8.6098	11.6840	0.0179		0.4338	0.4338		0.4003	0.4003		1,709.9926	1,709.9926	0.5420		1,723.5414

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.7 Paving - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1006	0.0539	0.5398	1.5800e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		157.5788	157.5788	3.8500e-003		157.6749
Total	0.1006	0.0539	0.5398	1.5800e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		157.5788	157.5788	3.8500e-003		157.6749

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7344	15.6108	12.9737	0.0179		0.5580	0.5580		0.5580	0.5580	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414
Paving	0.1310					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.8654	15.6108	12.9737	0.0179		0.5580	0.5580		0.5580	0.5580	0.0000	1,709.9926	1,709.9926	0.5420		1,723.5414

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.7 Paving - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1006	0.0539	0.5398	1.5800e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		157.5788	157.5788	3.8500e-003		157.6749
Total	0.1006	0.0539	0.5398	1.5800e-003	0.1916	1.2600e-003	0.1929	0.0508	1.1600e-003	0.0520		157.5788	157.5788	3.8500e-003		157.6749

3.8 Architectural Coating - 2023**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	25.9857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	26.1773	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.8 Architectural Coating - 2023**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0252	0.2519	7.4000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		73.5368	73.5368	1.7900e-003		73.5816
Total	0.0470	0.0252	0.2519	7.4000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		73.5368	73.5368	1.7900e-003		73.5816

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	25.9857					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	26.1773	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

3.8 Architectural Coating - 2023**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0470	0.0252	0.2519	7.4000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		73.5368	73.5368	1.7900e-003		73.5816
Total	0.0470	0.0252	0.2519	7.4000e-004	0.0894	5.9000e-004	0.0900	0.0237	5.4000e-004	0.0243		73.5368	73.5368	1.7900e-003		73.5816

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

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2193	0.9964	3.2621	0.0101	0.9784	0.0102	0.9886	0.2615	9.5500e-003	0.2710		1,016.6546	1,016.6546	0.0315		1,017.4432
Unmitigated	0.2193	0.9964	3.2621	0.0101	0.9784	0.0102	0.9886	0.2615	9.5500e-003	0.2710		1,016.6546	1,016.6546	0.0315		1,017.4432

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Government (Civic Center)	100.16	0.00	0.00	330,076	330,076
Parking Lot	0.00	0.00	0.00		
Total	100.16	0.00	0.00	330,076	330,076

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
Government (Civic Center)	14.70	6.60	6.60	75.00	20.00	5.00	100	0	0
Parking Lot	14.70	6.60	6.60	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
Government (Civic Center)	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479
Parking Lot	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479

CCC Greenwood Residential Center - El Dorado-Mountain County County, Winter

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Percent of Electricity Use Generated with Renewable 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

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

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	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					
Government (Civic Center)	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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**

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Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use Low VOC Cleaning Supplies

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Unmitigated	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

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6.2 Area by SubCategory**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1870					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5800e-003	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Total	1.3310	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1424					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.0994					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	1.5800e-003	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387
Total	1.2434	1.5000e-004	0.0170	0.0000		6.0000e-005	6.0000e-005		6.0000e-005	6.0000e-005		0.0363	0.0363	1.0000e-004		0.0387

7.0 Water Detail

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7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

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

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