

Appendix C



Air Quality and Greenhouse Gas Emissions

Art Center

Draft EIR

Appendix C

Air Quality and Greenhouse Gas Worksheets and Modeling Output Files

- Appendix C.1: Construction Emissions Inventory (Daily Emissions)
 - Construction Assumptions
 - CalEEMod Outputs – Construction
 - Localized Significance Threshold (LST) Calculation Worksheet

- Appendix C.2: Operational Emissions Inventory
 - CalEEMod Outputs – Operations (Baseline and Project)
 - Baseline (Existing)
 - Baseline (Buildout Year)
 - Buildout

- Appendix C.3: GHG Modeling Parameters and Summary of Emissions
 - GHG Parameters and Summary
 - CalEEMod Outputs
 - Construction Annual
 - Baseline (Existing
 - Baseline (Buildout Year)
 - Buildout

Arts Center

Draft EIR

Appendix C

Air Quality and Greenhouse Gas Worksheets and Modeling Output Files

- Appendix C.1: Construction Emissions Inventory (Daily Emissions)
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Arts Center
Construction Assumptions - Schedule

Arts Center-Pasadena
Air Quality Analysis Assumptions

Construction Details	Start Date	End Date	Duration (Months)	Days	Max Daily Employee Trips	Max Daily Hauls	Total Hauls	Max Daily Deliveries	Construction (Sq Ft)		
									Residential	Non-Residential	Parking (Sq Ft)
PHASE I (2017-2022)	1/1/18	12/31/2022	60								
Hillside Campus (Phase I)											
Annex Building											
Demolition	1/1/18	1/31/18		26	20	5	60				
Paving/Landscape	2/1/18	2/28/18		24	20			5			25 spaces
Sinclare Pavilion											
Demolition	3/1/18	3/31/18		26	20	5	20				
Building Construction	4/1/18	10/31/18		183	20			5		3,500	
Photovoltaic Canopies	1/1/18	9/30/18		234	20			5			
Circulation and Parking Improvements	1/1/18	6/30/18		155	20			5			
South Campus (Phase I)											
988 South Raymond Building											
Demolition	3/1/18	3/31/18		26	20	5	20				18750 sf
Grading/Excavation	4/1/18	4/30/18		25	26	50	992				
Building Foundation	5/1/18	10/31/18		157	40			40			
Building Construction	11/1/18	10/31/19		312	80			20	150,000		?
Paving/Landscape	11/1/19	11/30/19		25	30			5			
1101 South Arroyo Building									90,000		
Demolition	2/1/21	2/28/21		24	20	5	20				18750 sf
Grading/Excavation	3/1/21	3/31/21		26	26	50	0				
Building Foundation	4/1/21	8/31/21		131	40			40			
Building Construction	9/1/21	8/31/22		312	80			20	90,000		?
Paving/Landscape with Main Quad and Tunnel	8/1/22	11/30/22		104	40			10			
1111 South Arroyo Building Improvements	1/1/22	10/31/22									
950 South Raymond Building Improvements	1/1/22	10/31/22									
PHASE II (2022-2032)	1/1/22	12/31/2032	133								
Hillside Campus (Phase II)											
South Building											
Renovation	1/1/22	1/31/22		26	20	5	60				
Building Construction (Expansion)	2/1/22	7/31/22		155	40			5		15,520	
SOUTH CAMPUS (Phase II)											
888 South Raymond Building and North Quad											
Demolition	8/1/22	8/31/22		26	20	5	80				
Grading/Excavation	9/1/22	10/15/22		38	26	60	2,011				
Building Foundation	10/16/22	5/31/23		195	50			40			
Building Construction	6/1/23	9/30/24		418	100			20		222,000	
Paving/Landscape with North Quad	10/1/24	12/31/24		78	40			10			
	Hillside (Phase I)		South Campus (Phase I)			South Campus (Phase II)					
Demolition Quantities	Annex Building	Sinclair Pavilion	988 South Raymond	1101 South Arroyo	1111 South Arroyo	888 South Raymond	South Building				
Building Square Footage (SF)	17,000	-	-	-	-	11,775					
Parking (SF)	-	-	148 parking spaces								
Import/Export Quantities during Grading	Annex Building	Sinclair Pavilion	988 South Raymond	1101 South Arroyo	1111 South Arroyo	888 South Raymond	South Building				
Import	-	-	-	-	-	-	-				
Export	-	-	13,889	-	-	28,148	-				

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Construction Assumptions - Equipment Mix

		Hillside (Phase I)					South Campus (Phase I)										Hillside Campus (Phase II)		South Campus (Phase II)						
Equipment	Annex Building		Sinclaire Pavilion		Photovoltaic Canopies	Circulation and Parking Improvements	988 South Raymond Building					1101 South Arroyo Building					1111 South Arroyo Building Improvements	950 South Raymond Improvements	South Building		888 South Raymond Building				
	Demo	Paving/Landscape	Demo	Building Construction			Demo	Grading/Excavation	Foundation	Building Construction	Paving/Landscape	Demo	Grading/Excavation	Foundation	Building Construction	Paving/Landscape			Renovation	Building Construction	Demo	Grading/Excavation	Foundation	Building Construction	Paving/Landscape
Air Compressor				1		1							2		1		1		1			2			
Aerial Lift				1		1							2		1		1		1			2			
Bore/Drill Rig							1					1							1						
Cement and Mortar Mixers				1		1			1			2		1			-		-		1		1		
Concrete/Industrial Saws	1		1	-		1	1		1		1		1		1	1	1	1	1	1		1	1		
Cranes (Tower)				-					1			1		1			-		-			1	1		
Cranes (Mobile)				1		1			1			1		1			-		-			1	1		
Crawler Tractors									1			1		1			-		-		1		1		
Crushing/Proc. Equipment																									
Excavators	1		1				1	1					1	1							1	1			
Forklifts				2		1							2	2	2		1	1		1		2	2		
Generator Sets																									
Graders																									
Off-Highway Tractors																									
Water Truck																									
Pavers																									
Paving Equipment		1				1				1					1								1		
Pumps				-				1	1				1	1		-	-	-				1	1		
Plate Compactors				-				2	1				2	1		-	-	-				2	1		
Rollers		1				1				1					1								1		
Rough Terrain Forklifts																									
Rubber Tired Dozers																									
Rubber Tired Loaders	1		1				1	1				1	1						1	1					
Scrapers																									
Signal Boards																									
Skid Steer Loaders		1				1					1				1		1		1				1		
Surfacing Equipment																									
Tractors/Loaders/Backhoes	1		1	1		1					1	1			1	-	-	-			1		1		
Trenchers						1																			
Welders				1				1	1		2				1		1		1		1	1	2		
Other ()																									
Total Pieces	4	3	4	6	5	6	4	5	10	11	5	4	5	10	11	8	4	4	4	4	4	5	10	11	5

Pasadena Arts Center - Los Angeles-South Coast County, Winter

Pasadena Arts Center
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.92	1000sqft	1.05	45,920.00	0
University/College (4Yr)	2,500.00	Student	10.55	536,952.00	0
High Turnover (Sit Down Restaurant)	11.78	1000sqft	0.27	11,780.00	0
Movie Theater (No Matinee)	300.00	Seat	0.15	6,750.00	0
Apartments Mid Rise	380.00	Dwelling Unit	10.00	345,000.00	1087
Enclosed Parking with Elevator	1,171.00	Space	10.54	468,400.00	0
Parking Lot	937.00	Space	8.43	374,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12			Operational Year	2020
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MW hr)	1664.14	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Site Specific
- Construction Phase - Site Specific
- Off-road Equipment -
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
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- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific

Arts Center
CalEEMod Output - Construction (Regional)

Off-road Equipment - Site Specific
 Off-road Equipment - Site Specific
 Off-road Equipment - Site Specific
 Off-road Equipment - Site Specific
 Off-road Equipment - Site Specific
 Off-road Equipment - Site Specific
 Grading -
 Demolition -
 Trips and VMT - Site Specific
 Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	740.00	183.00
tblConstructionPhase	NumDays	50.00	27.00
tblConstructionPhase	NumDays	75.00	25.00
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tblConstructionPhase	NumDays	55.00	156.00
tblConstructionPhase	NumDays	50.00	27.00
tblConstructionPhase	NumDays	740.00	313.00
tblConstructionPhase	NumDays	55.00	26.00
tblConstructionPhase	NumDays	50.00	24.00
tblConstructionPhase	NumDays	75.00	27.00
tblConstructionPhase	NumDays	740.00	313.00
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tblConstructionPhase	NumDays	740.00	260.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

Arts Center
CalEEMod Output - Construction (Regional)

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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	PhaseEndDate	12/31/2017	10/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	1/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	4/30/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/28/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/1/2018
tblGrading	MaterialExported	0.00	13,889.00
tblGrading	MaterialExported	0.00	28,148.00
tblLandUse	BuildingSpaceSquareFeet	459,493.67	536,952.00
tblLandUse	BuildingSpaceSquareFeet	380,000.00	345,000.00
tblLandUse	LandUseSquareFeet	459,493.67	536,952.00
tblLandUse	LandUseSquareFeet	380,000.00	345,000.00
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tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
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tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
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tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
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tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Welders

Arts Center
CalEEMod Output - Construction (Regional)

tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType	Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
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tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders

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CalEEMod Output - Construction (Regional)

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tblOffRoadEquipment	OffRoadEquipmentType			Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType			Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType			Cement and Mortar Mixers
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tblOffRoadEquipment	OffRoadEquipmentType			Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType			Cranes
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tblOffRoadEquipment	OffRoadEquipmentType			Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType			Cranes
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tblOffRoadEquipment	OffRoadEquipmentType			Pumps
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tblOffRoadEquipment	OffRoadEquipmentType			Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType			Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType			Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType			Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType			Pumps
tblOffRoadEquipment	OffRoadEquipmentType			Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType			Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType			Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType			Tractors/Loaders/Backhoes
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Arts Center
CalEEMod Output - Construction (Regional)

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	PhaseName		Hillside-1 Photovoltaic
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tblOffRoadEquipment	PhaseName		Hillside-1 Parking
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tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Annex Paving/Landscape
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Demo
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Demo
tblOffRoadEquipment	PhaseName		South-1 Raymond Demo
tblOffRoadEquipment	PhaseName		South-1 Raymond Demo
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Construction
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Construction
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Construction
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Foundation
tblOffRoadEquipment	PhaseName		South-1 Raymond Foundation
tblOffRoadEquipment	PhaseName		South-1 Raymond Foundation
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tblOffRoadEquipment	PhaseName		South-1 Raymond Foundation
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tblOffRoadEquipment	PhaseName		South-1 Raymond Building
tblOffRoadEquipment	PhaseName		South-1 Raymond Building
tblOffRoadEquipment	PhaseName		South-1 Raymond Paving
tblOffRoadEquipment	PhaseName		South-1 Raymond Paving
tblOffRoadEquipment	PhaseName		South-1 Raymond Paving
tblOffRoadEquipment	PhaseName		South-1 Arroyo Demo
tblOffRoadEquipment	PhaseName		South-1 Arroyo Demo
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading

Arts Center
CalEEMod Output - Construction (Regional)

tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
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tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	HaulingTripNumber	77.00	135.00
tblTripsAndVMT	HaulingTripNumber	1,736.00	1,250.00
tblTripsAndVMT	HaulingTripNumber	114.00	480.00
tblTripsAndVMT	HaulingTripNumber	54.00	135.00
tblTripsAndVMT	HaulingTripNumber	45.00	135.00
tblTripsAndVMT	HaulingTripNumber	114.00	135.00
tblTripsAndVMT	HaulingTripNumber	0.00	1,350.00
tblTripsAndVMT	HaulingTripNumber	3,519.00	2,340.00
tblTripsAndVMT	VendorTripNumber	277.00	20.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	277.00	20.00
tblTripsAndVMT	VendorTripNumber	277.00	20.00
tblTripsAndVMT	VendorTripNumber	277.00	10.00
tblTripsAndVMT	VendorTripNumber	277.00	10.00
tblTripsAndVMT	VendorTripNumber	277.00	5.00
tblTripsAndVMT	VendorTripNumber	277.00	5.00
tblTripsAndVMT	VendorTripNumber	277.00	20.00
tblTripsAndVMT	VendorTripNumber	277.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	10.00
tblTripsAndVMT	VendorTripNumber	0.00	5.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	175.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	26.00
tblTripsAndVMT	WorkerTripNumber	8.00	20.00
tblTripsAndVMT	WorkerTripNumber	876.00	80.00
tblTripsAndVMT	WorkerTripNumber	876.00	80.00
tblTripsAndVMT	WorkerTripNumber	876.00	60.00
tblTripsAndVMT	WorkerTripNumber	876.00	60.00
tblTripsAndVMT	WorkerTripNumber	876.00	20.00

Arts Center
CalEEMod Output - Construction (Regional)

tblTripsAndVMT	WorkerTripNumber	876.00	60.00
tblTripsAndVMT	WorkerTripNumber	876.00	100.00
tblTripsAndVMT	WorkerTripNumber	876.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	10.00	20.00
tblTripsAndVMT	WorkerTripNumber	13.00	26.00
tblTripsAndVMT	WorkerTripNumber	13.00	26.00
tblTripsAndVMT	WorkerTripNumber	13.00	30.00
tblTripsAndVMT	WorkerTripNumber	13.00	40.00
tblTripsAndVMT	WorkerTripNumber	30.00	20.00
tblTripsAndVMT	WorkerTripNumber	23.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	40.00
tblTripsAndVMT	WorkerTripNumber	23.00	50.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	8.5764	86.2005	58.0551	0.1441	2.4091	4.0082	5.9199	0.5594	3.8325	4.2579		14,545.1154				14,607.7635
2019	3.7538	26.4177	26.7724	0.0514	1.0223	1.4534	2.4756	0.2740	1.4215	1.6956		4,893.6681				4,908.4444
2021	3.0973	29.0594	25.5492	0.0703	1.5986	1.0883	2.1353	0.3167	1.0645	1.3385		7,221.3979				7,250.5419
2022	7.3061	51.2604	66.0160	0.1309	3.2319	2.3483	5.5426	0.8537	2.2946	3.1483		13,129.7576				13,174.2158
2023	2.7556	19.1953	25.3761	0.0519	1.2458	0.8275	2.0733	0.3333	0.8094	1.1427		4,927.6100				4,940.3156
2024	2.5974	18.1965	25.0634	0.0515	1.2458	0.7269	1.9727	0.3333	0.7107	1.0440		4,894.6948				4,907.1430
Maximum	8.5764	86.2005	66.0160	0.1441	3.2319	4.0082	5.9199	0.8537	3.8325	4.2579		14,545.1154				14,607.7635

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					
2018	8.5764	86.2005	58.0551	0.1441	2.0520	4.0082	5.8547	0.5536	3.8325	4.2579		14,545.1154				14,607.7635
2019	3.7538	26.4177	26.7724	0.0514	1.0223	1.4534	2.4756	0.2740	1.4215	1.6956		4,893.6681				4,908.4444
2021	3.0973	29.0594	25.5492	0.0703	1.1649	1.0883	2.1106	0.3167	1.0645	1.3385		7,221.3979				7,250.5419
2022	7.3061	51.2604	66.0160	0.1309	3.1943	2.3483	5.5426	0.8537	2.2946	3.1483		13,129.7576				13,174.2158

Arts Center
CalEEMod Output - Construction (Regional)

2023	2.7556	19.1953	25.3761	0.0519	1.2458	0.8275	2.0733	0.3333	0.8094	1.1427		4,927.610				4,940.315
2024	2.5974	18.1965	25.0634	0.0515	1.2458	0.7269	1.9727	0.3333	0.7107	1.0440		4,894.694				4,907.143
Maximum	8.5764	86.2005	66.0160	0.1441	3.1943	4.0082	5.8547	0.8537	3.8325	4.2579		14,545.11				14,607.76

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	7.70	0.00	0.45	0.22	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	Architectural Coating	Architectural Coating	1/1/2018	12/31/2017	6	55	
2	Hillside-1 Annex Demo	Demolition	1/1/2018	1/31/2018	6	27	
3	Hillside-1 Photovoltaic	Building Construction	1/1/2018	9/30/2018	6	234	
4	Hillside-1 Parking	Paving	1/1/2018	6/30/2018	6	156	
5	Hillside-1 Annex Paving/Landscaping	Paving	2/1/2018	2/28/2018	6	24	
6	Hillside-1 Sinclair Demo	Demolition	3/1/2018	3/31/2018	6	27	
7	South-1 Raymond Demo	Demolition	3/1/2018	3/31/2018	6	27	
8	Hillside-1 Sinclair Construction	Building Construction	4/1/2018	10/31/2018	6	183	
9	South-1 Raymond Grading	Grading	4/1/2018	4/30/2018	6	25	
10	South-1 Raymond Foundation	Trenching	5/1/2018	10/31/2018	6	158	
11	South-1 Raymond Building	Building Construction	11/1/2018	10/31/2019	6	313	
12	South-1 Raymond Paving	Paving	11/1/2019	11/30/2019	6	26	
13	South-1 Arroyo Demo	Demolition	2/1/2021	2/28/2021	6	24	
14	South-1 Arroyo Grading	Grading	3/1/2021	3/31/2021	6	27	
15	South-1 Arroyo Foundation	Trenching	4/1/2021	8/31/2021	6	131	
16	South-1 Arroyo Construction	Building Construction	9/1/2021	8/31/2022	6	313	
17	South-1 1111 Arroyo	Building Construction	1/1/2022	10/31/2022	6	260	
18	South-1 950 Raymond	Building Construction	1/1/2022	10/31/2022	6	260	
19	Hillside-2 South Building	Building Construction	1/1/2022	1/31/2022	6	26	
20	Hillside-2 South Building	Building Construction	2/1/2022	7/31/2022	6	155	
21	South-2 Raymond & North Quad	Demolition	8/1/2022	8/31/2022	6	27	
22	South-2 Raymond & North Quad	Grading	9/1/2022	10/15/2022	6	39	
23	South-2 Raymond & North Quad	Trenching	10/16/2022	5/31/2023	6	195	
24	South-2 Raymond & North Quad	Building Construction	6/1/2023	9/30/2024	6	418	
25	South-2 Raymond & North Quad	Paving	10/1/2024	12/31/2024	6	79	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 18.97

Residential Indoor: 698,625; Residential Outdoor: 232,875; Non-Residential Indoor: 902,103; Non-Residential Outdoor: 300,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
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Arts Center
CalEEMod Output - Construction (Regional)

Hillside-1 Parking	Cement and Mortar Mixers	1	8.00	9	0.56
Hillside-1 Parking	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-1 Parking	Paving Equipment	1	8.00	132	0.36
Hillside-1 Parking	Rollers	1	8.00	80	0.38
Hillside-1 Parking	Skid Steer Loaders	1	8.00	65	0.37
Hillside-1 Parking	Trenchers	1	8.00	78	0.50
Hillside-1 Annex Paving/Landscape	Skid Steer Loaders	1	8.00	65	0.37
Hillside-1 Sinclare Demo	Rubber Tired Loaders	1	8.00	203	0.36
Hillside-1 Sinclare Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Raymond Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Raymond Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Hillside-1 Sinclare Construction	Air Compressors	1	8.00	78	0.48
Hillside-1 Sinclare Construction	Aerial Lifts	1	8.00	63	0.31
Hillside-1 Sinclare Construction	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Grading	Bore/Drill Rigs	1	8.00	221	0.50
South-1 Raymond Grading	Cranes	1	8.00	231	0.29
South-1 Raymond Grading	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Raymond Grading	Welders	1	8.00	46	0.45
South-1 Raymond Foundation	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Foundation	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Foundation	Cranes	1	4.00	231	0.29
South-1 Raymond Foundation	Forklifts	2	8.00	89	0.20
South-1 Raymond Foundation	Pumps	1	8.00	84	0.74
South-1 Raymond Foundation	Plate Compactors	2	8.00	8	0.43
South-1 Raymond Foundation	Welders	1	8.00	46	0.45
South-1 Raymond Building	Air Compressors	2	8.00	78	0.48
South-1 Raymond Building	Aerial Lifts	2	8.00	63	0.31
South-1 Raymond Building	Cement and Mortar Mixers	2	8.00	9	0.56
South-1 Raymond Building	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Building	Pumps	1	8.00	84	0.74
South-1 Raymond Building	Plate Compactors	1	8.00	8	0.43
South-1 Raymond Paving	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Paving	Plate Compactors	1	8.00	8	0.43
South-1 Raymond Paving	Skid Steer Loaders	1	8.00	65	0.37
South-1 Raymond Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Arroyo Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Grading	Bore/Drill Rigs	1	8.00	221	0.50
South-1 Arroyo Grading	Cranes	1	8.00	231	0.29
South-1 Arroyo Grading	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Arroyo Grading	Welders	1	8.00	46	0.45
South-1 Arroyo Foundation	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Arroyo Foundation	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Arroyo Foundation	Cranes	1	4.00	231	0.29
South-1 Arroyo Foundation	Forklifts	2	8.00	89	0.20
South-1 Arroyo Foundation	Pumps	1	8.00	84	0.74
South-1 Arroyo Foundation	Plate Compactors	2	8.00	8	0.43
South-1 Arroyo Foundation	Welders	1	8.00	46	0.45

Arts Center
CalEEMod Output - Construction (Regional)

Hillside-2 South Building Construction	Generator Sets	0	8.00	84	0.74
South-2 Raymond & North Quad Construction	Generator Sets	0	8.00	84	0.74
Hillside-1 Photovoltaic	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Grading	Graders	0	8.00	187	0.41
South-2 Raymond & North Quad Grading	Graders	0	8.00	187	0.41
South-1 Raymond Paving	Pavers	0	8.00	130	0.42
South-2 Raymond & North Quad Paving	Pavers	0	8.00	130	0.42
Hillside-1 Parking	Pavers	0	8.00	130	0.42
South-1 Raymond Paving	Paving Equipment	1	8.00	132	0.36
South-2 Raymond & North Quad Paving	Paving Equipment	1	8.00	132	0.36
Hillside-1 Parking	Paving Equipment	0	8.00	132	0.36
South-1 Raymond Paving	Rollers	0	8.00	80	0.38
South-2 Raymond & North Quad Paving	Rollers	1	8.00	80	0.38
Hillside-1 Parking	Rollers	0	8.00	80	0.38
South-1 Arroyo Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-2 Raymond & North Quad Demo	Rubber Tired Dozers	0	8.00	247	0.40
Hillside-1 Sinclair Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Raymond Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Arroyo Grading	Rubber Tired Dozers	0	8.00	247	0.40
South-2 Raymond & North Quad Grading	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Arroyo Grading	Scrapers	0	8.00	367	0.48
South-2 Raymond & North Quad Grading	Scrapers	0	8.00	367	0.48
South-1 Raymond Building	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 Arroyo Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 1111 Arroyo Improvements	Tractors/Loaders/Backhoes	0	7.00	97	0.37
South-1 950 Raymond Improvements	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-2 South Building Renovation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-2 South Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
South-2 Raymond & North Quad Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-1 Photovoltaic	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-2 Raymond & North Quad Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 Raymond Building	Welders	2	8.00	46	0.45
South-1 Arroyo Construction	Welders	2	8.00	46	0.45
South-1 1111 Arroyo Improvements	Welders	1	8.00	46	0.45
South-1 950 Raymond Improvements	Welders	1	8.00	46	0.45
Hillside-2 South Building Renovation	Welders	1	8.00	46	0.45
Hillside-2 South Building Construction	Welders	1	8.00	46	0.45
South-2 Raymond & North Quad Construction	Welders	2	8.00	46	0.45
Hillside-1 Photovoltaic	Welders	0	8.00	46	0.45
Hillside-1 Annex Demo	Rubber Tired Loaders	1	8.00	203	0.36
Hillside-1 Annex Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Hillside-1 Photovoltaic	Air Compressors	1	8.00	78	0.48
Hillside-1 Photovoltaic	Aerial Lifts	1	8.00	63	0.31
Hillside-1 Photovoltaic	Cement and Mortar Mixers	1	8.00	9	0.56
Hillside-1 Photovoltaic	Concrete/Industrial Saws	1	8.00	81	0.73
Architectural Coating	Air Compressors	1	6.00	78	0.48
Hillside-1 Annex Demo	Excavators	1	8.00	158	0.38

Arts Center
CalEEMod Output - Construction (Regional)

Hillside-1 Annex Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Grading	Excavators	1	8.00	158	0.38
Hillside-1 Sinclare Construction	Cranes	1	4.00	231	0.29
Hillside-1 Sinclare Construction	Forklifts	2	8.00	89	0.20
Hillside-1 Sinclare Construction	Generator Sets	0	8.00	84	0.74
Hillside-1 Annex Paving/Landscape	Pavers	0	8.00	130	0.42
Hillside-1 Annex Paving/Landscape	Rollers	1	8.00	80	0.38
Hillside-1 Annex Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Raymond Grading	Rubber Tired Dozers	0	8.00	247	0.40
Hillside-1 Sinclare Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Raymond Grading	Graders	0	8.00	187	0.41
South-1 Raymond Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hillside-1 Annex Paving/Landscape	Paving Equipment	1	8.00	132	0.36
South-1 Arroyo Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-2 Raymond & North Quad Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Grading	Scrapers	0	8.00	367	0.48
Hillside-1 Sinclare Construction	Welders	1	8.00	46	0.45
Hillside-1 Sinclare Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Building	Cranes	1	4.00	231	0.29
South-1 Arroyo Construction	Cranes	1	4.00	231	0.29
South-1 1111 Arroyo Improvements	Cranes	0	7.00	231	0.29
South-1 950 Raymond Improvements	Cranes	0	7.00	231	0.29
Hillside-2 South Building Renovation	Cranes	0	7.00	231	0.29
Hillside-2 South Building Construction	Cranes	1	4.00	231	0.29
South-2 Raymond & North Quad	Cranes	1	4.00	231	0.29
Hillside-1 Photovoltaic	Cranes	1	4.00	231	0.29
South-1 Arroyo Demo	Excavators	1	8.00	158	0.38
South-2 Raymond & North Quad Demo	Excavators	1	8.00	158	0.38
Hillside-1 Sinclare Demo	Excavators	1	8.00	158	0.38
South-1 Raymond Demo	Excavators	1	8.00	158	0.38
South-1 Arroyo Grading	Excavators	1	8.00	158	0.38
South-2 Raymond & North Quad	Excavators	1	8.00	158	0.38
South-1 Raymond Building	Forklifts	2	8.00	89	0.20
South-1 Arroyo Construction	Forklifts	2	8.00	89	0.20
South-1 1111 Arroyo Improvements	Forklifts	1	8.00	89	0.20
South-1 950 Raymond Improvements	Forklifts	1	8.00	89	0.20
Hillside-2 South Building Renovation	Forklifts	1	8.00	89	0.20
Hillside-2 South Building Construction	Forklifts	1	8.00	89	0.20
South-2 Raymond & North Quad	Forklifts	2	8.00	89	0.20
Hillside-1 Photovoltaic	Forklifts	1	8.00	89	0.20
South-1 Raymond Building	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Construction	Generator Sets	0	8.00	84	0.74
South-1 1111 Arroyo Improvements	Generator Sets	0	8.00	84	0.74
South-1 950 Raymond Improvements	Generator Sets	0	8.00	84	0.74
Hillside-2 South Building Renovation	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Construction	Air Compressors	2	8.00	78	0.48
South-1 Arroyo Construction	Aerial Lifts	2	8.00	63	0.31

Arts Center
CalEEMod Output - Construction (Regional)

South-1 Arroyo Construction	Cement and Mortar Mixers	2	8.00	9	0.56
South-1 Arroyo Construction	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Arroyo Construction	Pumps	1	8.00	84	0.74
South-1 Arroyo Construction	Plate Compactors	1	8.00	8	0.43
South-1 1111 Arroyo Improvements	Air Compressors	1	8.00	78	0.48
South-1 1111 Arroyo Improvements	Aerial Lifts	1	8.00	63	0.31
South-1 1111 Arroyo Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 1111 Arroyo Improvements	Skid Steer Loaders	1	8.00	65	0.37
South-1 950 Raymond Improvements	Air Compressors	1	8.00	78	0.48
South-1 950 Raymond Improvements	Aerial Lifts	1	8.00	63	0.31
South-1 950 Raymond Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 950 Raymond Improvements	Skid Steer Loaders	1	8.00	65	0.37
Hillside-2 South Building Renovation	Air Compressors	1	8.00	78	0.48
Hillside-2 South Building Renovation	Aerial Lifts	1	8.00	63	0.31
Hillside-2 South Building Renovation	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-2 South Building Renovation	Skid Steer Loaders	1	8.00	65	0.37
Hillside-2 South Building Construction	Air Compressors	1	8.00	78	0.48
Hillside-2 South Building Construction	Aerial Lifts	1	8.00	63	0.31
Hillside-2 South Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-2 South Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
South-2 Raymond & North Quad Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-2 Raymond & North Quad Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-2 Raymond & North Quad	Bore/Drill Rigs	1	8.00	221	0.50
Grading South-2 Raymond & North Quad	Cranes	1	8.00	231	0.29
Grading South-2 Raymond & North Quad	Rubber Tired Loaders	1	8.00	203	0.36
Grading South-2 Raymond & North Quad	Welders	1	8.00	46	0.45
Grading South-2 Raymond & North Quad	Cement and Mortar Mixers	1	8.00	9	0.56
Foundation South-2 Raymond & North Quad	Concrete/Industrial Saws	1	8.00	81	0.73
Foundation South-2 Raymond & North Quad	Cranes	1	4.00	231	0.29
Foundation South-2 Raymond & North Quad	Forklifts	2	8.00	89	0.20
Foundation South-2 Raymond & North Quad	Pumps	1	8.00	84	0.74
Foundation South-2 Raymond & North Quad	Plate Compactors	2	8.00	8	0.43
Foundation South-2 Raymond & North Quad	Welders	1	8.00	46	0.45
Foundation South-2 Raymond & North Quad	Air Compressors	2	8.00	78	0.48
Construction South-2 Raymond & North Quad	Aerial Lifts	2	8.00	63	0.31
Construction South-2 Raymond & North Quad	Cement and Mortar Mixers	2	8.00	9	0.56
Construction South-2 Raymond & North Quad	Concrete/Industrial Saws	1	8.00	81	0.73
Construction South-2 Raymond & North Quad	Pumps	1	8.00	84	0.74
Construction South-2 Raymond & North Quad	Plate Compactors	1	8.00	8	0.43
Construction South-2 Raymond & North Quad	Cement and Mortar Mixers	1	8.00	9	0.56
Revised South-2 Raymond & North Quad	Skid Steer Loaders	1	8.00	65	0.37
Revised South-2 Raymond & North Quad	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Arts Center
CalEEMod Output - Construction (Regional)

Hillside-1 Sinclair	8	20.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction Hillside-1 Annex	4	20.00	0.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo South-1 Raymond	5	26.00	0.00	1,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading Hillside-1 Annex	3	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paint and Landscaping South-1 Raymond	14	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction South-1 Arroyo	14	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Construction South-1 1111 Arroyo	6	60.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Improvements South-1 950 Raymond	6	60.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Improvements Hillside-2 South	6	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Renovation Hillside-2 South	7	60.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction South-2 Raymond &	14	100.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
North Quad Hillside-1 Photovoltaic	6	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Arroyo Demo	4	20.00	0.00	480.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-2 Raymond & North Quad Demo	4	20.00	0.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Sinclair	4	20.00	0.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo South-1 Raymond	4	20.00	0.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demo South-1 Arroyo	5	26.00	0.00	1,350.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading South-2 Raymond &	5	26.00	0.00	2,340.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
North Quad Grading South-1 Raymond	5	30.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Painting South-2 Raymond &	5	40.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
North Quad Painting Hillside-1 Parking	12	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond	9	40.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundation South-1 Arroyo	9	40.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundation South-2 Raymond & North Quad	9	50.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area
Clean Paved Roads

3.3 Hillside-1 Annex Demo - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6198	0.0000	0.6198	0.0938	0.0000	0.0938						0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881				2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.6198	0.7840	1.4038	0.0938	0.7427	0.8365		2,053.8881				2,066.4078

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					

Arts Center
CalEEMod Output - Construction (Regional)

Hauling	0.0509	1.6374	0.3576	3.9800e-003	0.0874	6.2600e-003	0.0937	0.0240	5.9900e-003	0.0300		430.4816				431.2645
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
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1732	1.7298	1.3521	6.3500e-003	0.3110	8.2500e-003	0.3192	0.0833	7.8300e-003	0.0911		666.5968				667.6018

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					0.2417	0.0000	0.2417	0.0366	0.0000	0.0366							0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881					2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.2417	0.7840	1.0257	0.0366	0.7427	0.7793		2,053.8881					2,066.4078

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	0.0509	1.6374	0.3576	3.9800e-003	0.0874	6.2600e-003	0.0937	0.0240	5.9900e-003	0.0300		430.4816				431.2645
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
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1732	1.7298	1.3521	6.3500e-003	0.3110	8.2500e-003	0.3192	0.0833	7.8300e-003	0.0911		666.5968				667.6018

3.4 Hillside-1 Photovoltaic - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7479	15.2829	12.4044	0.0201		0.9614	0.9614		0.9231	0.9231		1,944.2521				1,953.6273
Total	1.7479	15.2829	12.4044	0.0201		0.9614	0.9614		0.9231	0.9231		1,944.2521				1,953.6273

Unmitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Regional)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Vendor	0.0240	0.6142	0.1842	1.2900e-003	0.0320	4.3900e-003	0.0364	9.2200e-003	4.2000e-003	0.0134		137.0749				137.3222
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1463	0.7065	1.1787	3.6600e-003	0.2556	6.3800e-003	0.2620	0.0685	6.0400e-003	0.0745		373.1901				373.6595

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	1.7479	15.2829	12.4044	0.0201		0.9614	0.9614		0.9231	0.9231		1,944.2521				1,953.6273
Total	1.7479	15.2829	12.4044	0.0201		0.9614	0.9614		0.9231	0.9231		1,944.2521				1,953.6273

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
Vendor	0.0240	0.6142	0.1842	1.2900e-003	0.0320	4.3900e-003	0.0364	9.2200e-003	4.2000e-003	0.0134		137.0749				137.3222
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1463	0.7065	1.1787	3.6600e-003	0.2556	6.3800e-003	0.2620	0.0685	6.0400e-003	0.0745		373.1901				373.6595

3.5 Hillside-1 Parking - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6180	14.7170	12.5477	0.0191		0.9520	0.9520		0.8984	0.8984		1,864.5731				1,875.3573
Paving	0.1416					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.7596	14.7170	12.5477	0.0191		0.9520	0.9520		0.8984	0.8984		1,864.5731				1,875.3573

Arts Center
CalEEMod Output - Construction (Regional)

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
Vendor	0.0240	0.6142	0.1842	1.2900e-003	0.0320	4.3900e-003	0.0364	9.2200e-003	4.2000e-003	0.0134		137.0749				137.3222
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1463	0.7065	1.1787	3.6600e-003	0.2556	6.3800e-003	0.2620	0.0685	6.0400e-003	0.0745		373.1901				373.6595

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	1.6180	14.7170	12.5477	0.0191		0.9520	0.9520		0.8984	0.8984		1,864.5731				1,875.3573
Paving	0.1416					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.7596	14.7170	12.5477	0.0191		0.9520	0.9520		0.8984	0.8984		1,864.5731				1,875.3573

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
Vendor	0.0240	0.6142	0.1842	1.2900e-003	0.0320	4.3900e-003	0.0364	9.2200e-003	4.2000e-003	0.0134		137.0749				137.3222
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1463	0.7065	1.1787	3.6600e-003	0.2556	6.3800e-003	0.2620	0.0685	6.0400e-003	0.0745		373.1901				373.6595

3.6 Hillside-1 Annex Paving/Landscape - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5872	6.3651	5.8637	8.7600e-003		0.3611	0.3611		0.3322	0.3322		881.7941				888.6570
Paving	0.9203					0.0000	0.0000		0.0000	0.0000						0.0000

Arts Center
CalEEMod Output - Construction (Regional)

Total	1.5075	6.3651	5.8637	8.7600e-003		0.3611	0.3611		0.3322	0.3322		881.7941				888.6570
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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
Vendor	0.0240	0.6142	0.1842	1.2900e-003	0.0320	4.3900e-003	0.0364	9.2200e-003	4.2000e-003	0.0134		137.0749				137.3222
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1463	0.7065	1.1787	3.6600e-003	0.2556	6.3800e-003	0.2620	0.0685	6.0400e-003	0.0745		373.1901				373.6595

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	0.5872	6.3651	5.8637	8.7600e-003		0.3611	0.3611		0.3322	0.3322		881.7941				888.6570
Paving	0.9203					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.5075	6.3651	5.8637	8.7600e-003		0.3611	0.3611		0.3322	0.3322		881.7941				888.6570

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
Vendor	0.0240	0.6142	0.1842	1.2900e-003	0.0320	4.3900e-003	0.0364	9.2200e-003	4.2000e-003	0.0134		137.0749				137.3222
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1463	0.7065	1.1787	3.6600e-003	0.2556	6.3800e-003	0.2620	0.0685	6.0400e-003	0.0745		373.1901				373.6595

3.7 Hillside-1 Sinclair Demo - 2018

Unmitigated Construction On-Site

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

Arts Center
CalEEMod Output - Construction (Regional)

Fugitive Dust					0.3646	0.0000	0.3646	0.0552	0.0000	0.0552						0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208			0.7840	0.7840		0.7427	0.7427		2,053.888			2,066.407
Total	1.5044	14.9655	11.0719	0.0208	0.3646	0.7840	1.1486	0.0552	0.7427	0.7979			2,053.888			2,066.407

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	0.0509	1.6374	0.3576	3.9800e-003	0.0874	6.2600e-003	0.0937	0.0240	5.9900e-003	0.0300		430.4816				431.2645
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
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1732	1.7298	1.3521	6.3500e-003	0.3110	8.2500e-003	0.3192	0.0833	7.8300e-003	0.0911		666.5968				667.6018

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					0.1422	0.0000	0.1422	0.0215	0.0000	0.0215						0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.888				2,066.407
Total	1.5044	14.9655	11.0719	0.0208	0.1422	0.7840	0.9262	0.0215	0.7427	0.7642		2,053.888				2,066.407

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	0.0509	1.6374	0.3576	3.9800e-003	0.0874	6.2600e-003	0.0937	0.0240	5.9900e-003	0.0300		430.4816				431.2645
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
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1732	1.7298	1.3521	6.3500e-003	0.3110	8.2500e-003	0.3192	0.0833	7.8300e-003	0.0911		666.5968				667.6018

3.8 South-1 Raymond Demo - 2018

Unmitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Regional)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.9114	0.0000	0.9114	0.1380	0.0000	0.1380							0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881					2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.9114	0.7840	1.6955	0.1380	0.7427	0.8807		2,053.8881					2,066.4078

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	0.0509	1.6374	0.3576	3.9800e-003	0.0874	6.2600e-003	0.0937	0.0240	5.9900e-003	0.0300		430.4816				431.2645
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
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1732	1.7298	1.3521	6.3500e-003	0.3110	8.2500e-003	0.3192	0.0833	7.8300e-003	0.0911		666.5968				667.6018

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					0.3555	0.0000	0.3555	0.0538	0.0000	0.0538							0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881					2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.3555	0.7840	1.1395	0.0538	0.7427	0.7965		2,053.8881					2,066.4078

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	0.0509	1.6374	0.3576	3.9800e-003	0.0874	6.2600e-003	0.0937	0.0240	5.9900e-003	0.0300		430.4816				431.2645
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
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.1732	1.7298	1.3521	6.3500e-003	0.3110	8.2500e-003	0.3192	0.0833	7.8300e-003	0.0911		666.5968				667.6018

3.9 Hillside-1 Sinclair Construction - 2018

Arts Center
CalEEMod Output - Construction (Regional)

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	1.8484	14.6244	11.7506	0.0180		0.9336	0.9336		0.8853	0.8853		1,712.8528				1,723.2725
Total	1.8484	14.6244	11.7506	0.0180		0.9336	0.9336		0.8853	0.8853		1,712.8528				1,723.2725

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
Vendor	0.0959	2.4567	0.7367	5.1500e-003	0.1280	0.0176	0.1456	0.0369	0.0168	0.0537		548.2997				549.2887
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373
Total	0.2182	2.5491	1.7312	7.5200e-003	0.3516	0.0195	0.3711	0.0962	0.0186	0.1148		784.4149				785.6261

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	1.8484	14.6244	11.7506	0.0180		0.9336	0.9336		0.8853	0.8853		1,712.8528				1,723.2725
Total	1.8484	14.6244	11.7506	0.0180		0.9336	0.9336		0.8853	0.8853		1,712.8528				1,723.2725

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
Vendor	0.0959	2.4567	0.7367	5.1500e-003	0.1280	0.0176	0.1456	0.0369	0.0168	0.0537		548.2997				549.2887
Worker	0.1223	0.0923	0.9945	2.3700e-003	0.2236	1.9900e-003	0.2256	0.0593	1.8400e-003	0.0611		236.1152				236.3373

Arts Center
CalEEMod Output - Construction (Regional)

Total	0.2182	2.5491	1.7312	7.5200e-003	0.3516	0.0195	0.3711	0.0962	0.0186	0.1148		784.4149				785.6261
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3.10 South-1 Raymond Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.0628	0.0000	0.0628	9.5100e-003	0.0000	9.5100e-003							0.0000
Off-Road	2.0327	21.1197	11.4837	0.0291		0.8581	0.8581		0.7985	0.7985		2,880.8766					2,902.6781
Total	2.0327	21.1197	11.4837	0.0291	0.0628	0.8581	0.9209	9.5100e-003	0.7985	0.8080		2,880.8766					2,902.6781

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	0.5088	16.3745	3.5756	0.0399	0.8742	0.0626	0.9368	0.2396	0.0599	0.2995		4,304.8158				4,312.6447
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
Worker	0.1590	0.1200	1.2929	3.0900e-003	0.2906	2.5900e-003	0.2932	0.0771	2.3900e-003	0.0795		306.9498				307.2385
Total	0.6678	16.4945	4.8685	0.0429	1.1648	0.0652	1.2300	0.3167	0.0623	0.3790		4,611.7656				4,619.8832

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					0.0245	0.0000	0.0245	3.7100e-003	0.0000	3.7100e-003						0.0000
Off-Road	2.0327	21.1197	11.4837	0.0291		0.8581	0.8581		0.7985	0.7985		2,880.8766				2,902.6781
Total	2.0327	21.1197	11.4837	0.0291	0.0245	0.8581	0.8826	3.7100e-003	0.7985	0.8022		2,880.8766				2,902.6781

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	0.5088	16.3745	3.5756	0.0399	0.8742	0.0626	0.9368	0.2396	0.0599	0.2995		4,304.8158				4,312.6447

Arts Center
CalEEMod Output - Construction (Regional)

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1590	0.1200	1.2929	3.0900e-003	0.2906	2.5900e-003	0.2932	0.0771	2.3900e-003	0.0795		306.9498				307.2385
Total	0.6678	16.4945	4.8685	0.0429	1.1648	0.0652	1.2300	0.3167	0.0623	0.3790		4,611.7656				4,619.8832

3.11 South-1 Raymond Foundation - 2018
Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2734	17.2018	13.8012	0.0230		1.0897	1.0897		1.0578	1.0578		2,140.5263				2,148.8101
Total	2.2734	17.2018	13.8012	0.0230		1.0897	1.0897		1.0578	1.0578		2,140.5263				2,148.8101

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
Vendor	0.1918	4.9134	1.4734	0.0103	0.2561	0.0351	0.2912	0.0737	0.0336	0.1073		1,096.5994				1,098.5775
Worker	0.2446	0.1847	1.9891	4.7500e-003	0.4471	3.9900e-003	0.4511	0.1186	3.6800e-003	0.1223		472.2304				472.6747
Total	0.4364	5.0981	3.4624	0.0151	0.7032	0.0391	0.7423	0.1923	0.0373	0.2296		1,568.8298				1,571.2522

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2734	17.2018	13.8012	0.0230		1.0897	1.0897		1.0578	1.0578		2,140.5263				2,148.8101
Total	2.2734	17.2018	13.8012	0.0230		1.0897	1.0897		1.0578	1.0578		2,140.5263				2,148.8101

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
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Arts Center
CalEEMod Output - Construction (Regional)

Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
Vendor	0.1918	4.9134	1.4734	0.0103	0.2561	0.0351	0.2912	0.0737	0.0336	0.1073		1,096.5994				1,098.5775
Worker	0.2446	0.1847	1.9891	4.7500e-003	0.4471	3.9900e-003	0.4511	0.1186	3.6800e-003	0.1223		472.2304				472.6747
Total	0.4364	5.0981	3.4624	0.0151	0.7032	0.0391	0.7423	0.1923	0.0373	0.2296		1,568.8298				1,571.2522

3.12 South-1 Raymond Building - 2018

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	3.6142	25.7710	22.8843	0.0371		1.6488	1.6488		1.6137	1.6137		3,452.4582				3,466.1911
Total	3.6142	25.7710	22.8843	0.0371		1.6488	1.6488		1.6137	1.6137		3,452.4582				3,466.1911

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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
Vendor	0.0959	2.4567	0.7367	5.1500e-003	0.1280	0.0176	0.1456	0.0369	0.0168	0.0537		548.2997				549.2887
Worker	0.4892	0.3694	3.9782	9.4900e-003	0.8942	7.9700e-003	0.9022	0.2372	7.3500e-003	0.2445		944.4608				945.3494
Total	0.5851	2.8261	4.7148	0.0146	1.0223	0.0255	1.0478	0.2740	0.0241	0.2982		1,492.7605				1,494.6381

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	3.6142	25.7710	22.8843	0.0371		1.6488	1.6488		1.6137	1.6137		3,452.4582				3,466.1911
Total	3.6142	25.7710	22.8843	0.0371		1.6488	1.6488		1.6137	1.6137		3,452.4582				3,466.1911

Mitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Regional)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Vendor	0.0959	2.4567	0.7367	5.1500e-003	0.1280	0.0176	0.1456	0.0369	0.0168	0.0537		548.2997				549.2887
Worker	0.4892	0.3694	3.9782	9.4900e-003	0.8942	7.9700e-003	0.9022	0.2372	7.3500e-003	0.2445		944.4608				945.3494
Total	0.5851	2.8261	4.7148	0.0146	1.0223	0.0255	1.0478	0.2740	0.0241	0.2982		1,492.7605				1,494.6381

3.12 South-1 Raymond Building - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2241	23.7747	22.5556	0.0371		1.4307	1.4307		1.4001	1.4001		3,437.4092				3,450.4468
Total	3.2241	23.7747	22.5556	0.0371		1.4307	1.4307		1.4001	1.4001		3,437.4092				3,450.4468

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
Vendor	0.0867	2.3177	0.6770	5.0900e-003	0.1280	0.0150	0.1430	0.0369	0.0144	0.0512		542.5542				543.5071
Worker	0.4430	0.3253	3.5398	9.1800e-003	0.8942	7.7100e-003	0.9019	0.2372	7.1100e-003	0.2443		913.7047				914.4905
Total	0.5297	2.6430	4.2168	0.0143	1.0223	0.0227	1.0450	0.2740	0.0215	0.2955		1,456.2589				1,457.9975

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	3.2241	23.7747	22.5556	0.0371		1.4307	1.4307		1.4001	1.4001		3,437.4092				3,450.4468
Total	3.2241	23.7747	22.5556	0.0371		1.4307	1.4307		1.4001	1.4001		3,437.4092				3,450.4468

Arts Center
CalEEMod Output - Construction (Regional)

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
Vendor	0.0867	2.3177	0.6770	5.0900e-003	0.1280	0.0150	0.1430	0.0369	0.0144	0.0512		542.5542				543.5071
Worker	0.4430	0.3253	3.5398	9.1800e-003	0.8942	7.7100e-003	0.9019	0.2372	7.1100e-003	0.2443		913.7047				914.4905
Total	0.5297	2.6430	4.2168	0.0143	1.0223	0.0227	1.0450	0.2740	0.0215	0.2955		1,456.2589				1,457.9975

3.13 South-1 Raymond Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6292	6.3399	6.7351	0.0105		0.3438	0.3438		0.3182	0.3182		1,000.4695				1,007.9313
Paving	0.8495					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.4787	6.3399	6.7351	0.0105		0.3438	0.3438		0.3182	0.3182		1,000.4695				1,007.9313

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
Vendor	0.0217	0.5794	0.1692	1.2700e-003	0.0320	3.7500e-003	0.0358	9.2200e-003	3.5900e-003	0.0128		135.6386				135.8768
Worker	0.1661	0.1220	1.3274	3.4400e-003	0.3353	2.8900e-003	0.3382	0.0889	2.6600e-003	0.0916		342.6392				342.9339
Total	0.1878	0.7014	1.4967	4.7100e-003	0.3673	6.6400e-003	0.3740	0.0982	6.2500e-003	0.1044		478.2778				478.8107

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	0.6292	6.3399	6.7351	0.0105		0.3438	0.3438		0.3182	0.3182		1,000.4695				1,007.9313

Arts Center
CalEEMod Output - Construction (Regional)

Paving	0.8495					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.4787	6.3399	6.7351	0.0105		0.3438	0.3438		0.3182	0.3182		1,000.4695				1,007.9313

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
Vendor	0.0217	0.5794	0.1692	1.2700e-003	0.0320	3.7500e-003	0.0358	9.2200e-003	3.5900e-003	0.0128		135.6386				135.8768
Worker	0.1661	0.1220	1.3274	3.4400e-003	0.3353	2.8900e-003	0.3382	0.0889	2.6600e-003	0.0916		342.6392				342.9339
Total	0.1878	0.7014	1.4967	4.7100e-003	0.3673	6.6400e-003	0.3740	0.0982	6.2500e-003	0.1044		478.2778				478.8107

3.14 South-1 Arroyo Demo - 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					1.0254	0.0000	1.0254	0.1553	0.0000	0.1553						0.0000
Off-Road	1.1443	10.9509	10.8048	0.0208		0.5182	0.5182		0.4906	0.4906		1,998.9829				2,011.2141
Total	1.1443	10.9509	10.8048	0.0208	1.0254	0.5182	1.5435	0.1553	0.4906	0.6458		1,998.9829				2,011.2141

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	0.1708	5.4306	1.3339	0.0153	0.3497	0.0167	0.3664	0.0959	0.0160	0.1119		1,663.5662				1,666.5396
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
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502				214.6080
Total	0.2661	5.4958	2.0704	0.0175	0.5733	0.0185	0.5918	0.1552	0.0177	0.1728		1,878.0164				1,881.1476

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
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Arts Center
CalEEMod Output - Construction (Regional)

Category	lb/day										lb/day					
Fugitive Dust					0.3999	0.0000	0.3999	0.0606	0.0000	0.0606						0.0000
Off-Road	1.1443	10.9509	10.8048	0.0208		0.5182	0.5182		0.4906	0.4906		1,998.982				2,011.214
Total	1.1443	10.9509	10.8048	0.0208	0.3999	0.5182	0.9181	0.0606	0.4906	0.5511		1,998.982				2,011.214

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	0.1708	5.4306	1.3339	0.0153	0.3497	0.0167	0.3664	0.0959	0.0160	0.1119		1,663.566				1,666.539
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
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502				214.6080
Total	0.2661	5.4958	2.0704	0.0175	0.5733	0.0185	0.5918	0.1552	0.0177	0.1728		1,878.016				1,881.147

3.15 South-1 Arroyo 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	1.5459	15.3982	10.6461	0.0292		0.5959	0.5959		0.5542	0.5542		2,783.697				2,805.202
Total	1.5459	15.3982	10.6461	0.0292	0.0000	0.5959	0.5959	0.0000	0.5542	0.5542		2,783.697				2,805.202

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	0.4269	13.5765	3.3347	0.0383	0.8743	0.0418	0.9161	0.2397	0.0400	0.2796		4,158.915				4,166.349
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
Worker	0.1240	0.0848	0.9575	2.8000e-003	0.2906	2.3500e-003	0.2930	0.0771	2.1600e-003	0.0792		278.7853				278.9904
Total	0.5509	13.6613	4.2921	0.0411	1.1649	0.0441	1.2090	0.3167	0.0421	0.3589		4,437.700				4,445.339

Mitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Regional)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	1.5459	15.3982	10.6461	0.0292		0.5959	0.5959		0.5542	0.5542		2,783.6971				2,805.2025
Total	1.5459	15.3982	10.6461	0.0292	0.0000	0.5959	0.5959	0.0000	0.5542	0.5542		2,783.6971				2,805.2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.4269	13.5765	3.3347	0.0383	0.8743	0.0418	0.9161	0.2397	0.0400	0.2796		4,158.9155				4,166.3490
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
Worker	0.1240	0.0848	0.9575	2.8000e-003	0.2906	2.3500e-003	0.2930	0.0771	2.1600e-003	0.0792		278.7853				278.9904
Total	0.5509	13.6613	4.2921	0.0411	1.1649	0.0441	1.2090	0.3167	0.0421	0.3589		4,437.7008				4,445.3394

3.16 South-1 Arroyo Foundation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6720	13.4105	13.1899	0.0230		0.7245	0.7245		0.7033	0.7033		2,118.0842				2,125.4323
Total	1.6720	13.4105	13.1899	0.0230		0.7245	0.7245		0.7033	0.7033		2,118.0842				2,125.4323

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
Vendor	0.1276	3.8756	1.1231	0.0100	0.2561	8.2000e-003	0.2643	0.0737	7.8400e-003	0.0816		1,069.3821				1,071.1080
Worker	0.1907	0.1305	1.4730	4.3000e-003	0.4471	3.6100e-003	0.4507	0.1186	3.3300e-003	0.1219		428.9004				429.2160
Total	0.3184	4.0060	2.5961	0.0143	0.7032	0.0118	0.7150	0.1923	0.0112	0.2035		1,498.2825				1,500.3240

Arts Center
CalEEMod Output - Construction (Regional)

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	1.6720	13.4105	13.1899	0.0230		0.7245	0.7245		0.7033	0.7033		2,118.0842				2,125.4323
Total	1.6720	13.4105	13.1899	0.0230		0.7245	0.7245		0.7033	0.7033		2,118.0842				2,125.4323

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
Vendor	0.1276	3.8756	1.1231	0.0100	0.2561	8.2000e-003	0.2643	0.0737	7.8400e-003	0.0816		1,069.3821				1,071.1080
Worker	0.1907	0.1305	1.4730	4.3000e-003	0.4471	3.6100e-003	0.4507	0.1186	3.3300e-003	0.1219		428.9004				429.2160
Total	0.3184	4.0060	2.5961	0.0143	0.7032	0.0118	0.7150	0.1923	0.0112	0.2035		1,498.2825				1,500.3240

3.17 South-1 Arroyo Construction - 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	2.6520	20.3091	22.0416	0.0371		1.0770	1.0770		1.0539	1.0539		3,417.3667				3,429.3492
Total	2.6520	20.3091	22.0416	0.0371		1.0770	1.0770		1.0539	1.0539		3,417.3667				3,429.3492

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
Vendor	0.0638	1.9378	0.5615	5.0000e-003	0.1280	4.1000e-003	0.1321	0.0369	3.9200e-003	0.0408		534.6911				535.5540

Arts Center
CalEEMod Output - Construction (Regional)

Worker	0.3815	0.2609	2.9461	8.6100e-003	0.8942	7.2300e-003	0.9014	0.2372	6.6600e-003	0.2438		857.8009				858.4319
Total	0.4453	2.1987	3.5076	0.0136	1.0223	0.0113	1.0336	0.2740	0.0106	0.2846		1,392.4919				1,393.9859

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.6520	20.3091	22.0416	0.0371		1.0770	1.0770		1.0539	1.0539		3,417.3667				3,429.3492
Total	2.6520	20.3091	22.0416	0.0371		1.0770	1.0770		1.0539	1.0539		3,417.3667				3,429.3492

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
Vendor	0.0638	1.9378	0.5615	5.0000e-003	0.1280	4.1000e-003	0.1321	0.0369	3.9200e-003	0.0408		534.6911				535.5540
Worker	0.3815	0.2609	2.9461	8.6100e-003	0.8942	7.2300e-003	0.9014	0.2372	6.6600e-003	0.2438		857.8009				858.4319
Total	0.4453	2.1987	3.5076	0.0136	1.0223	0.0113	1.0336	0.2740	0.0106	0.2846		1,392.4919				1,393.9859

3.17 South-1 Arroyo 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	2.4520	18.7619	21.8934	0.0371		0.9374	0.9374		0.9176	0.9176		3,417.4114				3,429.1118
Total	2.4520	18.7619	21.8934	0.0371		0.9374	0.9374		0.9176	0.9176		3,417.4114				3,429.1118

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					

Arts Center
CalEEMod Output - Construction (Regional)

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
Vendor	0.0599	1.8416	0.5315	4.9600e-003	0.1281	3.5800e-003	0.1316	0.0369	3.4300e-003	0.0403		529.9406				530.7732
Worker	0.3583	0.2356	2.7134	8.3000e-003	0.8942	7.0000e-003	0.9012	0.2372	6.4500e-003	0.2436		827.6556				828.2253
Total	0.4182	2.0772	3.2450	0.0133	1.0223	0.0106	1.0328	0.2740	9.8800e-003	0.2839		1,357.5961				1,358.9985

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4520	18.7619	21.8934	0.0371		0.9374	0.9374		0.9176	0.9176		3,417.4114				3,429.1118
Total	2.4520	18.7619	21.8934	0.0371		0.9374	0.9374		0.9176	0.9176		3,417.4114				3,429.1118

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
Vendor	0.0599	1.8416	0.5315	4.9600e-003	0.1281	3.5800e-003	0.1316	0.0369	3.4300e-003	0.0403		529.9406				530.7732
Worker	0.3583	0.2356	2.7134	8.3000e-003	0.8942	7.0000e-003	0.9012	0.2372	6.4500e-003	0.2436		827.6556				828.2253
Total	0.4182	2.0772	3.2450	0.0133	1.0223	0.0106	1.0328	0.2740	9.8800e-003	0.2839		1,357.5961				1,358.9985

3.18 South-1 1111 Arroyo Improvements - 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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

Unmitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Regional)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703				265.3866
Worker	0.2687	0.1767	2.0351	6.2300e-003	0.6707	5.2500e-003	0.6759	0.1779	4.8400e-003	0.1827		620.7417				621.1690
Total	0.2987	1.0975	2.3008	8.7100e-003	0.7347	7.0400e-003	0.7417	0.1963	6.5500e-003	0.2029		885.7120				886.5556

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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703				265.3866
Worker	0.2687	0.1767	2.0351	6.2300e-003	0.6707	5.2500e-003	0.6759	0.1779	4.8400e-003	0.1827		620.7417				621.1690
Total	0.2987	1.0975	2.3008	8.7100e-003	0.7347	7.0400e-003	0.7417	0.1963	6.5500e-003	0.2029		885.7120				886.5556

3.19 South-1 950 Raymond Improvements - 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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

Arts Center
CalEEMod Output - Construction (Regional)

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
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703				265.3866
Worker	0.2687	0.1767	2.0351	6.2300e-003	0.6707	5.2500e-003	0.6759	0.1779	4.8400e-003	0.1827		620.7417				621.1690
Total	0.2987	1.0975	2.3008	8.7100e-003	0.7347	7.0400e-003	0.7417	0.1963	6.5500e-003	0.2029		885.7120				886.5556

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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703				265.3866
Worker	0.2687	0.1767	2.0351	6.2300e-003	0.6707	5.2500e-003	0.6759	0.1779	4.8400e-003	0.1827		620.7417				621.1690
Total	0.2987	1.0975	2.3008	8.7100e-003	0.7347	7.0400e-003	0.7417	0.1963	6.5500e-003	0.2029		885.7120				886.5556

3.20 Hillside-2 South Building Renovation - 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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

Arts Center
CalEEMod Output - Construction (Regional)

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
Vendor	0.0150	0.4604	0.1329	1.2400e-003	0.0320	9.0000e-004	0.0329	9.2200e-003	8.6000e-004	0.0101		132.4851				132.6933
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139				207.0563
Total	0.1046	0.5193	0.8112	3.3200e-003	0.2556	2.6500e-003	0.2582	0.0685	2.4700e-003	0.0710		339.3990				339.7496

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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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
Vendor	0.0150	0.4604	0.1329	1.2400e-003	0.0320	9.0000e-004	0.0329	9.2200e-003	8.6000e-004	0.0101		132.4851				132.6933
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139				207.0563
Total	0.1046	0.5193	0.8112	3.3200e-003	0.2556	2.6500e-003	0.2582	0.0685	2.4700e-003	0.0710		339.3990				339.7496

3.21 Hillside-2 South 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					

Arts Center
CalEEMod Output - Construction (Regional)

Off-Road	1.3021	10.2175	11.2810	0.0196		0.5045	0.5045		0.4911	0.4911						1,815.9886				1,822.9304
Total	1.3021	10.2175	11.2810	0.0196		0.5045	0.5045		0.4911	0.4911						1,815.9886				1,822.9304

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
Vendor	0.0150	0.4604	0.1329	1.2400e-003	0.0320	9.0000e-004	0.0329	9.2200e-003	8.6000e-004	0.0101		132.4851					132.6933
Worker	0.2687	0.1767	2.0351	6.2300e-003	0.6707	5.2500e-003	0.6759	0.1779	4.8400e-003	0.1827		620.7417					621.1690
Total	0.2837	0.6371	2.1679	7.4700e-003	0.7027	6.1500e-003	0.7088	0.1871	5.7000e-003	0.1928		753.2268					753.8623

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	1.3021	10.2175	11.2810	0.0196		0.5045	0.5045		0.4911	0.4911						1,815.9886				1,822.9304
Total	1.3021	10.2175	11.2810	0.0196		0.5045	0.5045		0.4911	0.4911						1,815.9886				1,822.9304

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
Vendor	0.0150	0.4604	0.1329	1.2400e-003	0.0320	9.0000e-004	0.0329	9.2200e-003	8.6000e-004	0.0101		132.4851					132.6933
Worker	0.2687	0.1767	2.0351	6.2300e-003	0.6707	5.2500e-003	0.6759	0.1779	4.8400e-003	0.1827		620.7417					621.1690
Total	0.2837	0.6371	2.1679	7.4700e-003	0.7027	6.1500e-003	0.7088	0.1871	5.7000e-003	0.1928		753.2268					753.8623

3.22 South-2 Raymond & North Quad Demo - 2022

Unmitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Regional)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.4293	0.0000	0.4293	0.0650	0.0000	0.0650							0.0000
Off-Road	1.0162	9.2788	10.6890	0.0208		0.4277	0.4277		0.4055	0.4055		1,999.5832					2,011.7671
Total	1.0162	9.2788	10.6890	0.0208	0.4293	0.4277	0.8570	0.0650	0.4055	0.4705		1,999.5832					2,011.7671

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	0.0406	1.2602	0.3294	3.7800e-003	0.0874	3.6300e-003	0.0911	0.0240	3.4800e-003	0.0274		410.9084					411.6398
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
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139					207.0563
Total	0.1302	1.3191	1.0077	5.8600e-003	0.3110	5.3800e-003	0.3164	0.0833	5.0900e-003	0.0883		617.8223					618.6961

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					0.1674	0.0000	0.1674	0.0254	0.0000	0.0254							0.0000
Off-Road	1.0162	9.2788	10.6890	0.0208		0.4277	0.4277		0.4055	0.4055		1,999.5832					2,011.7670
Total	1.0162	9.2788	10.6890	0.0208	0.1674	0.4277	0.5951	0.0254	0.4055	0.4308		1,999.5832					2,011.7670

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	0.0406	1.2602	0.3294	3.7800e-003	0.0874	3.6300e-003	0.0911	0.0240	3.4800e-003	0.0274		410.9084					411.6398
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
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139					207.0563
Total	0.1302	1.3191	1.0077	5.8600e-003	0.3110	5.3800e-003	0.3164	0.0833	5.0900e-003	0.0883		617.8223					618.6961

3.23 South-2 Raymond & North Quad Grading - 2022

Arts Center
CalEEMod Output - Construction (Regional)

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					0.0816	0.0000	0.0816	0.0124	0.0000	0.0124						0.0000
Off-Road	1.3676	12.7156	10.4157	0.0292		0.4978	0.4978		0.4631	0.4631		2,785.5485				2,807.0141
Total	1.3676	12.7156	10.4157	0.0292	0.0816	0.4978	0.5794	0.0124	0.4631	0.4754		2,785.5485				2,807.0141

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	0.4876	15.1220	3.9527	0.0454	1.0492	0.0436	1.0928	0.2876	0.0417	0.3293		4,930.9004				4,939.6771
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
Worker	0.1164	0.0766	0.8819	2.7000e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		268.9881				269.1732
Total	0.6040	15.1985	4.8345	0.0481	1.3398	0.0459	1.3857	0.3647	0.0438	0.4085		5,199.8885				5,208.8504

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					0.0318	0.0000	0.0318	4.8200e-003	0.0000	4.8200e-003						0.0000
Off-Road	1.3676	12.7156	10.4157	0.0292		0.4978	0.4978		0.4631	0.4631		2,785.5485				2,807.0141
Total	1.3676	12.7156	10.4157	0.0292	0.0318	0.4978	0.5296	4.8200e-003	0.4631	0.4679		2,785.5485				2,807.0141

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	0.4876	15.1220	3.9527	0.0454	1.0492	0.0436	1.0928	0.2876	0.0417	0.3293		4,930.9004				4,939.6771
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
Worker	0.1164	0.0766	0.8819	2.7000e-003	0.2906	2.2700e-003	0.2929	0.0771	2.1000e-003	0.0792		268.9881				269.1732

Arts Center
CalEEMod Output - Construction (Regional)

Total	0.6040	15.1985	4.8345	0.0481	1.3398	0.0459	1.3857	0.3647	0.0438	0.4085		5,199.8885				5,208.8504
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3.24 South-2 Raymond & North Quad Foundation - 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	1.5390	12.3056	13.0754	0.0230		0.6302	0.6302		0.6121	0.6121		2,118.1289				2,125.3157
Total	1.5390	12.3056	13.0754	0.0230		0.6302	0.6302		0.6121	0.6121		2,118.1289				2,125.3157

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
Vendor	0.1198	3.6832	1.0631	9.9100e-003	0.2561	7.1700e-003	0.2633	0.0737	6.8600e-003	0.0806		1,059.8811				1,061.5464
Worker	0.2239	0.1473	1.6959	5.1900e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		517.2847				517.6408
Total	0.3437	3.8304	2.7590	0.0151	0.8150	0.0115	0.8265	0.2220	0.0109	0.2328		1,577.1659				1,579.1872

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	1.5390	12.3056	13.0754	0.0230		0.6302	0.6302		0.6121	0.6121		2,118.1289				2,125.3157
Total	1.5390	12.3056	13.0754	0.0230		0.6302	0.6302		0.6121	0.6121		2,118.1289				2,125.3157

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

Arts Center
CalEEMod Output - Construction (Regional)

Vendor	0.1198	3.6832	1.0631	9.9100e-003	0.2561	7.1700e-003	0.2633	0.0737	6.8600e-003	0.0806		1,059.881 1				1,061.546 4
Worker	0.2239	0.1473	1.6959	5.1900e-003	0.5589	4.3700e-003	0.5633	0.1482	4.0300e-003	0.1523		517.2847				517.6408
Total	0.3437	3.8304	2.7590	0.0151	0.8150	0.0115	0.8265	0.2220	0.0109	0.2328		1,577.165 9				1,579.187 2

3.24 South-2 Raymond & North Quad Foundation - 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	1.4357	11.4555	12.9967	0.0230		0.5504	0.5504		0.5345	0.5345		2,118.124 4				2,125.095 9
Total	1.4357	11.4555	12.9967	0.0230		0.5504	0.5504		0.5345	0.5345		2,118.124 4				2,125.095 9

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
Vendor	0.0890	2.7896	0.9446	9.5900e-003	0.2561	3.4000e-003	0.2595	0.0737	3.2500e-003	0.0770		1,026.965 2				1,028.431 2
Worker	0.2110	0.1332	1.5588	5.0000e-003	0.5589	4.2500e-003	0.5631	0.1482	3.9100e-003	0.1521		498.3603				498.6809
Total	0.3000	2.9228	2.5035	0.0146	0.8150	7.6500e-003	0.8226	0.2220	7.1600e-003	0.2291		1,525.325 5				1,527.112 2

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	1.4357	11.4555	12.9967	0.0230		0.5504	0.5504		0.5345	0.5345		2,118.124 4				2,125.095 9
Total	1.4357	11.4555	12.9967	0.0230		0.5504	0.5504		0.5345	0.5345		2,118.124 4				2,125.095 9

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
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Arts Center
CalEEMod Output - Construction (Regional)

Category	lb/day										lb/day					
	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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
Vendor	0.0890	2.7896	0.9446	9.5900e-003	0.2561	3.4000e-003	0.2595	0.0737	3.2500e-003	0.0770		1,026.9652				1,028.4312
Worker	0.2110	0.1332	1.5588	5.0000e-003	0.5589	4.2500e-003	0.5631	0.1482	3.9100e-003	0.1521		498.3603				498.6809
Total	0.3000	2.9228	2.5035	0.0146	0.8150	7.6500e-003	0.8226	0.2220	7.1600e-003	0.2291		1,525.3255				1,527.1122

3.25 South-2 Raymond & North Quad Construction - 2023

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	2.2892	17.5341	21.7862	0.0371		0.8173	0.8173		0.8000	0.8000		3,417.4068				3,428.7382
Total	2.2892	17.5341	21.7862	0.0371		0.8173	0.8173		0.8000	0.8000		3,417.4068				3,428.7382

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	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
Vendor	0.0445	1.3948	0.4723	4.7900e-003	0.1281	1.7000e-003	0.1298	0.0369	1.6300e-003	0.0385		513.4826				514.2156
Worker	0.4219	0.2664	3.1177	0.0100	1.1178	8.5000e-003	1.1263	0.2964	7.8300e-003	0.3043		996.7206				997.3618
Total	0.4664	1.6612	3.5900	0.0148	1.2458	0.0102	1.2560	0.3333	9.4600e-003	0.3428		1,510.2032				1,511.5774

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	lb/day										lb/day					
Off-Road	2.2892	17.5341	21.7862	0.0371		0.8173	0.8173		0.8000	0.8000		3,417.4068				3,428.7382
Total	2.2892	17.5341	21.7862	0.0371		0.8173	0.8173		0.8000	0.8000		3,417.4068				3,428.7382

Mitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Regional)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
Vendor	0.0445	1.3948	0.4723	4.7900e-003	0.1281	1.7000e-003	0.1298	0.0369	1.6300e-003	0.0385		513.4826				514.2156
Worker	0.4219	0.2664	3.1177	0.0100	1.1178	8.5000e-003	1.1263	0.2964	7.8300e-003	0.3043		996.7206				997.3618
Total	0.4664	1.6612	3.5900	0.0148	1.2458	0.0102	1.2560	0.3333	9.4600e-003	0.3428		1,510.2032				1,511.5774

3.25 South-2 Raymond & North Quad Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1536	16.5639	21.7030	0.0371		0.7168	0.7168		0.7014	0.7014		3,417.3999				3,428.5386
Total	2.1536	16.5639	21.7030	0.0371		0.7168	0.7168		0.7014	0.7014		3,417.3999				3,428.5386

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
Vendor	0.0434	1.3898	0.4580	4.7700e-003	0.1281	1.6700e-003	0.1297	0.0369	1.6000e-003	0.0385		511.4911				512.2130
Worker	0.4004	0.2429	2.9024	9.6900e-003	1.1178	8.3800e-003	1.1261	0.2964	7.7100e-003	0.3042		965.8038				966.3914
Total	0.4438	1.6327	3.3604	0.0145	1.2458	0.0101	1.2559	0.3333	9.3100e-003	0.3426		1,477.2949				1,478.6044

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1536	16.5639	21.7030	0.0371		0.7168	0.7168		0.7014	0.7014		3,417.3998				3,428.5386
Total	2.1536	16.5639	21.7030	0.0371		0.7168	0.7168		0.7014	0.7014		3,417.3998				3,428.5386

Arts Center
CalEEMod Output - Construction (Regional)

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
Vendor	0.0434	1.3898	0.4580	4.7700e-003	0.1281	1.6700e-003	0.1297	0.0369	1.6000e-003	0.0385		511.4911				512.2130
Worker	0.4004	0.2429	2.3024	9.6900e-003	1.1178	8.3800e-003	1.1261	0.2964	7.7100e-003	0.3042		965.8038				966.3914
Total	0.4438	1.6327	3.3604	0.0145	1.2458	0.0101	1.2559	0.3333	9.3100e-003	0.3426		1,477.2949				1,478.6044

3.26 South-2 Raymond & North Quad Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5755	5.6633	8.3484	0.0126		0.2603	0.2603		0.2406	0.2406		1,201.4617				1,210.8988
Paving	0.2796					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.8551	5.6633	8.3484	0.0126		0.2603	0.2603		0.2406	0.2406		1,201.4617				1,210.8988

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
Vendor	0.0217	0.6949	0.2290	2.3900e-003	0.0640	8.4000e-004	0.0649	0.0184	8.0000e-004	0.0192		255.7456				256.1065
Worker	0.1602	0.0972	1.1610	3.8700e-003	0.4471	3.3500e-003	0.4505	0.1186	3.0900e-003	0.1217		386.3215				386.5565
Total	0.1819	0.7920	1.3900	6.2600e-003	0.5111	4.1900e-003	0.5153	0.1370	3.8900e-003	0.1409		642.0671				642.6631

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	0.5755	5.6633	8.3484	0.0126		0.2603	0.2603		0.2406	0.2406		1,201.4617				1,210.8988

Arts Center
CalEEMod Output - Construction (Regional)

Paving	0.2796					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.8551	5.6633	8.3484	0.0126		0.2603	0.2603		0.2406	0.2406		1,201.4617				1,210.8988

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
Vendor	0.0217	0.6949	0.2290	2.3900e-003	0.0640	8.4000e-004	0.0649	0.0184	8.0000e-004	0.0192		255.7456				256.1065
Worker	0.1602	0.0972	1.1610	3.8700e-003	0.4471	3.3500e-003	0.4505	0.1186	3.0900e-003	0.1217		386.3215				386.5565
Total	0.1819	0.7920	1.3900	6.2600e-003	0.5111	4.1900e-003	0.5153	0.1370	3.8900e-003	0.1409		642.0671				642.6631

Pasadena Arts Center
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.92	1000sqft	1.05	45,920.00	0
University/College (4Yr)	2,500.00	Student	10.55	536,952.00	0
High Turnover (Sit Down Restaurant)	11.78	1000sqft	0.27	11,780.00	0
Movie Theater (No Matinee)	300.00	Seat	0.15	6,750.00	0
Apartments Mid Rise	380.00	Dwelling Unit	10.00	345,000.00	1087
Enclosed Parking with Elevator	1,171.00	Space	10.54	468,400.00	0
Parking Lot	937.00	Space	8.43	374,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	12	Operational Year	2020		
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MWhr)	1664.14	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Site Specific

Construction Phase - Site Specific

Off-road Equipment -

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Off-road Equipment - Site Specific

Arts Center
CalEEMod Output - Construction (Localized)

- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Off-road Equipment - Site Specific
- Grading -
- Demolition -
- Trips and VMT - Site Specific
- Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	740.00	183.00
tblConstructionPhase	NumDays	50.00	27.00
tblConstructionPhase	NumDays	75.00	25.00
tblConstructionPhase	NumDays	55.00	24.00
tblConstructionPhase	NumDays	50.00	27.00
tblConstructionPhase	NumDays	740.00	234.00
tblConstructionPhase	NumDays	55.00	156.00
tblConstructionPhase	NumDays	50.00	27.00
tblConstructionPhase	NumDays	740.00	313.00
tblConstructionPhase	NumDays	55.00	26.00
tblConstructionPhase	NumDays	50.00	24.00
tblConstructionPhase	NumDays	75.00	27.00
tblConstructionPhase	NumDays	740.00	313.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	740.00	260.00
tblConstructionPhase	NumDays	740.00	26.00
tblConstructionPhase	NumDays	740.00	155.00
tblConstructionPhase	NumDays	50.00	27.00
tblConstructionPhase	NumDays	75.00	39.00
tblConstructionPhase	NumDays	740.00	418.00
tblConstructionPhase	NumDays	55.00	79.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00

Arts Center
CalEEMod Output - Construction (Localized)

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblConstructionPhase	PhaseEndDate	12/31/2017	1/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	4/30/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/28/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/1/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	2/1/2018
tblGrading	MaterialExported	0.00	13,889.00
tblGrading	MaterialExported	0.00	28,148.00
tblLandUse	BuildingSpaceSquareFeet	459,493.67	536,952.00
tblLandUse	BuildingSpaceSquareFeet	380,000.00	345,000.00
tblLandUse	LandUseSquareFeet	459,493.67	536,952.00
tblLandUse	LandUseSquareFeet	380,000.00	345,000.00
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Welders

Arts Center
CalEEMod Output - Construction (Localized)

tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType	Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders

Arts Center
CalEEMod Output - Construction (Localized)

tblOffRoadEquipment	OffRoadEquipmentType			Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType			Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType			Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType			Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType			Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType			Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType			Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType			Cranes
tblOffRoadEquipment	OffRoadEquipmentType			Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType			Welders
tblOffRoadEquipment	OffRoadEquipmentType			Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType			Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType			Cranes
tblOffRoadEquipment	OffRoadEquipmentType			Forklifts
tblOffRoadEquipment	OffRoadEquipmentType			Pumps
tblOffRoadEquipment	OffRoadEquipmentType			Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType			Welders
tblOffRoadEquipment	OffRoadEquipmentType			Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType			Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType			Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType			Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType			Pumps
tblOffRoadEquipment	OffRoadEquipmentType			Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType			Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType			Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType			Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00		0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00		0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00		0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00		0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00		1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00		0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00		0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00		0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00		0.00

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CalEEMod Output - Construction (Localized)

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	PhaseName		Hillside-1 Annex Demo
tblOffRoadEquipment	PhaseName		Hillside-1 Photovoltaic
tblOffRoadEquipment	PhaseName		Hillside-1 Photovoltaic
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tblOffRoadEquipment	PhaseName		Hillside-1 Photovoltaic
tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Annex Paving/Landscape
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Demo
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Demo
tblOffRoadEquipment	PhaseName		South-1 Raymond Demo
tblOffRoadEquipment	PhaseName		South-1 Raymond Demo
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Construction
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Construction
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclair Construction
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Foundation
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tblOffRoadEquipment	PhaseName		South-1 Raymond Foundation
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tblOffRoadEquipment	PhaseName		South-1 Raymond Foundation
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tblOffRoadEquipment	PhaseName		South-1 Raymond Foundation
tblOffRoadEquipment	PhaseName		South-1 Raymond Building
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tblOffRoadEquipment	PhaseName		South-1 Raymond Building
tblOffRoadEquipment	PhaseName		South-1 Raymond Paving
tblOffRoadEquipment	PhaseName		South-1 Raymond Paving
tblOffRoadEquipment	PhaseName		South-1 Raymond Paving
tblOffRoadEquipment	PhaseName		South-1 Arroyo Demo
tblOffRoadEquipment	PhaseName		South-1 Arroyo Demo
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading

Arts Center
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tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	HaulingTripNumber	77.00	0.00
tblTripsAndVMT	HaulingTripNumber	1,736.00	0.00
tblTripsAndVMT	HaulingTripNumber	114.00	0.00
tblTripsAndVMT	HaulingTripNumber	54.00	0.00
tblTripsAndVMT	HaulingTripNumber	45.00	0.00
tblTripsAndVMT	HaulingTripNumber	114.00	0.00
tblTripsAndVMT	HaulingTripNumber	3,519.00	0.00
tblTripsAndVMT	VendorTripNumber	277.00	0.00
tblTripsAndVMT	VendorTripNumber	277.00	0.00
tblTripsAndVMT	VendorTripNumber	277.00	0.00
tblTripsAndVMT	VendorTripNumber	277.00	0.00
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tblTripsAndVMT	VendorTripNumber	277.00	0.00
tblTripsAndVMT	VendorTripNumber	277.00	0.00
tblTripsAndVMT	VendorTripNumber	277.00	0.00
tblTripsAndVMT	WorkerTripNumber	175.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	8.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	0.00
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tblTripsAndVMT	WorkerTripNumber	876.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	0.00
tblTripsAndVMT	WorkerTripNumber	876.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	10.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00

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tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	13.00	0.00
tblTripsAndVMT	WorkerTripNumber	30.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00
tblTripsAndVMT	WorkerTripNumber	23.00	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2018	7.6293	65.7439	50.5040	0.0863	1.2760	3.9368	4.7575	0.1932	3.7645	3.7645		8,402.5547				8,454.9352
2019	3.2241	23.7747	22.5556	0.0371	0.0000	1.4307	1.4307	0.0000	1.4001	1.4001		3,437.4092				3,450.4468
2021	2.6520	20.3091	22.0416	0.0371	1.0254	1.0770	1.5435	0.1553	1.0539	1.0539		3,417.3667				3,429.3492
2022	6.0069	46.3510	56.1340	0.0940	0.4293	2.3174	2.6699	0.0650	2.2659	2.2659		8,789.8913				8,826.1190
2023	2.2892	17.5341	21.7862	0.0371	0.0000	0.8173	0.8173	0.0000	0.8000	0.8000		3,417.4068				3,428.7382
2024	2.1536	16.5639	21.7030	0.0371	0.0000	0.7168	0.7168	0.0000	0.7014	0.7014		3,417.3999				3,428.5386
Maximum	7.6293	65.7439	56.1340	0.0940	1.2760	3.9368	4.7575	0.1932	3.7645	3.7645		8,789.8913				8,826.1190

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					
2018	7.6293	65.7439	50.5040	0.0863	0.4976	3.9368	3.9791	0.0754	3.7645	3.7645		8,402.5547				8,454.9352
2019	3.2241	23.7747	22.5556	0.0371	0.0000	1.4307	1.4307	0.0000	1.4001	1.4001		3,437.4092				3,450.4468
2021	2.6520	20.3091	22.0416	0.0371	0.3999	1.0770	1.0770	0.0606	1.0539	1.0539		3,417.3667				3,429.3492
2022	6.0069	46.3510	56.1340	0.0940	0.1674	2.3174	2.4081	0.0254	2.2659	2.2659		8,789.8913				8,826.1190
2023	2.2892	17.5341	21.7862	0.0371	0.0000	0.8173	0.8173	0.0000	0.8000	0.8000		3,417.4068				3,428.7382
2024	2.1536	16.5639	21.7030	0.0371	0.0000	0.7168	0.7168	0.0000	0.7014	0.7014		3,417.3999				3,428.5386
Maximum	7.6293	65.7439	56.1340	0.0940	0.4976	3.9368	3.9791	0.0754	3.7645	3.7645		8,789.8913				8,826.1190

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	61.00	0.00	12.62	61.00	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	Architectural Coating	Architectural Coating	1/1/2018	12/31/2017	6	55	
2	Hillside-1 Annex Demo	Demolition	1/1/2018	1/31/2018	6	27	
3	Hillside-1 Photovoltaic	Building Construction	1/1/2018	9/30/2018	6	234	
4	Hillside-1 Parking	Paving	1/1/2018	6/30/2018	6	156	
5	Hillside-1 Annex Paving/Landscape	Paving	2/1/2018	2/28/2018	6	24	
6	Hillside-1 Sinclair Demo	Demolition	3/1/2018	3/31/2018	6	27	
7	South-1 Raymond Demo	Demolition	3/1/2018	3/31/2018	6	27	
8	Hillside-1 Sinclair Construction	Building Construction	4/1/2018	10/31/2018	6	183	
9	South-1 Raymond Grading	Grading	4/1/2018	4/30/2018	6	25	
10	South-1 Raymond Foundation	Trenching	5/1/2018	10/31/2018	6	158	
11	South-1 Raymond Building	Building Construction	11/1/2018	10/31/2019	6	313	
12	South-1 Raymond Paving	Paving	11/1/2019	11/30/2019	6	26	
13	South-1 Arroyo Demo	Demolition	2/1/2021	2/28/2021	6	24	
14	South-1 Arroyo Grading	Grading	3/1/2021	3/31/2021	6	27	
15	South-1 Arroyo Foundation	Trenching	4/1/2021	8/31/2021	6	131	
16	South-1 Arroyo Construction	Building Construction	9/1/2021	8/31/2022	6	313	
17	South-1 1111 Arroyo Improvements	Building Construction	1/1/2022	10/31/2022	6	260	
18	South-1 950 Raymond Improvements	Building Construction	1/1/2022	10/31/2022	6	260	
19	Hillside-2 South Building Renovation	Building Construction	1/1/2022	1/31/2022	6	26	
20	Hillside-2 South Building Construction	Building Construction	2/1/2022	7/31/2022	6	155	
21	South-2 Raymond & North Quad Demolition	Demolition	8/1/2022	8/31/2022	6	27	
22	South-2 Raymond & North Quad Grading	Grading	9/1/2022	10/15/2022	6	39	
23	South-2 Raymond & North Quad Foundation	Trenching	10/16/2022	5/31/2023	6	195	
24	South-2 Raymond & North Quad Construction	Building Construction	6/1/2023	9/30/2024	6	418	
25	South-2 Raymond & North Quad Paving	Paving	10/1/2024	12/31/2024	6	79	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 18.97

Residential Indoor: 698,625; Residential Outdoor: 232,875; Non-Residential Indoor: 902,103; Non-Residential Outdoor: 300,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hillside-1 Parking	Cement and Mortar Mixers	1	8.00	9	0.56
Hillside-1 Parking	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-1 Parking	Paving Equipment	1	8.00	132	0.36
Hillside-1 Parking	Rollers	1	8.00	80	0.38
Hillside-1 Parking	Skid Steer Loaders	1	8.00	65	0.37
Hillside-1 Parking	Trenchers	1	8.00	78	0.50
Hillside-1 Annex Paving/Landscape	Skid Steer Loaders	1	8.00	65	0.37
Hillside-1 Sinclair Demo	Rubber Tired Loaders	1	8.00	203	0.36
Hillside-1 Sinclair Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37

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South-1 Raymond Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Raymond Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Hillside-1 Sinclare Construction	Air Compressors	1	8.00	78	0.48
Hillside-1 Sinclare Construction	Aerial Lifts	1	8.00	63	0.31
Hillside-1 Sinclare Construction	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Grading	Bore/Drill Rigs	1	8.00	221	0.50
South-1 Raymond Grading	Cranes	1	8.00	231	0.29
South-1 Raymond Grading	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Raymond Grading	Welders	1	8.00	46	0.45
South-1 Raymond Foundation	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Foundation	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Foundation	Cranes	1	4.00	231	0.29
South-1 Raymond Foundation	Forklifts	2	8.00	89	0.20
South-1 Raymond Foundation	Pumps	1	8.00	84	0.74
South-1 Raymond Foundation	Plate Compactors	2	8.00	8	0.43
South-1 Raymond Foundation	Welders	1	8.00	46	0.45
South-1 Raymond Building	Air Compressors	2	8.00	78	0.48
South-1 Raymond Building	Aerial Lifts	2	8.00	63	0.31
South-1 Raymond Building	Cement and Mortar Mixers	2	8.00	9	0.56
South-1 Raymond Building	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Building	Pumps	1	8.00	84	0.74
South-1 Raymond Building	Plate Compactors	1	8.00	8	0.43
South-1 Raymond Paving	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Paving	Plate Compactors	1	8.00	8	0.43
South-1 Raymond Paving	Skid Steer Loaders	1	8.00	65	0.37
South-1 Raymond Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Arroyo Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Grading	Bore/Drill Rigs	1	8.00	221	0.50
South-1 Arroyo Grading	Cranes	1	8.00	231	0.29
South-1 Arroyo Grading	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Arroyo Grading	Welders	1	8.00	46	0.45
South-1 Arroyo Foundation	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Arroyo Foundation	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Arroyo Foundation	Cranes	1	4.00	231	0.29
South-1 Arroyo Foundation	Forklifts	2	8.00	89	0.20
South-1 Arroyo Foundation	Pumps	1	8.00	84	0.74
South-1 Arroyo Foundation	Plate Compactors	2	8.00	8	0.43
South-1 Arroyo Foundation	Welders	1	8.00	46	0.45
Hillside-2 South Building Construction	Generator Sets	0	8.00	84	0.74
South-2 Raymond & North Quad Construction	Generator Sets	0	8.00	84	0.74
Hillside-1 Photovoltaic Construction	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Grading	Graders	0	8.00	187	0.41
South-2 Raymond & North Quad Grading	Graders	0	8.00	187	0.41
South-1 Raymond Paving	Pavers	0	8.00	130	0.42
South-2 Raymond & North Quad Paving	Pavers	0	8.00	130	0.42
Hillside-1 Parking Paving	Pavers	0	8.00	130	0.42
South-1 Raymond Paving	Paving Equipment	1	8.00	132	0.36

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South-2 Raymond & North Quad Paving	Paving Equipment	1	8.00	132	0.36
Hillside-1 Parking Paving	Paving Equipment	0	8.00	132	0.36
South-1 Raymond Paving	Rollers	0	8.00	80	0.38
South-2 Raymond & North Quad Paving	Rollers	1	8.00	80	0.38
Hillside-1 Parking Paving	Rollers	0	8.00	80	0.38
South-1 Arroyo Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-2 Raymond & North Quad Demo	Rubber Tired Dozers	0	8.00	247	0.40
Hillside-1 Sinclair Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Raymond Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Arroyo Grading	Rubber Tired Dozers	0	8.00	247	0.40
South-2 Raymond & North Quad Grading	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Arroyo Grading	Scrapers	0	8.00	367	0.48
South-2 Raymond & North Quad Grading	Scrapers	0	8.00	367	0.48
South-1 Raymond Building Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 Arroyo Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 1111 Arroyo Improvements	Tractors/Loaders/Backhoes	0	7.00	97	0.37
South-1 950 Raymond Improvements	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-2 South Building Renovation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-2 South Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
South-2 Raymond & North Quad Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-1 Photovoltaic	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-2 Raymond & North Quad Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 Raymond Building Construction	Welders	2	8.00	46	0.45
South-1 Arroyo Construction	Welders	2	8.00	46	0.45
South-1 1111 Arroyo Improvements	Welders	1	8.00	46	0.45
South-1 950 Raymond Improvements	Welders	1	8.00	46	0.45
Hillside-2 South Building Renovation	Welders	1	8.00	46	0.45
Hillside-2 South Building Construction	Welders	1	8.00	46	0.45
South-2 Raymond & North Quad Construction	Welders	2	8.00	46	0.45
Hillside-1 Photovoltaic	Welders	0	8.00	46	0.45
Hillside-1 Annex Demo	Rubber Tired Loaders	1	8.00	203	0.36
Hillside-1 Annex Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Hillside-1 Photovoltaic	Air Compressors	1	8.00	78	0.48
Hillside-1 Photovoltaic	Aerial Lifts	1	8.00	63	0.31
Hillside-1 Photovoltaic	Cement and Mortar Mixers	1	8.00	9	0.56
Hillside-1 Photovoltaic	Concrete/Industrial Saws	1	8.00	81	0.73
Architectural Coating	Air Compressors	1	6.00	78	0.48
Hillside-1 Annex Demo	Excavators	1	8.00	158	0.38
Hillside-1 Annex Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Grading	Excavators	1	8.00	158	0.38
Hillside-1 Sinclair Construction	Cranes	1	4.00	231	0.29
Hillside-1 Sinclair Construction	Forklifts	2	8.00	89	0.20
Hillside-1 Sinclair Construction	Generator Sets	0	8.00	84	0.74
Hillside-1 Annex Paving/Landscape	Pavers	0	8.00	130	0.42
Hillside-1 Annex Paving/Landscape	Rollers	1	8.00	80	0.38
Hillside-1 Annex Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Raymond Grading	Rubber Tired Dozers	0	8.00	247	0.40

Arts Center
CalEEMod Output - Construction (Localized)

Hillside-1 Sinclair Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Raymond Grading	Graders	0	8.00	187	0.41
South-1 Raymond Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hillside-1 Annex Paving/Landscape	Paving Equipment	1	8.00	132	0.36
South-1 Arroyo Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-2 Raymond & North Quad Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Grading	Scrapers	0	8.00	367	0.48
Hillside-1 Sinclair Construction	Welders	1	8.00	46	0.45
Hillside-1 Sinclair Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Building	Cranes	1	4.00	231	0.29
South-1 Arroyo Construction	Cranes	1	4.00	231	0.29
South-1 1111 Arroyo Improvements	Cranes	0	7.00	231	0.29
South-1 950 Raymond Improvements	Cranes	0	7.00	231	0.29
Hillside-2 South Building Renovation	Cranes	0	7.00	231	0.29
Hillside-2 South Building Construction	Cranes	1	4.00	231	0.29
South-2 Raymond & North Quad	Cranes	1	4.00	231	0.29
Construction Hillside-1 Photovoltaic	Cranes	1	4.00	231	0.29
South-1 Arroyo Demo	Excavators	1	8.00	158	0.38
South-2 Raymond & North Quad Demo	Excavators	1	8.00	158	0.38
Hillside-1 Sinclair Demo	Excavators	1	8.00	158	0.38
South-1 Raymond Demo	Excavators	1	8.00	158	0.38
South-1 Arroyo Grading	Excavators	1	8.00	158	0.38
South-2 Raymond & North Quad	Excavators	1	8.00	158	0.38
Grading South-1 Raymond Building	Forklifts	2	8.00	89	0.20
South-1 Arroyo Construction	Forklifts	2	8.00	89	0.20
South-1 1111 Arroyo Improvements	Forklifts	1	8.00	89	0.20
South-1 950 Raymond Improvements	Forklifts	1	8.00	89	0.20
Hillside-2 South Building Renovation	Forklifts	1	8.00	89	0.20
Hillside-2 South Building Construction	Forklifts	1	8.00	89	0.20
South-2 Raymond & North Quad	Forklifts	2	8.00	89	0.20
Construction Hillside-1 Photovoltaic	Forklifts	1	8.00	89	0.20
South-1 Raymond Building	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Construction	Generator Sets	0	8.00	84	0.74
South-1 1111 Arroyo Improvements	Generator Sets	0	8.00	84	0.74
South-1 950 Raymond Improvements	Generator Sets	0	8.00	84	0.74
Hillside-2 South Building Renovation	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Construction	Air Compressors	2	8.00	78	0.48
South-1 Arroyo Construction	Aerial Lifts	2	8.00	63	0.31
South-1 Arroyo Construction	Cement and Mortar Mixers	2	8.00	9	0.56
South-1 Arroyo Construction	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Arroyo Construction	Pumps	1	8.00	84	0.74
South-1 Arroyo Construction	Plate Compactors	1	8.00	8	0.43
South-1 1111 Arroyo Improvements	Air Compressors	1	8.00	78	0.48
South-1 1111 Arroyo Improvements	Aerial Lifts	1	8.00	63	0.31
South-1 1111 Arroyo Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 1111 Arroyo Improvements	Skid Steer Loaders	1	8.00	65	0.37
South-1 950 Raymond Improvements	Air Compressors	1	8.00	78	0.48

Arts Center
CalEEMod Output - Construction (Localized)

South-1 950 Raymond Improvements	Aerial Lifts	1	8.00	63	0.31
South-1 950 Raymond Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 950 Raymond Improvements	Skid Steer Loaders	1	8.00	65	0.37
Hillside-2 South Building Renovation	Air Compressors	1	8.00	78	0.48
Hillside-2 South Building Renovation	Aerial Lifts	1	8.00	63	0.31
Hillside-2 South Building Renovation	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-2 South Building Renovation	Skid Steer Loaders	1	8.00	65	0.37
Hillside-2 South Building Construction	Air Compressors	1	8.00	78	0.48
Hillside-2 South Building Construction	Aerial Lifts	1	8.00	63	0.31
Hillside-2 South Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-2 South Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
South-2 Raymond & North Quad Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-2 Raymond & North Quad Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-2 Raymond & North Quad	Bore/Drill Rigs	1	8.00	221	0.50
South-2 Raymond & North Quad	Cranes	1	8.00	231	0.29
South-2 Raymond & North Quad	Rubber Tired Loaders	1	8.00	203	0.36
South-2 Raymond & North Quad	Welders	1	8.00	46	0.45
South-2 Raymond & North Quad	Cement and Mortar Mixers	1	8.00	9	0.56
South-2 Raymond & North Quad	Concrete/Industrial Saws	1	8.00	81	0.73
South-2 Raymond & North Quad	Cranes	1	4.00	231	0.29
South-2 Raymond & North Quad	Forklifts	2	8.00	89	0.20
South-2 Raymond & North Quad	Pumps	1	8.00	84	0.74
South-2 Raymond & North Quad	Plate Compactors	2	8.00	8	0.43
South-2 Raymond & North Quad	Welders	1	8.00	46	0.45
South-2 Raymond & North Quad	Air Compressors	2	8.00	78	0.48
South-2 Raymond & North Quad	Aerial Lifts	2	8.00	63	0.31
South-2 Raymond & North Quad	Cement and Mortar Mixers	2	8.00	9	0.56
South-2 Raymond & North Quad	Concrete/Industrial Saws	1	8.00	81	0.73
South-2 Raymond & North Quad	Pumps	1	8.00	84	0.74
South-2 Raymond & North Quad	Plate Compactors	1	8.00	8	0.43
South-2 Raymond & North Quad	Cement and Mortar Mixers	1	8.00	9	0.56
South-2 Raymond & North Quad	Skid Steer Loaders	1	8.00	65	0.37
South-2 Raymond & North Quad	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Sinclair	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Annex	4	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Annex	3	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond	14	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Arroyo	14	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 1111 Arroyo	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 950 Raymond	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-2 South	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

Arts Center
CalEEMod Output - Construction (Localized)

Hillside-2 South	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction South-2 Raymond & North Quad	14	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Photovoltaic	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Arroyo Demo	4	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-2 Raymond & North Quad Demo	4	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Sinclair Demo	4	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond	4	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Arroyo	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading South-2 Raymond & North Quad Grading	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving South-2 Raymond & North Quad Paving	5	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Parking	12	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundation South-1 Arroyo	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Foundation South-2 Raymond & North Quad	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area
Clean Paved Roads

3.3 Hillside-1 Annex Demo - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Fugitive Dust					0.6198	0.0000	0.6198	0.0938	0.0000	0.0938							0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.888					2,066.407
Total	1.5044	14.9655	11.0719	0.0208	0.6198	0.7840	1.4038	0.0938	0.7427	0.8365		2,053.888					2,066.407

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
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
Worker	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

Mitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Localized)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.2417	0.0000	0.2417	0.0366	0.0000	0.0366						0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881				2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.2417	0.7840	1.0257	0.0366	0.7427	0.7793		2,053.8881				2,066.4078

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
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
Worker	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

3.4 Hillside-1 Photovoltaic - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7479	15.2829	12.4044	0.0201		0.9614	0.9614		0.9231	0.9231		1,944.2521				1,953.6273
Total	1.7479	15.2829	12.4044	0.0201		0.9614	0.9614		0.9231	0.9231		1,944.2521				1,953.6273

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
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
Worker	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

Arts Center
CalEEMod Output - Construction (Localized)

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	1.7479	15.2829	12.4044	0.0201		0.9614	0.9614		0.9231	0.9231		1,944.2521				1,953.6273
Total	1.7479	15.2829	12.4044	0.0201		0.9614	0.9614		0.9231	0.9231		1,944.2521				1,953.6273

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
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
Worker	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

3.5 Hillside-1 Parking - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6180	14.7170	12.5477	0.0191		0.9520	0.9520		0.8984	0.8984		1,864.5731				1,875.3573
Paving	0.1416					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.7596	14.7170	12.5477	0.0191		0.9520	0.9520		0.8984	0.8984		1,864.5731				1,875.3573

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
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

Arts Center
CalEEMod Output - Construction (Localized)

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	1.6180	14.7170	12.5477	0.0191		0.9520	0.9520		0.8984	0.8984		1,864.5731				1,875.3573
Paving	0.1416					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.7596	14.7170	12.5477	0.0191		0.9520	0.9520		0.8984	0.8984		1,864.5731				1,875.3573

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
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
Worker	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

3.6 Hillside-1 Annex Paving/Landscape - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5872	6.3651	5.8637	8.7600e-003		0.3611	0.3611		0.3322	0.3322		881.7941				888.6570
Paving	0.9203					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.5075	6.3651	5.8637	8.7600e-003		0.3611	0.3611		0.3322	0.3322		881.7941				888.6570

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					

Arts Center
CalEEMod Output - Construction (Localized)

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	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	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	0.5872	6.3651	5.8637	8.7600e-003		0.3611	0.3611		0.3322	0.3322		881.7941				888.6570
Paving	0.9203					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.5075	6.3651	5.8637	8.7600e-003		0.3611	0.3611		0.3322	0.3322		881.7941				888.6570

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
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
Worker	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

3.7 Hillside-1 Sinclair Demo - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3646	0.0000	0.3646	0.0552	0.0000	0.0552						0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881				2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.3646	0.7840	1.1486	0.0552	0.7427	0.7979		2,053.8881				2,066.4078

Unmitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Localized)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
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
Worker	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

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					0.1422	0.0000	0.1422	0.0215	0.0000	0.0215						0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881				2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.1422	0.7840	0.9262	0.0215	0.7427	0.7642		2,053.8881				2,066.4078

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
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
Worker	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

3.8 South-1 Raymond Demo - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9114	0.0000	0.9114	0.1380	0.0000	0.1380						0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881				2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.9114	0.7840	1.6955	0.1380	0.7427	0.8807		2,053.8881				2,066.4078

Arts Center
CalEEMod Output - Construction (Localized)

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
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
Worker	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

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					0.3555	0.0000	0.3555	0.0538	0.0000	0.0538						0.0000
Off-Road	1.5044	14.9655	11.0719	0.0208		0.7840	0.7840		0.7427	0.7427		2,053.8881				2,066.4078
Total	1.5044	14.9655	11.0719	0.0208	0.3555	0.7840	1.1395	0.0538	0.7427	0.7965		2,053.8881				2,066.4078

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
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
Worker	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

3.9 Hillside-1 Sinclair Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8484	14.6244	11.7506	0.0180		0.9336	0.9336		0.8853	0.8853		1,712.8528				1,723.2725
Total	1.8484	14.6244	11.7506	0.0180		0.9336	0.9336		0.8853	0.8853		1,712.8528				1,723.2725

Arts Center
CalEEMod Output - Construction (Localized)

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
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
Worker	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

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	1.8484	14.6244	11.7506	0.0180		0.9336	0.9336		0.8853	0.8853		1,712.8528				1,723.2725
Total	1.8484	14.6244	11.7506	0.0180		0.9336	0.9336		0.8853	0.8853		1,712.8528				1,723.2725

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
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
Worker	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

3.10 South-1 Raymond Grading - 2018

Unmitigated Construction On-Site

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

Arts Center
CalEEMod Output - Construction (Localized)

Fugitive Dust					0.0628	0.0000	0.0628	9.5100e-003	0.0000	9.5100e-003						0.0000
Off-Road	2.0327	21.1197	11.4837	0.0291		0.8581	0.8581		0.7985	0.7985		2,880.8766				2,902.6781
Total	2.0327	21.1197	11.4837	0.0291	0.0628	0.8581	0.9209	9.5100e-003	0.7985	0.8080		2,880.8766				2,902.6781

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
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
Worker	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

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					0.0245	0.0000	0.0245	3.7100e-003	0.0000	3.7100e-003						0.0000
Off-Road	2.0327	21.1197	11.4837	0.0291		0.8581	0.8581		0.7985	0.7985		2,880.8766				2,902.6781
Total	2.0327	21.1197	11.4837	0.0291	0.0245	0.8581	0.8826	3.7100e-003	0.7985	0.8022		2,880.8766				2,902.6781

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
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
Worker	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

3.11 South-1 Raymond Foundation - 2018

Unmitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Localized)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2734	17.2018	13.8012	0.0230		1.0897	1.0897		1.0578	1.0578		2,140.5263				2,148.8101
Total	2.2734	17.2018	13.8012	0.0230		1.0897	1.0897		1.0578	1.0578		2,140.5263				2,148.8101

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
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
Worker	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2734	17.2018	13.8012	0.0230		1.0897	1.0897		1.0578	1.0578		2,140.5263				2,148.8101
Total	2.2734	17.2018	13.8012	0.0230		1.0897	1.0897		1.0578	1.0578		2,140.5263				2,148.8101

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
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
Worker	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

3.12 South-1 Raymond Building - 2018

Arts Center
CalEEMod Output - Construction (Localized)

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	3.6142	25.7710	22.8843	0.0371		1.6488	1.6488		1.6137	1.6137		3,452.4582				3,466.1911
Total	3.6142	25.7710	22.8843	0.0371		1.6488	1.6488		1.6137	1.6137		3,452.4582				3,466.1911

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
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
Worker	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

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	3.6142	25.7710	22.8843	0.0371		1.6488	1.6488		1.6137	1.6137		3,452.4582				3,466.1911
Total	3.6142	25.7710	22.8843	0.0371		1.6488	1.6488		1.6137	1.6137		3,452.4582				3,466.1911

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
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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000				0.0000

Arts Center
CalEEMod Output - Construction (Localized)

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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3.12 South-1 Raymond Building - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	3.2241	23.7747	22.5556	0.0371		1.4307	1.4307		1.4001	1.4001		3,437.4092				3,450.4468
Total	3.2241	23.7747	22.5556	0.0371		1.4307	1.4307		1.4001	1.4001		3,437.4092				3,450.4468

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
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
Worker	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

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	3.2241	23.7747	22.5556	0.0371		1.4307	1.4307		1.4001	1.4001		3,437.4092				3,450.4468
Total	3.2241	23.7747	22.5556	0.0371		1.4307	1.4307		1.4001	1.4001		3,437.4092				3,450.4468

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

Arts Center
CalEEMod Output - Construction (Localized)

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.13 South-1 Raymond Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6292	6.3399	6.7351	0.0105		0.3438	0.3438		0.3182	0.3182		1,000.4695				1,007.9313
Paving	0.8495					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.4787	6.3399	6.7351	0.0105		0.3438	0.3438		0.3182	0.3182		1,000.4695				1,007.9313

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
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
Worker	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

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	0.6292	6.3399	6.7351	0.0105		0.3438	0.3438		0.3182	0.3182		1,000.4695				1,007.9313
Paving	0.8495					0.0000	0.0000		0.0000	0.0000						0.0000
Total	1.4787	6.3399	6.7351	0.0105		0.3438	0.3438		0.3182	0.3182		1,000.4695				1,007.9313

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					

Arts Center
CalEEMod Output - Construction (Localized)

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
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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000

3.14 South-1 Arroyo Demo - 2021

Unmitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					1.0254	0.0000	1.0254	0.1553	0.0000	0.1553						0.0000
Off-Road	1.1443	10.9509	10.8048	0.0208		0.5182	0.5182		0.4906	0.4906		1,998.9829				2,011.2141
Total	1.1443	10.9509	10.8048	0.0208	1.0254	0.5182	1.5435	0.1553	0.4906	0.6458		1,998.9829				2,011.2141

Unmitigated Construction Off-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
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
Worker	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

Mitigated Construction On-Site

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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					0.3999	0.0000	0.3999	0.0606	0.0000	0.0606						0.0000
Off-Road	1.1443	10.9509	10.8048	0.0208		0.5182	0.5182		0.4906	0.4906		1,998.9829				2,011.2141
Total	1.1443	10.9509	10.8048	0.0208	0.3999	0.5182	0.9181	0.0606	0.4906	0.5511		1,998.9829				2,011.2141

Mitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Localized)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
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
Worker	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

3.15 South-1 Arroyo 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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	1.5459	15.3982	10.6461	0.0292		0.5959	0.5959		0.5542	0.5542		2,783.6971				2,805.2025
Total	1.5459	15.3982	10.6461	0.0292	0.0000	0.5959	0.5959	0.0000	0.5542	0.5542		2,783.6971				2,805.2025

Unmitigated Construction Off-Site

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

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000						0.0000
Off-Road	1.5459	15.3982	10.6461	0.0292		0.5959	0.5959		0.5542	0.5542		2,783.6971				2,805.2025
Total	1.5459	15.3982	10.6461	0.0292	0.0000	0.5959	0.5959	0.0000	0.5542	0.5542		2,783.6971				2,805.2025

Arts Center
CalEEMod Output - Construction (Localized)

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
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
Worker	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

3.16 South-1 Arroyo Foundation - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6720	13.4105	13.1899	0.0230		0.7245	0.7245		0.7033	0.7033		2,118.0842				2,125.4323
Total	1.6720	13.4105	13.1899	0.0230		0.7245	0.7245		0.7033	0.7033		2,118.0842				2,125.4323

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
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
Worker	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

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	1.6720	13.4105	13.1899	0.0230		0.7245	0.7245		0.7033	0.7033		2,118.0842				2,125.4323

Arts Center
CalEEMod Output - Construction (Localized)

Total	1.6720	13.4105	13.1899	0.0230		0.7245	0.7245		0.7033	0.7033		2,118,084 2				2,125,432 3
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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
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
Worker	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

3.17 South-1 Arroyo Construction - 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	2.6520	20.3091	22.0416	0.0371		1.0770	1.0770		1.0539	1.0539		3,417.366 7				3,429.349 2
Total	2.6520	20.3091	22.0416	0.0371		1.0770	1.0770		1.0539	1.0539		3,417.366 7				3,429.349 2

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
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
Worker	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

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
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Arts Center
CalEEMod Output - Construction (Localized)

Category	lb/day										lb/day					
Off-Road	2.6520	20.3091	22.0416	0.0371		1.0770	1.0770		1.0539	1.0539		3,417.3667				3,429.3492
Total	2.6520	20.3091	22.0416	0.0371		1.0770	1.0770		1.0539	1.0539		3,417.3667				3,429.3492

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
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
Worker	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

3.17 South-1 Arroyo 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	2.4520	18.7619	21.8934	0.0371		0.9374	0.9374		0.9176	0.9176		3,417.4114				3,429.1118
Total	2.4520	18.7619	21.8934	0.0371		0.9374	0.9374		0.9176	0.9176		3,417.4114				3,429.1118

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
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
Worker	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

Mitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Localized)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.4520	18.7619	21.8934	0.0371		0.9374	0.9374		0.9176	0.9176		3,417.4114				3,429.1118
Total	2.4520	18.7619	21.8934	0.0371		0.9374	0.9374		0.9176	0.9176		3,417.4114				3,429.1118

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
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
Worker	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

3.18 South-1 1111 Arroyo Improvements - 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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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
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
Worker	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

Arts Center
CalEEMod Output - Construction (Localized)

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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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
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
Worker	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

3.19 South-1 950 Raymond Improvements - 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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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
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

Arts Center
CalEEMod Output - Construction (Localized)

Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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
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
Worker	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

3.20 Hillside-2 South Building Renovation - 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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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					

Arts Center
CalEEMod Output - Construction (Localized)

Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201
Total	1.1264	8.6858	11.4135	0.0181		0.4378	0.4378		0.4286	0.4286		1,686.4484				1,692.6201

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
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
Worker	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

3.21 Hillside-2 South 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	1.3021	10.2175	11.2810	0.0196		0.5045	0.5045		0.4911	0.4911		1,815.9886				1,822.9304
Total	1.3021	10.2175	11.2810	0.0196		0.5045	0.5045		0.4911	0.4911		1,815.9886				1,822.9304

Unmitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Localized)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	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
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
Worker	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

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	1.3021	10.2175	11.2810	0.0196		0.5045	0.5045		0.4911	0.4911		1,815.9886				1,822.9304
Total	1.3021	10.2175	11.2810	0.0196		0.5045	0.5045		0.4911	0.4911		1,815.9886				1,822.9304

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
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
Worker	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

3.22 South-2 Raymond & North Quad Demo - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4293	0.0000	0.4293	0.0650	0.0000	0.0650						0.0000
Off-Road	1.0162	9.2788	10.6890	0.0208		0.4277	0.4277		0.4055	0.4055		1,999.5832				2,011.7671
Total	1.0162	9.2788	10.6890	0.0208	0.4293	0.4277	0.8570	0.0650	0.4055	0.4705		1,999.5832				2,011.7671

Arts Center
CalEEMod Output - Construction (Localized)

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
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
Worker	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

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					0.1674	0.0000	0.1674	0.0254	0.0000	0.0254						0.0000
Off-Road	1.0162	9.2788	10.6890	0.0208		0.4277	0.4277		0.4055	0.4055		1,999.5832				2,011.7670
Total	1.0162	9.2788	10.6890	0.0208	0.1674	0.4277	0.5951	0.0254	0.4055	0.4308		1,999.5832				2,011.7670

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
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
Worker	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

3.23 South-2 Raymond & North Quad Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0816	0.0000	0.0816	0.0124	0.0000	0.0124						0.0000
Off-Road	1.3676	12.7156	10.4157	0.0292		0.4978	0.4978		0.4631	0.4631		2,785.5485				2,807.0141

Arts Center
CalEEMod Output - Construction (Localized)

Total	1.3676	12.7156	10.4157	0.0292	0.0816	0.4978	0.5794	0.0124	0.4631	0.4754		2,785.5485				2,807.0141
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	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
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
Worker	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

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					0.0318	0.0000	0.0318	4.8200e-003	0.0000	4.8200e-003						0.0000
Off-Road	1.3676	12.7156	10.4157	0.0292		0.4978	0.4978		0.4631	0.4631		2,785.5485				2,807.0141
Total	1.3676	12.7156	10.4157	0.0292	0.0318	0.4978	0.5296	4.8200e-003	0.4631	0.4679		2,785.5485				2,807.0141

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
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
Worker	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

3.24 South-2 Raymond & North Quad Foundation - 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					

Arts Center
CalEEMod Output - Construction (Localized)

Off-Road	1.5390	12.3056	13.0754	0.0230		0.6302	0.6302		0.6121	0.6121		2,118.1289				2,125.3157
Total	1.5390	12.3056	13.0754	0.0230		0.6302	0.6302		0.6121	0.6121		2,118.1289				2,125.3157

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
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
Worker	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

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	1.5390	12.3056	13.0754	0.0230		0.6302	0.6302		0.6121	0.6121		2,118.1289				2,125.3157
Total	1.5390	12.3056	13.0754	0.0230		0.6302	0.6302		0.6121	0.6121		2,118.1289				2,125.3157

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
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
Worker	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

3.24 South-2 Raymond & North Quad Foundation - 2023

Unmitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Localized)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.4357	11.4555	12.9967	0.0230		0.5504	0.5504		0.5345	0.5345		2,118.1244				2,125.0959
Total	1.4357	11.4555	12.9967	0.0230		0.5504	0.5504		0.5345	0.5345		2,118.1244				2,125.0959

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
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
Worker	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

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	1.4357	11.4555	12.9967	0.0230		0.5504	0.5504		0.5345	0.5345		2,118.1244				2,125.0959
Total	1.4357	11.4555	12.9967	0.0230		0.5504	0.5504		0.5345	0.5345		2,118.1244				2,125.0959

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
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
Worker	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

3.25 South-2 Raymond & North Quad Construction - 2023

Arts Center
CalEEMod Output - Construction (Localized)

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2892	17.5341	21.7862	0.0371		0.8173	0.8173		0.8000	0.8000		3,417.4068				3,428.7382
Total	2.2892	17.5341	21.7862	0.0371		0.8173	0.8173		0.8000	0.8000		3,417.4068				3,428.7382

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
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
Worker	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2892	17.5341	21.7862	0.0371		0.8173	0.8173		0.8000	0.8000		3,417.4068				3,428.7382
Total	2.2892	17.5341	21.7862	0.0371		0.8173	0.8173		0.8000	0.8000		3,417.4068				3,428.7382

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
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
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000				0.0000

Arts Center
CalEEMod Output - Construction (Localized)

Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
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3.25 South-2 Raymond & North Quad Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1536	16.5639	21.7030	0.0371		0.7168	0.7168		0.7014	0.7014		3,417.3999				3,428.5386
Total	2.1536	16.5639	21.7030	0.0371		0.7168	0.7168		0.7014	0.7014		3,417.3999				3,428.5386

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
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
Worker	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

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.1536	16.5639	21.7030	0.0371		0.7168	0.7168		0.7014	0.7014		3,417.3998				3,428.5386
Total	2.1536	16.5639	21.7030	0.0371		0.7168	0.7168		0.7014	0.7014		3,417.3998				3,428.5386

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

Arts Center
CalEEMod Output - Construction (Localized)

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

3.26 South-2 Raymond & North Quad Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5755	5.6633	8.3484	0.0126		0.2603	0.2603		0.2406	0.2406		1,201.4617				1,210.8988
Paving	0.2796					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.8551	5.6633	8.3484	0.0126		0.2603	0.2603		0.2406	0.2406		1,201.4617				1,210.8988

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
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
Worker	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

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	0.5755	5.6633	8.3484	0.0126		0.2603	0.2603		0.2406	0.2406		1,201.4617				1,210.8988
Paving	0.2796					0.0000	0.0000		0.0000	0.0000						0.0000
Total	0.8551	5.6633	8.3484	0.0126		0.2603	0.2603		0.2406	0.2406		1,201.4617				1,210.8988

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
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Arts Center
CalEEMod Output - Construction (Localized)

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
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
Worker	0.0000	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

Arts Center
Localized Significance Threshold Calculation (Interpolation)

Step 1. Determine Allowable Increase using 98th percentile NO2 and Max NO2 data

Pasadena NO2 Monitoring Data

Stn #	City	Design Value	98th percentile, ppb		
		2013-2015	2013	2014	2015
	Pasadena	59	60	60	56

Threshold (ppb) Allowable Increase (ppb)
100 41

Stn #	City	Design Value	Max Hourly, ppb		
		2006-2008	2006	2007	2008
	Pasadena	120	120	92	105

Threshold (ppb) Allowable Increase (ppb)
180 60

Max Hourly vs. 98th Percentile Ratio (Allowable Increase) 69%

Step 2. Use ratio in Step 1 to determine LST lookup value. Extrapolate/Interpolate LST look-up value for project area

LST Threshold (SRA 8, 50 meter receptor)

Project Size (acres)	NO2 (lbs/day)	98th Percentile NO2 (lbs/day)	CO (lbs/day)	Construction		Operations	
				PM10 (lbs/day)	PM2.5 (lbs/day)	PM10 (lbs/day)	PM2.5 (lbs/day)
5	141	97	1921	37	9	9	3

Art Center

Draft EIR

Appendix C

Air Quality and Greenhouse Gas Worksheets and
Modeling Output Files

- Appendix C.2: Operational Emissions Inventory
 - CalEEMod Outputs – Operations (Baseline and Project)
 - Baseline (Existing)
 - Baseline (Buildout Year)
 - Buildout

ArtsCenter - Existing 2016 - Los Angeles-South Coast County, Winter

ArtsCenter - Existing 2016
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.92	1000sqft	1.05	45,923.00	0
University/College (4Yr)	1,893.00	Student	7.99	410,380.00	0
Enclosed Parking with Elevator	355.00	Space	3.19	142,000.00	0
Parking Lot	1,293.00	Space	11.64	517,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2016
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MW hr)	1664.14	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
Land Use - Existing
Construction Phase - No construction
Off-road Equipment - No construction
Vehicle Trips - Traffic Study

Arts Center
CalEEMod Output - Operations (Existing)

Energy Use - Historical

Stationary Sources - Emergency Generators and Fire Pumps - Existing

Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.92	0.35
tblLandUse	BuildingSpaceSquareFeet	45,920.00	45,923.00
tblLandUse	BuildingSpaceSquareFeet	347,928.61	410,380.00
tblLandUse	LandUseSquareFeet	45,920.00	45,923.00
tblLandUse	LandUseSquareFeet	347,928.61	410,380.00
tblProjectCharacteristics	OperationalYear	2018	2016
tblStationaryGeneratorsPumpsUse	HorsePowerValue	600.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	4.00
tblVehicleTrips	ST_TR	2.46	2.09
tblVehicleTrips	ST_TR	1.30	1.57
tblVehicleTrips	SU_TR	1.05	0.89
tblVehicleTrips	WD_TR	11.03	9.36
tblVehicleTrips	WD_TR	1.71	2.07

2.0 Emissions Summary

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	10.5140	3.6000e-003	0.3756	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.7850	0.7850	2.2200e-003		0.8406

**Arts Center
CalEEMod Output - Operations (Existing)**

Energy	0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004
Mobile	12.8741	54.9314	164.7569	0.3810	27.9931	0.6155	28.6085	7.4963	0.5816	8.0778		38,567.0233	38,567.0233	2.7958		38,636.9173
Stationary	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	25.4260	63.1286	172.3467	0.4106	27.9931	1.1323	29.1254	7.4963	1.0984	8.5947		43,735.6021	43,735.6021	2.9986	0.0794	43,834.2150

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	10.5140	3.6000e-003	0.3756	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.7850	0.7850	2.2200e-003		0.8406
Energy	0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004
Mobile	12.8741	54.9314	164.7569	0.3810	27.9931	0.6155	28.6085	7.4963	0.5816	8.0778		38,567.0233	38,567.0233	2.7958		38,636.9173
Stationary	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	25.4260	63.1286	172.3467	0.4106	27.9931	1.1323	29.1254	7.4963	1.0984	8.5947		43,735.6021	43,735.6021	2.9986	0.0794	43,834.2150

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Arts Center
CalEEMod Output - Operations (Existing)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	12.8741	54.9314	164.7569	0.3810	27.9931	0.6155	28.6085	7.4963	0.5816	8.0778		38,567.02 33	38,567.023 3	2.7958		38,636.91 73
Unmitigated	12.8741	54.9314	164.7569	0.3810	27.9931	0.6155	28.6085	7.4963	0.5816	8.0778		38,567.02 33	38,567.023 3	2.7958		38,636.91 73

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	429.81	95.97	40.87	1,051,990	1,051,990
Parking Lot	0.00	0.00	0.00		
University/College (4Yr)	3,918.51	2,972.01	0.00	9,683,057	9,683,057
Total	4,348.32	3,067.98	40.87	10,735,047	10,735,047

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Arts Center
CalEEMod Output - Operations (Existing)

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
University/College (4Yr)	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Enclosed Parking with Elevator	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Parking Lot	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004
NaturalGas Unmitigated	0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004

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
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Arts Center
CalEEMod Output - Operations (Existing)

Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	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
General Office Building	1565.16	0.0169	0.1535	0.1289	9.2000e-004		0.0117	0.0117		0.0117	0.0117		184.1361	184.1361	3.5300e-003	3.3800e-003	185.2303
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
University/College (4Yr)	35225.2	0.3799	3.4535	2.9009	0.0207		0.2625	0.2625		0.2625	0.2625		4,144.1436	4,144.1436	0.0794	0.0760	4,168.7701
Total		0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Enclosed Parking with Elevator	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
General Office Building	1,565.16	0.0169	0.1535	0.1289	9.2000e-004		0.0117	0.0117		0.0117	0.0117		184.1361	184.1361	3.5300e-003	3.3800e-003	185.2303
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
University/College (4Yr)	35,225.2	0.3799	3.4535	2.9009	0.0207		0.2625	0.2625		0.2625	0.2625		4,144.1436	4,144.1436	0.0794	0.0760	4,168.7701
Total		0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004

6.0 Area Detail

6.1 Mitigation Measures Area

Arts Center
CalEEMod Output - Operations (Existing)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	10.5140	3.6000e-003	0.3756	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.7850	0.7850	2.2200e-003		0.8406
Unmitigated	10.5140	3.6000e-003	0.3756	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.7850	0.7850	2.2200e-003		0.8406

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.2683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0366	3.6000e-003	0.3756	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.7850	0.7850	2.2200e-003		0.8406
Total	10.5140	3.6000e-003	0.3756	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.7850	0.7850	2.2200e-003		0.8406

Mitigated

Arts Center
CalEEMod Output - Operations (Existing)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.2683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0366	3.6000e-003	0.3756	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.7850	0.7850	2.2200e-003		0.8406
Total	10.5140	3.6000e-003	0.3756	3.0000e-005		1.3600e-003	1.3600e-003		1.3600e-003	1.3600e-003		0.7850	0.7850	2.2200e-003		0.8406

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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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
Emergency Generator	4	0.5	12	500	0.73	Diesel

Boilers

Arts Center
CalEEMod Output - Operations (Existing)

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (200,000 HP)	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566

11.0 Vegetation

ArtsCenter - No Project 2032 - Los Angeles-South Coast County, Winter

ArtsCenter - No Project 2032
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.92	1000sqft	1.05	45,923.00	0
University/College (4Yr)	1,893.00	Student	7.99	410,380.00	0
Enclosed Parking with Elevator	355.00	Space	3.19	142,000.00	0
Parking Lot	1,293.00	Space	11.64	517,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MW hr)	865.28	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Carbon Intensity Factor for RPS of 50 Percent (SB 350)

Land Use - Existing

Construction Phase - No construction

Off-road Equipment - No construction

Off-road Equipment -

Arts Center
CalEEMod Output - Operations (Future No Project)

Vehicle Trips - Traffic Study

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - Historical

Stationary Sources - Emergency Generators and Fire Pumps - Existing

Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.92	0.35
tblLandUse	BuildingSpaceSquareFeet	45,920.00	45,923.00
tblLandUse	BuildingSpaceSquareFeet	347,928.61	410,380.00
tblLandUse	LandUseSquareFeet	45,920.00	45,923.00
tblLandUse	LandUseSquareFeet	347,928.61	410,380.00
tblProjectCharacteristics	CO2IntensityFactor	1664.14	865.28
tblProjectCharacteristics	OperationalYear	2018	2032
tblStationaryGeneratorsPumpsUse	HorsePowerValue	600.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	4.00
tblVehicleTrips	ST_TR	2.46	2.09
tblVehicleTrips	ST_TR	1.30	1.57
tblVehicleTrips	SU_TR	1.05	0.89
tblVehicleTrips	WD_TR	11.03	9.36
tblVehicleTrips	WD_TR	1.71	2.07

2.0 Emissions Summary

2.2 Overall Operational

Unmitigated Operational

Arts Center
CalEEMod Output - Operations (Future No Project)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	10.5107	3.2800e-003	0.3644	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		0.7850	0.7850	2.0200e-003		0.8356
Energy	0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004
Mobile	4.4243	23.7599	54.9880	0.2645	27.9671	0.1587	28.1258	7.4814	0.1475	7.6288		27,135.6735	27,135.6735	1.1404		27,164.1835
Stationary	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	16.9728	31.9568	62.5666	0.2941	27.9671	0.6755	28.6427	7.4814	0.6643	8.1457		32,304.2522	32,304.2522	1.3431	0.0794	32,361.4761

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	10.5107	3.2800e-003	0.3644	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		0.7850	0.7850	2.0200e-003		0.8356
Energy	0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004
Mobile	4.4243	23.7599	54.9880	0.2645	27.9671	0.1587	28.1258	7.4814	0.1475	7.6288		27,135.6735	27,135.6735	1.1404		27,164.1835
Stationary	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	16.9728	31.9568	62.5666	0.2941	27.9671	0.6755	28.6427	7.4814	0.6643	8.1457		32,304.2522	32,304.2522	1.3431	0.0794	32,361.4761

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Arts Center
CalEEMod Output - Operations (Future No Project)

Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.4243	23.7599	54.9880	0.2645	27.9671	0.1587	28.1258	7.4814	0.1475	7.6288	27,135.6735	27,135.6735	1.1404			27,164.1835
Unmitigated	4.4243	23.7599	54.9880	0.2645	27.9671	0.1587	28.1258	7.4814	0.1475	7.6288	27,135.6735	27,135.6735	1.1404			27,164.1835

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	429.81	95.97	40.87	1,051,990	1,051,990
Parking Lot	0.00	0.00	0.00		
University/College (4Yr)	3,918.51	2,972.01	0.00	9,683,057	9,683,057
Total	4,348.32	3,067.98	40.87	10,735,047	10,735,047

4.3 Trip Type Information

	Miles	Trip %	Trip Purpose %
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Arts Center
CalEEMod Output - Operations (Future No Project)

Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
University/College (4Yr)	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Enclosed Parking with Elevator	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Parking Lot	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004
NaturalGas Unmitigated	0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004

Arts Center
CalEEMod Output - Operations (Future No Project)

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					
Enclosed Parking with Elevator	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
General Office Building	1565.16	0.0169	0.1535	0.1289	9.2000e-004		0.0117	0.0117		0.0117	0.0117		184.1361	184.1361	3.5300e-003	3.3800e-003	185.2303
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
University/College (4Yr)	35225.2	0.3799	3.4535	2.9009	0.0207		0.2625	0.2625		0.2625	0.2625		4,144.1436	4,144.1436	0.0794	0.0760	4,168.7701
Total		0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004

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					
Enclosed Parking with Elevator	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
General Office Building	1,565.16	0.0169	0.1535	0.1289	9.2000e-004		0.0117	0.0117		0.0117	0.0117		184.1361	184.1361	3.5300e-003	3.3800e-003	185.2303
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
University/College (4Yr)	35,225.2	0.3799	3.4535	2.9009	0.0207		0.2625	0.2625		0.2625	0.2625		4,144.1436	4,144.1436	0.0794	0.0760	4,168.7701
Total		0.3968	3.6069	3.0298	0.0216		0.2741	0.2741		0.2741	0.2741		4,328.2796	4,328.2796	0.0830	0.0794	4,354.0004

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	10.5107	3.2800e-003	0.3644	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		0.7850	0.7850	2.0200e-003		0.8356
Unmitigated	10.5107	3.2800e-003	0.3644	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		0.7850	0.7850	2.0200e-003		0.8356

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.2683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0333	3.2800e-003	0.3644	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		0.7850	0.7850	2.0200e-003		0.8356
Total	10.5107	3.2800e-003	0.3644	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		0.7850	0.7850	2.0200e-003		0.8356

Arts Center
CalEEMod Output - Operations (Future No Project)

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	1.2091					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	9.2683					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.0333	3.2800e-003	0.3644	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		0.7850	0.7850	2.0200e-003		0.8356
Total	10.5107	3.2800e-003	0.3644	3.0000e-005		1.2900e-003	1.2900e-003		1.2900e-003	1.2900e-003		0.7850	0.7850	2.0200e-003		0.8356

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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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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Arts Center
CalEEMod Output - Operations (Future No Project)

Emergency Generator	4	0.5	12	500	0.73 Diesel
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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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (500,000 HP)	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566

11.0 Vegetation

ArtsCenter - Project 2032 - Los Angeles-South Coast County, Winter

ArtsCenter - Project 2032
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.92	1000sqft	1.05	45,923.00	0
University/College (4Yr)	2,500.00	Student	10.55	536,952.00	0
Enclosed Parking with Elevator	1,171.00	Space	10.54	468,400.00	0
Parking Lot	937.00	Space	8.43	374,800.00	0
High Turnover (Sit Down Restaurant)	11.78	1000sqft	0.27	11,778.00	0
Movie Theater (No Matinee)	300.00	Seat	0.15	6,750.00	0
Apartments Mid Rise	380.00	Dwelling Unit	10.00	345,000.00	1087

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MW hr)	393	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Carbon Intensity Factor for RPS of 50 Percent (SB 350)

Land Use - Full buildout

Arts Center
CalEEMod Output - Operations (Future with Project)

- Construction Phase -
- Off-road Equipment -
- Trips and VMT -
- Architectural Coating -
- Vehicle Trips - Traffic Study
- Woodstoves - No woodstoves and assumed no fireplaces in dorms or out door amenities.
- Area Coating -
- Energy Use - 2016 Title 24
- Water Mitigation - CalGreen
- Waste Mitigation - California Integrated Waste Management Act
- Stationary Sources - Emergency Generators and Fire Pumps - existing
- Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	2.63	1.75
tblEnergyUse	T24E	194.04	139.71
tblEnergyUse	T24E	3.92	0.36
tblEnergyUse	T24E	4.82	4.58
tblEnergyUse	T24E	8.50	8.08
tblEnergyUse	T24E	2.36	2.24
tblEnergyUse	T24E	3.18	2.07
tblFireplaces	NumberGas	323.00	0.00
tblFireplaces	NumberNoFireplace	38.00	380.00
tblFireplaces	NumberWood	19.00	0.00
tblLandUse	BuildingSpaceSquareFeet	45,920.00	45,923.00
tblLandUse	BuildingSpaceSquareFeet	459,493.67	536,952.00
tblLandUse	BuildingSpaceSquareFeet	11,780.00	11,778.00
tblLandUse	BuildingSpaceSquareFeet	380,000.00	345,000.00
tblLandUse	LandUseSquareFeet	45,920.00	45,923.00

Arts Center
CalEEMod Output - Operations (Future with Project)

tblLandUse	LandUseSquareFeet	459,493.67	536,952.00
tblLandUse	LandUseSquareFeet	11,780.00	11,778.00
tblLandUse	LandUseSquareFeet	380,000.00	345,000.00
tblProjectCharacteristics	CO2IntensityFactor	1664.14	393
tblProjectCharacteristics	OperationalYear	2018	2032
tblStationaryGeneratorsPumpsUse	HorsePowerValue	600.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	4.00
tblVehicleTrips	ST_TR	6.39	2.24
tblVehicleTrips	ST_TR	2.46	2.09
tblVehicleTrips	ST_TR	158.37	71.13
tblVehicleTrips	ST_TR	2.24	1.69
tblVehicleTrips	ST_TR	1.30	1.57
tblVehicleTrips	SU_TR	5.86	2.05
tblVehicleTrips	SU_TR	1.05	0.89
tblVehicleTrips	SU_TR	131.84	59.21
tblVehicleTrips	SU_TR	1.85	1.40
tblVehicleTrips	WD_TR	6.65	2.33
tblVehicleTrips	WD_TR	11.03	9.36
tblVehicleTrips	WD_TR	127.15	57.10
tblVehicleTrips	WD_TR	1.76	1.33
tblVehicleTrips	WD_TR	1.71	2.07
tblWoodstoves	NumberCatalytic	19.00	0.00
tblWoodstoves	NumberNoncatalytic	19.00	0.00

2.0 Emissions Summary

Arts Center
CalEEMod Output - Operations (Future with Project)

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	22.2019	0.3650	31.7721	1.6900e-003		0.1757	0.1757		0.1757	0.1757	0.0000	57.5366	57.5366	0.0566	0.0000	58.9513
Energy	0.6553	5.8892	4.5031	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.0406	7,149.0406	0.1370	0.1311	7,191.5238
Mobile	7.7296	41.6264	93.8204	0.4478	47.1347	0.2695	47.4041	12.6089	0.2503	12.8592		45,942.0186	45,942.0186	1.9453		45,990.6515
Stationary	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	32.2279	52.4673	134.2800	0.4931	47.1347	1.1393	48.2740	12.6089	1.1202	13.7290	0.0000	53,988.1099	53,988.1099	2.2566	0.1311	54,083.5832

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	22.2019	0.3650	31.7721	1.6900e-003		0.1757	0.1757		0.1757	0.1757	0.0000	57.5366	57.5366	0.0566	0.0000	58.9513
Energy	0.6553	5.8892	4.5031	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.0406	7,149.0406	0.1370	0.1311	7,191.5238
Mobile	7.7296	41.6264	93.8204	0.4478	47.1347	0.2695	47.4041	12.6089	0.2503	12.8592		45,942.0186	45,942.0186	1.9453		45,990.6515
Stationary	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	32.2279	52.4673	134.2800	0.4931	47.1347	1.1393	48.2740	12.6089	1.1202	13.7290	0.0000	53,988.1099	53,988.1099	2.2566	0.1311	54,083.5832

Arts Center
CalEEMod Output - Operations (Future with Project)

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	7.7296	41.6264	93.8204	0.4478	47.1347	0.2695	47.4041	12.6089	0.2503	12.8592		45,942.0186	45,942.0186	1.9453		45,990.6515
Unmitigated	7.7296	41.6264	93.8204	0.4478	47.1347	0.2695	47.4041	12.6089	0.2503	12.8592		45,942.0186	45,942.0186	1.9453		45,990.6515

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	885.40	851.20	779.00	2,956,910	2,956,910
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	429.81	95.97	40.87	1,051,990	1,051,990
High Turnover (Sit Down Restaurant)	672.64	837.91	697.49	953,708	953,708
Movie Theater (No Matinee)	399.00	507.00	420.00	884,538	884,538
Parking Lot	0.00	0.00	0.00		
University/College (4Yr)	5,175.00	3,925.00	0.00	12,787,979	12,787,979

Arts Center
CalEEMod Output - Operations (Future with Project)

Total	7,561.85	6,217.08	1,937.36	18,635,125	18,635,125
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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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Movie Theater (No Matinee)	16.60	8.40	6.90	1.80	79.20	19.00	66	17	17
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
University/College (4Yr)	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Enclosed Parking with Elevator	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Parking Lot	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
High Turnover (Sit Down Restaurant)	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Movie Theater (No Matinee)	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Apartments Mid Rise	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Arts Center
CalEEMod Output - Operations (Future with Project)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.6553	5.8892	4.5031	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.0406	7,149.0406	0.1370	0.1311	7,191.5238
NaturalGas Unmitigated	0.6553	5.8892	4.5031	0.0358		0.4528	0.4528		0.4528	0.4528		7,149.0406	7,149.0406	0.1370	0.1311	7,191.5238

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	11618.5	0.1253	1.0707	0.4556	6.8300e-003		0.0866	0.0866		0.0866	0.0866		1,366.8866	1,366.8866	0.0262	0.0251	1,375.0094
Enclosed Parking with Elevator	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
General Office Building	1316.04	0.0142	0.1290	0.1084	7.7000e-004		9.8100e-003	9.8100e-003		9.8100e-003	9.8100e-003		154.8282	154.8282	2.9700e-003	2.8400e-003	155.7483
High Turnover (Sit Down Restaurant)	7453.05	0.0804	0.7307	0.6138	4.3800e-003		0.0555	0.0555		0.0555	0.0555		876.8299	876.8299	0.0168	0.0161	882.0404
Movie Theater (No Matinee)	335.836	3.6200e-003	0.0329	0.0277	2.0000e-004		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003		39.5101	39.5101	7.6000e-004	7.2000e-004	39.7449
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
University/College (4Yr)	40043.4	0.4318	3.9258	3.2977	0.0236		0.2984	0.2984		0.2984	0.2984		4,710.9858	4,710.9858	0.0903	0.0864	4,738.9808
Total		0.6553	5.8892	4.5031	0.0357		0.4528	0.4528		0.4528	0.4528		7,149.0406	7,149.0406	0.1370	0.1311	7,191.5238

Arts Center
CalEEMod Output - Operations (Future with Project)

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	11.6185	0.1253	1.0707	0.4556	6.8300e-003		0.0866	0.0866		0.0866	0.0866		1,366.8866	1,366.8866	0.0262	0.0251	1,375.0094
Enclosed Parking with Elevator	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
General Office Building	1.31604	0.0142	0.1290	0.1084	7.7000e-004		9.8100e-003	9.8100e-003		9.8100e-003	9.8100e-003		154.8282	154.8282	2.9700e-003	2.8400e-003	155.7483
High Turnover (Sit Down Restaurant)	7.45305	0.0804	0.7307	0.6138	4.3800e-003		0.0555	0.0555		0.0555	0.0555		876.8299	876.8299	0.0168	0.0161	882.0404
Movie Theater (No Matinee)	0.335836	3.6200e-003	0.0329	0.0277	2.0000e-004		2.5000e-003	2.5000e-003		2.5000e-003	2.5000e-003		39.5101	39.5101	7.6000e-004	7.2000e-004	39.7449
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
University/College (4Yr)	40.0434	0.4318	3.9258	3.2977	0.0236		0.2984	0.2984		0.2984	0.2984		4,710.9858	4,710.9858	0.0903	0.0864	4,738.9808
Total		0.6553	5.8892	4.5031	0.0357		0.4528	0.4528		0.4528	0.4528		7,149.0406	7,149.0406	0.1370	0.1311	7,191.5238

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Arts Center
CalEEMod Output - Operations (Future with Project)

Category	lb/day										lb/day					
Mitigated	22.2019	0.3650	31.7721	1.6900e-003		0.1757	0.1757		0.1757	0.1757	0.0000	57.5366	57.5366	0.0566	0.0000	58.9513
Unmitigated	22.2019	0.3650	31.7721	1.6900e-003		0.1757	0.1757		0.1757	0.1757	0.0000	57.5366	57.5366	0.0566	0.0000	58.9513

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	2.1831					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.0374					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9814	0.3650	31.7721	1.6900e-003		0.1757	0.1757		0.1757	0.1757		57.5366	57.5366	0.0566		58.9513
Total	22.2019	0.3650	31.7721	1.6900e-003		0.1757	0.1757		0.1757	0.1757	0.0000	57.5366	57.5366	0.0566	0.0000	58.9513

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					

Arts Center
CalEEMod Output - Operations (Future with Project)

Architectural Coating	2.1831				0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	19.0374				0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.9814	0.3650	31.7721	1.6900e-003	0.1757	0.1757		0.1757	0.1757		57.5366	57.5366	0.0566		58.9513
Total	22.2019	0.3650	31.7721	1.6900e-003	0.1757	0.1757		0.1757	0.1757	0.0000	57.5366	57.5366	0.0566	0.0000	58.9513

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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
Emergency Generator	4	0.5	12	500	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	lb/day										lb/day					
Emergency Generator - Diesel (200 - 200 HP)	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566
Total	1.6411	4.5867	4.1844	7.8900e-003		0.2414	0.2414		0.2414	0.2414		839.5141	839.5141	0.1177		842.4566

11.0 Vegetation

Arts Center

Draft EIR

Appendix C

Air Quality and Greenhouse Gas Worksheets and
Modeling Output Files

- Appendix C.3: GHG Modeling Parameters and Summary of Emissions
 - GHG Parameters and Summary
 - CalEEMod Outputs
 - Construction Annual
 - Baseline (Existing)
 - Baseline (Buildout Year)
 - Buildout

NIERM

EnergyUseLandUseSubType	CalEEMod Default					CalEEMod Adjustment to Reflect 2008 Title 24 Standards				
	T24E	NT24E	Lighting	T24NG	NT24NG	T24E	NT24E	Lighting	T24NG	NT24NG
Apartments High Rise	194.04	3277.06	741.44	6328.91	4831	194.04	3277.06	741.44	6328.91	4831
Enclosed Parking with Elevator	3.92	0.19	2.63	0	0	3.92	0.19	2.63	0	0
General Office Building	4.82	4.62	3.88	10.07	0.39	0.36	0.19	1.75	26.63	0
High Turnover (Sit Down Restaurant)	8.5	28.16	8.13	43.19	187.78	8.5	28.16	8.13	43.19	187.78
Movie Theater	2.36	5.75	3.2	13.7	4.45	2.36	5.75	3.2	13.7	4.45
Parking Lot	0	0	0.88	0	0	-	-	0.88	-	-
College	3.18	3.59	3.48	26.63	0.59	3.18	3.59	3.48	26.63	0.59

Project

EnergyUseLandUseSubType	CalEEMod Default					CalEEMod Adjustment to Reflect 2016 Title 24 Standards					Electricity	Natural Gas
	T24E	NT24E	Lighting	T24NG	NT24NG	T24E	NT24E	Lighting	T24NG	NT24NG		
Apartments High Rise	194.04	3277.06	741.44	6328.91	4831	139.71	3277.06	741.44	6328.91	4831.00	1,580,120	4,240,770
Enclosed Parking with Elevator	3.92	0.19	2.63	0	0	0.36	0.19	1.75	0.00	0	1,077,320	0
General Office Building	4.82	4.62	3.88	10.07	0.39	4.58	4.62	3.88	10.07	0.39	600,673	480,355
High Turnover (Sit Down Restaurant)	8.5	28.16	8.13	43.19	187.78	8.08	28.16	8.13	43.19	187.78	522,590	2,720,360
Movie Theater	2.36	5.75	3.2	13.7	4.45	2.24	5.75	3.20	13.70	4.45	75,533	122,580
Parking Lot	0	0	0.88	0	0	0	0	0.88	0	0	329,824	0
College	3.18	3.59	3.48	26.63	0.59	2.07	3.59	3.48	26.63	0.59	4,907,740	14,615,800

Project Note: CalEEMod default energy factors reflect 2013 Title 24 Standards. Therefore, adjustments were made to account for improvements in 2016 standards.

-2016 Standards reduce Title 24 electricity requirements by 28% for residential and 5% for non residential (Website www.energy.ca.gov/title24/2016standards/rulemaking/documents/2015-06-10_hearing/2015-06-10_Adoption_Hearing_Presentation.pdf, accessed April 7, 2016).

Calculation of Carbon Intensity Factor for RPS of 50 Percent (Consistent with SB 350)

- ARB provided factor for 2020 representing a 33% RPS = 595 lb/MWh
- Adjustment for 2030 RPS 50% = (50%-33%)/50%=-34%
- Post 2030 factor = 1-34% x 595 = 393 lb/MWh

Calculation of Carbon Intensity Factor for RPS of 40 Percent (Consistent with PWP goal of 40 RPS by 2020)

- ARB provided factor for 2020 representing a 33% RPS = 595 lb/MWh
- Adjustment for 2020 RPS 40% = (40%-33%)/50%=-14%
- Post 2030 factor = 1-14% x 595 = 512 lb/MWh

Consistent with Section 120.6(c), Mandatory Requirements for Enclosed Parking Garages, the ventilation rate shall be at least 0.15 cfm/sq ft when the garage is scheduled to be occupied.

Parking Garage Ventilation

Square Footage =	468,400 ft ²
Minimum Ventilation =	0.15 cfm/ft ²
Flowrate =	70260 cfm
Number of Fans (18,000 cfm)	3.9 fans
Number of Fans	4 fans
Horsepower per Fan	13 hp
Horsepower to kW Conv.	0.746 kW per hp
Total kW =	38.792
Annual kW =	169,909 conservatively assumes operational 50 percent of the time even though it would only be operational when CO sensors read CO concentrations in excess of 25 ppm (2013 Building Energy Efficiency Standards);
Usage Rate:	0.36 kWh/sq ft annual

Parking Garage Lighting

Square Footage =	142,000 ft ²
Allowed Lighting Power =	0.2 watts per ft ² (Table 140.6 (Complete Building Method Lighting Power Density Value) of the 2013 Building Energy Efficiency Standards)
Annual kW =	248,162 conservatively assumes maximum lighting power 24 hours per day)
Annual kW/sq ft =	1.75 kWh/sq ft annual

Elevator (no change CalEEMod Default) 0.19 kWh/sq ft annual

Arts Center
CalEEMod Output - Construction (Annual)

tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
tblConstructionPhase	NumDaysWeek	5.00	6.00
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tblConstructionPhase	PhaseEndDate	12/31/2017	1/31/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	4/30/2018
tblConstructionPhase	PhaseEndDate	12/31/2017	2/28/2018
tblConstructionPhase	PhaseStartDate	1/1/2018	4/1/2018
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tblLandUse	BuildingSpaceSquareFeet	380,000.00	345,000.00
tblLandUse	LandUseSquareFeet	459,493.67	536,952.00
tblLandUse	LandUseSquareFeet	380,000.00	345,000.00
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tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Paving Equipment
tblOffRoadEquipment	OffRoadEquipmentType		Rollers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Trenchers
tblOffRoadEquipment	OffRoadEquipmentType		Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType		Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType		Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType		Cranes
tblOffRoadEquipment	OffRoadEquipmentType		Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType		Welders

Arts Center
CalEEMod Output - Construction (Annual)

tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Tractors/Loaders/Backhoes
tblOffRoadEquipment	OffRoadEquipmentType	Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Cranes
tblOffRoadEquipment	OffRoadEquipmentType	Forklifts
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Welders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Pumps
tblOffRoadEquipment	OffRoadEquipmentType	Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
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tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders
tblOffRoadEquipment	OffRoadEquipmentType	Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType	Aerial Lifts
tblOffRoadEquipment	OffRoadEquipmentType	Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType	Skid Steer Loaders

Arts Center
CalEEMod Output - Construction (Annual)

tblOffRoadEquipment	OffRoadEquipmentType			Air Compressors
tblOffRoadEquipment	OffRoadEquipmentType			Aerial Lifts
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tblOffRoadEquipment	OffRoadEquipmentType			Rubber Tired Loaders
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tblOffRoadEquipment	OffRoadEquipmentType			Bore/Drill Rigs
tblOffRoadEquipment	OffRoadEquipmentType			Cranes
tblOffRoadEquipment	OffRoadEquipmentType			Rubber Tired Loaders
tblOffRoadEquipment	OffRoadEquipmentType			Welders
tblOffRoadEquipment	OffRoadEquipmentType			Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType			Concrete/Industrial Saws
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Arts Center
CalEEMod Output - Construction (Annual)

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tblOffRoadEquipment	PhaseName		Hillside-1 Photovoltaic
tblOffRoadEquipment	PhaseName		Hillside-1 Photovoltaic
tblOffRoadEquipment	PhaseName		Hillside-1 Photovoltaic
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tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Parking
tblOffRoadEquipment	PhaseName		Hillside-1 Annex Paving/Landscape
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclare Demo
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclare Demo
tblOffRoadEquipment	PhaseName		South-1 Raymond Demo
tblOffRoadEquipment	PhaseName		South-1 Raymond Demo
tblOffRoadEquipment	PhaseName		Hillside-1 Sinclare Construction
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tblOffRoadEquipment	PhaseName		Hillside-1 Sinclare Construction
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
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tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
tblOffRoadEquipment	PhaseName		South-1 Raymond Grading
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tblOffRoadEquipment	PhaseName		South-1 Arroyo Demo
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tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading
tblOffRoadEquipment	PhaseName		South-1 Arroyo Grading

Arts Center
CalEEMod Output - Construction (Annual)

tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
tblOffRoadEquipment	PhaseName		South-2 Raymond & North Quad
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tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblOffRoadEquipment	UsageHours	7.00	4.00
tblProjectCharacteristics	OperationalYear	2018	2020
tblTripsAndVMT	HaulingTripNumber	77.00	135.00
tblTripsAndVMT	HaulingTripNumber	1,736.00	1,250.00
tblTripsAndVMT	HaulingTripNumber	114.00	480.00
tblTripsAndVMT	HaulingTripNumber	54.00	135.00
tblTripsAndVMT	HaulingTripNumber	45.00	135.00
tblTripsAndVMT	HaulingTripNumber	114.00	135.00
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tblTripsAndVMT	HaulingTripNumber	3,519.00	2,340.00
tblTripsAndVMT	VendorTripNumber	277.00	20.00
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tblTripsAndVMT	VendorTripNumber	277.00	20.00
tblTripsAndVMT	VendorTripNumber	277.00	10.00
tblTripsAndVMT	VendorTripNumber	277.00	10.00
tblTripsAndVMT	VendorTripNumber	277.00	5.00
tblTripsAndVMT	VendorTripNumber	277.00	5.00
tblTripsAndVMT	VendorTripNumber	277.00	20.00
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tblTripsAndVMT	VendorTripNumber	0.00	40.00
tblTripsAndVMT	WorkerTripNumber	175.00	0.00
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Arts Center
CalEEMod Output - Construction (Annual)

tblTripsAndVMT	WorkerTripNumber	876.00	60.00
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2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018												1,198.102 2				1,202.949 7
2019												599.7165				601.5576
2021												577.9737				579.6912
2022												1,554.051 4				1,558.517 9
2023												625.7416				627.3055
2024												590.7738				592.4588
Maximum												1,554.051 4				1,558.517 9

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2018												1,198.101 2				1,202.948 7
2019												599.7160				601.5571
2021												577.9733				579.6908
2022												1,554.050 2				1,558.516 7

Arts Center
CalEEMod Output - Construction (Annual)

25	South-2 Raymond & North Quad Paving	Paving	10/1/2024	12/31/2024	6	79
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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 18.97

Residential Indoor: 698,625; Residential Outdoor: 232,875; Non-Residential Indoor: 902,103; Non-Residential Outdoor: 300,701; Striped

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Hillside-1 Parking	Cement and Mortar Mixers	1	8.00	9	0.56
Hillside-1 Parking	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-1 Parking	Paving Equipment	1	8.00	132	0.36
Hillside-1 Parking	Rollers	1	8.00	80	0.38
Hillside-1 Parking	Skid Steer Loaders	1	8.00	65	0.37
Hillside-1 Parking	Trenchers	1	8.00	78	0.50
Hillside-1 Annex Paving/Landscape	Skid Steer Loaders	1	8.00	65	0.37
Hillside-1 Sinclair Demo	Rubber Tired Loaders	1	8.00	203	0.36
Hillside-1 Sinclair Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Raymond Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Raymond Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Hillside-1 Sinclair Construction	Air Compressors	1	8.00	78	0.48
Hillside-1 Sinclair Construction	Aerial Lifts	1	8.00	63	0.31
Hillside-1 Sinclair Construction	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Grading	Bore/Drill Rigs	1	8.00	221	0.50
South-1 Raymond Grading	Cranes	1	8.00	231	0.29
South-1 Raymond Grading	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Raymond Grading	Welders	1	8.00	46	0.45
South-1 Raymond Foundation	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Foundation	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Foundation	Cranes	1	4.00	231	0.29
South-1 Raymond Foundation	Forklifts	2	8.00	89	0.20
South-1 Raymond Foundation	Pumps	1	8.00	84	0.74
South-1 Raymond Foundation	Plate Compactors	2	8.00	8	0.43
South-1 Raymond Foundation	Welders	1	8.00	46	0.45
South-1 Raymond Building	Air Compressors	2	8.00	78	0.48
South-1 Raymond Building	Aerial Lifts	2	8.00	63	0.31
South-1 Raymond Building	Cement and Mortar Mixers	2	8.00	9	0.56
South-1 Raymond Building	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Building	Pumps	1	8.00	84	0.74
South-1 Raymond Building	Plate Compactors	1	8.00	8	0.43
South-1 Raymond Paving	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Raymond Paving	Plate Compactors	1	8.00	8	0.43
South-1 Raymond Paving	Skid Steer Loaders	1	8.00	65	0.37
South-1 Raymond Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Arroyo Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Grading	Bore/Drill Rigs	1	8.00	221	0.50

Arts Center
CalEEMod Output - Construction (Annual)

South-1 Arroyo Grading	Cranes	1	8.00	231	0.29
South-1 Arroyo Grading	Rubber Tired Loaders	1	8.00	203	0.36
South-1 Arroyo Grading	Welders	1	8.00	46	0.45
South-1 Arroyo Foundation	Cement and Mortar Mixers	1	8.00	9	0.56
South-1 Arroyo Foundation	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Arroyo Foundation	Cranes	1	4.00	231	0.29
South-1 Arroyo Foundation	Forklifts	2	8.00	89	0.20
South-1 Arroyo Foundation	Pumps	1	8.00	84	0.74
South-1 Arroyo Foundation	Plate Compactors	2	8.00	8	0.43
South-1 Arroyo Foundation	Welders	1	8.00	46	0.45
Hillside-2 South Building Construction	Generator Sets	0	8.00	84	0.74
South-2 Raymond & North Quad Construction	Generator Sets	0	8.00	84	0.74
Hillside-1 Photovoltaic	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Grading	Graders	0	8.00	187	0.41
South-2 Raymond & North Quad Grading	Graders	0	8.00	187	0.41
South-1 Raymond Paving	Pavers	0	8.00	130	0.42
South-2 Raymond & North Quad Paving	Pavers	0	8.00	130	0.42
Hillside-1 Parking	Pavers	0	8.00	130	0.42
South-1 Raymond Paving	Paving Equipment	1	8.00	132	0.36
South-2 Raymond & North Quad Paving	Paving Equipment	1	8.00	132	0.36
Hillside-1 Parking	Paving Equipment	0	8.00	132	0.36
South-1 Raymond Paving	Rollers	0	8.00	80	0.38
South-2 Raymond & North Quad Paving	Rollers	1	8.00	80	0.38
Hillside-1 Parking	Rollers	0	8.00	80	0.38
South-1 Arroyo Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-2 Raymond & North Quad Demo	Rubber Tired Dozers	0	8.00	247	0.40
Hillside-1 Sinclair Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Raymond Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Arroyo Grading	Rubber Tired Dozers	0	8.00	247	0.40
South-2 Raymond & North Quad Grading	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Arroyo Grading	Scrapers	0	8.00	367	0.48
South-2 Raymond & North Quad Grading	Scrapers	0	8.00	367	0.48
South-1 Raymond Building	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 Arroyo Construction	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 1111 Arroyo Improvements	Tractors/Loaders/Backhoes	0	7.00	97	0.37
South-1 950 Raymond Improvements	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-2 South Building Renovation	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-2 South Building Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
South-2 Raymond & North Quad Construction	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Hillside-1 Photovoltaic	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Arroyo Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-2 Raymond & North Quad Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
South-1 Raymond Building	Welders	2	8.00	46	0.45
South-1 Arroyo Construction	Welders	2	8.00	46	0.45
South-1 1111 Arroyo Improvements	Welders	1	8.00	46	0.45
South-1 950 Raymond Improvements	Welders	1	8.00	46	0.45
Hillside-2 South Building Renovation	Welders	1	8.00	46	0.45
Hillside-2 South Building Construction	Welders	1	8.00	46	0.45

Arts Center
CalEEMod Output - Construction (Annual)

South-2 Raymond & North Quad Construction	Welders	2	8.00	46	0.45
Hillside-1 Photovoltaic	Welders	0	8.00	46	0.45
Hillside-1 Annex Demo	Rubber Tired Loaders	1	8.00	203	0.36
Hillside-1 Annex Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Hillside-1 Photovoltaic	Air Compressors	1	8.00	78	0.48
Hillside-1 Photovoltaic	Aerial Lifts	1	8.00	63	0.31
Hillside-1 Photovoltaic	Cement and Mortar Mixers	1	8.00	9	0.56
Hillside-1 Photovoltaic	Concrete/Industrial Saws	1	8.00	81	0.73
Architectural Coating	Air Compressors	1	6.00	78	0.48
Hillside-1 Annex Demo	Excavators	1	8.00	158	0.38
Hillside-1 Annex Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Grading	Excavators	1	8.00	158	0.38
Hillside-1 Sinclair Construction	Cranes	1	4.00	231	0.29
Hillside-1 Sinclair Construction	Forklifts	2	8.00	89	0.20
Hillside-1 Sinclair Construction	Generator Sets	0	8.00	84	0.74
Hillside-1 Annex Paving/Landscape	Pavers	0	8.00	130	0.42
Hillside-1 Annex Paving/Landscape	Rollers	1	8.00	80	0.38
Hillside-1 Annex Demo	Rubber Tired Dozers	0	8.00	247	0.40
South-1 Raymond Grading	Rubber Tired Dozers	0	8.00	247	0.40
Hillside-1 Sinclair Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-1 Raymond Grading	Graders	0	8.00	187	0.41
South-1 Raymond Grading	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Hillside-1 Annex Paving/Landscape	Paving Equipment	1	8.00	132	0.36
South-1 Arroyo Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-2 Raymond & North Quad Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Grading	Scrapers	0	8.00	367	0.48
Hillside-1 Sinclair Construction	Welders	1	8.00	46	0.45
Hillside-1 Sinclair Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Demo	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Raymond Building	Cranes	1	4.00	231	0.29
South-1 Arroyo Construction	Cranes	1	4.00	231	0.29
South-1 1111 Arroyo Improvements	Cranes	0	7.00	231	0.29
South-1 950 Raymond Improvements	Cranes	0	7.00	231	0.29
Hillside-2 South Building Renovation	Cranes	0	7.00	231	0.29
Hillside-2 South Building Construction	Cranes	1	4.00	231	0.29
South-2 Raymond & North Quad Construction	Cranes	1	4.00	231	0.29
Hillside-1 Photovoltaic	Cranes	1	4.00	231	0.29
South-1 Arroyo Demo	Excavators	1	8.00	158	0.38
South-2 Raymond & North Quad Demo	Excavators	1	8.00	158	0.38
Hillside-1 Sinclair Demo	Excavators	1	8.00	158	0.38
South-1 Raymond Demo	Excavators	1	8.00	158	0.38
South-1 Arroyo Grading	Excavators	1	8.00	158	0.38
South-2 Raymond & North Quad Grading	Excavators	1	8.00	158	0.38
South-1 Raymond Building	Forklifts	2	8.00	89	0.20
South-1 Arroyo Construction	Forklifts	2	8.00	89	0.20
South-1 1111 Arroyo Improvements	Forklifts	1	8.00	89	0.20
South-1 950 Raymond Improvements	Forklifts	1	8.00	89	0.20
Hillside-2 South Building Renovation	Forklifts	1	8.00	89	0.20

Arts Center
CalEEMod Output - Construction (Annual)

Hillside-2 South Building Construction	Forklifts	1	8.00	89	0.20
South-2 Raymond & North Quad Construction	Forklifts	2	8.00	89	0.20
Hillside-1 Photovoltaic	Forklifts	1	8.00	89	0.20
South-1 Raymond Building	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Construction	Generator Sets	0	8.00	84	0.74
South-1 1111 Arroyo Improvements	Generator Sets	0	8.00	84	0.74
South-1 950 Raymond Improvements	Generator Sets	0	8.00	84	0.74
Hillside-2 South Building Renovation	Generator Sets	0	8.00	84	0.74
South-1 Arroyo Construction	Air Compressors	2	8.00	78	0.48
South-1 Arroyo Construction	Aerial Lifts	2	8.00	63	0.31
South-1 Arroyo Construction	Cement and Mortar Mixers	2	8.00	9	0.56
South-1 Arroyo Construction	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 Arroyo Construction	Pumps	1	8.00	84	0.74
South-1 Arroyo Construction	Plate Compactors	1	8.00	8	0.43
South-1 1111 Arroyo Improvements	Air Compressors	1	8.00	78	0.48
South-1 1111 Arroyo Improvements	Aerial Lifts	1	8.00	63	0.31
South-1 1111 Arroyo Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 1111 Arroyo Improvements	Skid Steer Loaders	1	8.00	65	0.37
South-1 950 Raymond Improvements	Air Compressors	1	8.00	78	0.48
South-1 950 Raymond Improvements	Aerial Lifts	1	8.00	63	0.31
South-1 950 Raymond Improvements	Concrete/Industrial Saws	1	8.00	81	0.73
South-1 950 Raymond Improvements	Skid Steer Loaders	1	8.00	65	0.37
Hillside-2 South Building Renovation	Air Compressors	1	8.00	78	0.48
Hillside-2 South Building Renovation	Aerial Lifts	1	8.00	63	0.31
Hillside-2 South Building Renovation	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-2 South Building Renovation	Skid Steer Loaders	1	8.00	65	0.37
Hillside-2 South Building Construction	Air Compressors	1	8.00	78	0.48
Hillside-2 South Building Construction	Aerial Lifts	1	8.00	63	0.31
Hillside-2 South Building Construction	Concrete/Industrial Saws	1	8.00	81	0.73
Hillside-2 South Building Construction	Cement and Mortar Mixers	1	8.00	9	0.56
South-2 Raymond & North Quad Demo	Rubber Tired Loaders	1	8.00	203	0.36
South-2 Raymond & North Quad Demo	Tractors/Loaders/Backhoes	1	8.00	97	0.37
South-2 Raymond & North Quad	Bore/Drill Rigs	1	8.00	221	0.50
Grading South-2 Raymond & North Quad	Cranes	1	8.00	231	0.29
Grading South-2 Raymond & North Quad	Rubber Tired Loaders	1	8.00	203	0.36
Grading South-2 Raymond & North Quad	Welders	1	8.00	46	0.45
Grading South-2 Raymond & North Quad	Cement and Mortar Mixers	1	8.00	9	0.56
Foundation South-2 Raymond & North Quad	Concrete/Industrial Saws	1	8.00	81	0.73
Foundation South-2 Raymond & North Quad	Cranes	1	4.00	231	0.29
Foundation South-2 Raymond & North Quad	Forklifts	2	8.00	89	0.20
Foundation South-2 Raymond & North Quad	Pumps	1	8.00	84	0.74
Foundation South-2 Raymond & North Quad	Plate Compactors	2	8.00	8	0.43
Foundation South-2 Raymond & North Quad	Welders	1	8.00	46	0.45
Foundation South-2 Raymond & North Quad	Air Compressors	2	8.00	78	0.48
Construction South-2 Raymond & North Quad	Aerial Lifts	2	8.00	63	0.31
Construction South-2 Raymond & North Quad	Cement and Mortar Mixers	2	8.00	9	0.56
Construction South-2 Raymond & North Quad	Concrete/Industrial Saws	1	8.00	81	0.73
Construction South-2 Raymond & North Quad	Pumps	1	8.00	84	0.74

Arts Center
CalEEMod Output - Construction (Annual)

South-2 Raymond & North Quad Construction	Plate Compactors	1	8.00	8	0.43
South-2 Raymond & North Quad Paving	Cement and Mortar Mixers	1	8.00	9	0.56
South-2 Raymond & North Quad Paving	Skid Steer Loaders	1	8.00	65	0.37
South-2 Raymond & North Quad Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Sinclair Construction	8	20.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Annex Demo	4	20.00	0.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond Grading	5	26.00	0.00	1,250.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Annex Paving/Landscaping	3	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond Building	14	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Arroyo Construction	14	80.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 1111 Arroyo Improvements	6	60.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 950 Raymond Improvements	6	60.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-2 South Building Renovation	6	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-2 South Building Construction	7	60.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-2 Raymond & North Quad	14	100.00	20.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Photovoltaic	6	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Arroyo Demo	4	20.00	0.00	480.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-2 Raymond & North Quad Demo	4	20.00	0.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Sinclair Demo	4	20.00	0.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond Demo	4	20.00	0.00	135.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Arroyo Grading	5	26.00	0.00	1,350.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-2 Raymond & North Quad Grading	5	26.00	0.00	2,340.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond Paving	5	30.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-2 Raymond & North Quad Paving	5	40.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Hillside-1 Parking	12	20.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Raymond Foundation	9	40.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-1 Arroyo Foundation	9	40.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
South-2 Raymond & North Quad	9	50.00	40.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area
Clean Paved Roads

3.3 Hillside-1 Annex Demo - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust												0.0000				0.0000
Off-Road												25.1540				25.3073

Arts Center
CalEEMod Output - Construction (Annual)

Total													25.1540				25.3073
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Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling												5.3241				5.3335
Vendor												0.0000				0.0000
Worker												2.9398				2.9425
Total												8.2639				8.2760

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust												0.0000				0.0000
Off-Road												25.1539				25.3073
Total												25.1539				25.3073

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling												5.3241				5.3335
Vendor												0.0000				0.0000
Worker												2.9398				2.9425
Total												8.2639				8.2760

3.4 Hillside-1 Photovoltaic - 2018

Unmitigated Construction On-Site

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

Arts Center
CalEEMod Output - Construction (Annual)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road												131.9380				132.7011
Paving												0.0000				0.0000
Total												131.9380				132.7011

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
Vendor												9.8540				9.8709
Worker												16.9852				17.0012
Total												26.8392				26.8721

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												131.9378				132.7009
Paving												0.0000				0.0000
Total												131.9378				132.7009

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
Vendor												9.8540				9.8709
Worker												16.9852				17.0012
Total												26.8392				26.8721

3.6 Hillside-1 Annex Paving/Landscape - 2018

Arts Center
CalEEMod Output - Construction (Annual)

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												9.5994				9.6741
Paving												0.0000				0.0000
Total												9.5994				9.6741

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
Vendor												1.5160				1.5186
Worker												2.6131				2.6156
Total												4.1291				4.1342

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												9.5994				9.6741
Paving												0.0000				0.0000
Total												9.5994				9.6741

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
Vendor												1.5160				1.5186
Worker												2.6131				2.6156

Arts Center
CalEEMod Output - Construction (Annual)

Total													4.1291								4.1342
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3.7 Hillside-1 Sinclare Demo - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust												0.0000				0.0000
Off-Road												25.1540				25.3073
Total												25.1540				25.3073

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling												5.3241				5.3335
Vendor												0.0000				0.0000
Worker												2.9398				2.9425
Total												8.2639				8.2760

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust												0.0000				0.0000
Off-Road												25.1539				25.3073
Total												25.1539				25.3073

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling												5.3241				5.3335

Arts Center
CalEEMod Output - Construction (Annual)

Category	tons/yr										MT/yr						
Hauling													5.3241				5.3335
Vendor													0.0000				0.0000
Worker													2.9398				2.9425
Total													8.2639				8.2760

3.9 Hillside-1 Sinclare Construction - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road													142.1795				143.0444
Total													142.1795				143.0444

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
Vendor													46.2380				46.3172
Worker													19.9249				19.9437
Total													66.1629				66.2609

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													142.1793				143.0442
Total													142.1793				143.0442

Mitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Annual)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling												0.0000				0.0000
Vendor												46.2380				46.3172
Worker												19.9249				19.9437
Total												66.1629				66.2609

3.10 South-1 Raymond Grading - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust												0.0000				0.0000
Off-Road												32.6686				32.9158
Total												32.6686				32.9158

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												49.2976				49.3845
Vendor												0.0000				0.0000
Worker												3.5386				3.5419
Total												52.8362				52.9264

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust												0.0000				0.0000
Off-Road												32.6686				32.9158
Total												32.6686				32.9158

Arts Center
CalEEMod Output - Construction (Annual)

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												49.2976				49.3845
Vendor												0.0000				0.0000
Worker												3.5386				3.5419
Total												52.8362				52.9264

3.11 South-1 Raymond Foundation - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road												153.4064				154.0001
Total												153.4064				154.0001

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
Vendor												79.8426				79.9795
Worker												34.4059				34.4383
Total												114.2485				114.4178

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												153.4062				153.9999

Arts Center
CalEEMod Output - Construction (Annual)

Total													153.4062					153.9999
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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
Vendor												79.8426				79.9795
Worker												34.4059				34.4383
Total												114.2485				114.4178

3.12 South-1 Raymond Building - 2018

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road												81.4325				81.7564
Total												81.4325				81.7564

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
Vendor												13.1387				13.1612
Worker												22.6469				22.6682
Total												35.7856				35.8294

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
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Arts Center
CalEEMod Output - Construction (Annual)

Category	tons/yr										MT/yr						
Off-Road													81.4324				81.7563
Total													81.4324				81.7563

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
Vendor												13.1387					13.1612
Worker												22.6469					22.6682
Total												35.7856					35.8294

3.12 South-1 Raymond Building - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road												406.9467					408.4902
Total												406.9467					408.4902

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
Vendor												65.2668					65.3758
Worker												109.9705					110.0650
Total												175.2374					175.4408

Mitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Annual)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road												406.9462				408.4897
Total												406.9462				408.4897

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
Vendor												65.2668				65.3758
Worker												109.9705				110.0650
Total												175.2374				175.4408

3.13 South-1 Raymond Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road												11.7989				11.8869
Paving												0.0000				0.0000
Total												11.7989				11.8869

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
Vendor												1.6254				1.6281
Worker												4.1081				4.1116
Total												5.7335				5.7398

Arts Center
CalEEMod Output - Construction (Annual)

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												11.7989				11.8869
Paving												0.0000				0.0000
Total												11.7989				11.8869

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
Vendor												1.6254				1.6281
Worker												4.1081				4.1116
Total												5.7335				5.7398

3.14 South-1 Arroyo Demo - 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												0.0000				0.0000
Off-Road												21.7614				21.8945
Total												21.7614				21.8945

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												18.2951				18.3269
Vendor												0.0000				0.0000

Arts Center
CalEEMod Output - Construction (Annual)

Hauling													51.4550				51.5443
Vendor													0.0000				0.0000
Worker													3.4711				3.4737
Total													54.9261				55.0179

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust												0.0000				0.0000
Off-Road												34.0919				34.3553
Total												34.0919				34.3553

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												51.4550				51.5443
Vendor												0.0000				0.0000
Worker												3.4711				3.4737
Total												54.9261				55.0179

3.16 South-1 Arroyo Foundation - 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												125.8578				126.2945
Total												125.8578				126.2945

Unmitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Annual)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling												0.0000				0.0000
Vendor												64.5821				64.6811
Worker												25.9096				25.9287
Total												90.4917				90.6098

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												125.8577				126.2943
Total												125.8577				126.2943

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
Vendor												64.5821				64.6811
Worker												25.9096				25.9287
Total												90.4917				90.6098

3.17 South-1 Arroyo Construction - 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												162.7596				163.3303
Total												162.7596				163.3303

Arts Center
CalEEMod Output - Construction (Annual)

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
Vendor												25.8821				25.9218
Worker												41.5345				41.5651
Total												67.4167				67.4869

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												162.7594				163.3301
Total												162.7594				163.3301

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
Vendor												25.8821				25.9218
Worker												41.5345				41.5651
Total												67.4167				67.4869

3.17 South-1 Arroyo 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												322.4232				323.5271
Total												322.4232				323.5271

Arts Center
CalEEMod Output - Construction (Annual)

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
Vendor												50.8210				50.8969
Worker												79.3857				79.4403
Total												130.2066				130.3372

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												322.4229				323.5268
Total												322.4229				323.5268

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
Vendor												50.8210				50.8969
Worker												79.3857				79.4403
Total												130.2066				130.3372

3.18 South-1 1111 Arroyo Improvements - 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					

Arts Center
CalEEMod Output - Construction (Annual)

Off-Road													198.8896					199.6175
Total													198.8896					199.6175

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
Vendor												31.7631				31.8105
Worker												74.4241				74.4753
Total												106.1872				106.2858

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												198.8894				199.6173
Total												198.8894				199.6173

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
Vendor												31.7631				31.8105
Worker												74.4241				74.4753
Total												106.1872				106.2858

3.19 South-1 950 Raymond Improvements - 2022

Unmitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Annual)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road												198.8896				199.6175
Total												198.8896				199.6175

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
Vendor												31.7631				31.8105
Worker												74.4241				74.4753
Total												106.1872				106.2858

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												198.8894				199.6173
Total												198.8894				199.6173

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
Vendor												31.7631				31.8105
Worker												74.4241				74.4753
Total												106.1872				106.2858

3.20 Hillside-2 South Building Renovation - 2022

Arts Center
CalEEMod Output - Construction (Annual)

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												19.8890				19.9618
Total												19.8890				19.9618

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
Vendor												1.5882				1.5905
Worker												2.4808				2.4825
Total												4.0690				4.0730

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												19.8889				19.9617
Total												19.8889				19.9617

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
Vendor												1.5882				1.5905
Worker												2.4808				2.4825

Arts Center
CalEEMod Output - Construction (Annual)

Total													4.0690					4.0730
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3.21 Hillside-2 South 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												127.6764				128.1644
Total												127.6764				128.1644

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
Vendor												9.4679				9.4820
Worker												44.3682				44.3987
Total												53.8361				53.8807

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												127.6762				128.1643
Total												127.6762				128.1643

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

Arts Center
CalEEMod Output - Construction (Annual)

Category	tons/yr										MT/yr					
Hauling											5.0843					5.0931
Vendor											0.0000					0.0000
Worker											2.5762					2.5780
Total											7.6605					7.6711

3.23 South-2 Raymond & North Quad Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust											0.0000						0.0000
Off-Road											49.2766						49.6564
Total											49.2766						49.6564

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											88.1281						88.2804
Vendor											0.0000						0.0000
Worker											4.8376						4.8409
Total											92.9656						93.1213

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Fugitive Dust											0.0000						0.0000
Off-Road											49.2766						49.6563
Total											49.2766						49.6563

Mitigated Construction Off-Site

Arts Center
CalEEMod Output - Construction (Annual)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling												88.1281				88.2804
Vendor												0.0000				0.0000
Worker												4.8376				4.8409
Total												92.9656				93.1213

3.24 South-2 Raymond & North Quad Foundation - 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												63.4106				63.6258
Total												63.4106				63.6258

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
Vendor												32.2518				32.2999
Worker												15.7436				15.7544
Total												47.9953				48.0543

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												63.4106				63.6257
Total												63.4106				63.6257

Arts Center
CalEEMod Output - Construction (Annual)

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
Vendor												32.2518				32.2999
Worker												15.7436				15.7544
Total												47.9953				48.0543

3.24 South-2 Raymond & North Quad Foundation - 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												123.9387				124.3466
Total												123.9387				124.3466

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
Vendor												61.0641				61.1473
Worker												29.6455				29.6646
Total												90.7095				90.8118

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												123.9385				124.3465

Arts Center
CalEEMod Output - Construction (Annual)

Total													123.9385					124.3465
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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
Vendor												61.0641				61.1473
Worker												29.6455				29.6646
Total												90.7095				90.8118

3.25 South-2 Raymond & North Quad 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												283.6701				284.6107
Total												283.6701				284.6107

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
Vendor												43.3129				43.3719
Worker												84.1104				84.1646
Total												127.4233				127.5364

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
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Arts Center
CalEEMod Output - Construction (Annual)

Category	tons/yr										MT/yr											
Off-Road																	283.6697					284.6103
Total																	283.6697					284.6103

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
Vendor												43.3129					43.3719
Worker												84.1104					84.1646
Total												127.4233					127.5364

3.25 South-2 Raymond & North Quad Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road												364.2750					365.4624
Total												364.2750					365.4624

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
Vendor												55.3988					55.4734
Worker												104.6617					104.7254
Total												160.0605					160.1988

Mitigated Construction On-Site

Arts Center
CalEEMod Output - Construction (Annual)

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road												364.2746				365.4619
Total												364.2746				365.4619

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
Vendor												55.3988				55.4734
Worker												104.6617				104.7254
Total												160.0605				160.1988

3.26 South-2 Raymond & North Quad Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road												43.0529				43.3911
Paving												0.0000				0.0000
Total												43.0529				43.3911

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
Vendor												9.3117				9.3243
Worker												14.0737				14.0822
Total												23.3854				23.4065

Arts Center
CalEEMod Output - Construction (Annual)

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												43.0529				43.3911
Paving												0.0000				0.0000
Total												43.0529				43.3911

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
Vendor												9.3117				9.3243
Worker												14.0737				14.0822
Total												23.3854				23.4065

ArtsCenter - Existing 2016 - Los Angeles-South Coast County, Annual

ArtsCenter - Existing 2016
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.92	1000sqft	1.05	45,923.00	0
University/College (4Yr)	1,893.00	Student	7.99	410,380.00	0
Enclosed Parking with Elevator	355.00	Space	3.19	142,000.00	0
Parking Lot	1,293.00	Space	11.64	517,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2016
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MW hr)	1664.14	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -
 Land Use - Existing
 Construction Phase - No construction
 Off-road Equipment - No construction
 Vehicle Trips - Traffic Study

Arts Center
CalEEMod Output - Operations (Existing) - Annual

Energy Use - Historical

Stationary Sources - Emergency Generators and Fire Pumps - Existing

Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.92	0.35
tblLandUse	BuildingSpaceSquareFeet	45,920.00	45,923.00
tblLandUse	BuildingSpaceSquareFeet	347,928.61	410,380.00
tblLandUse	LandUseSquareFeet	45,920.00	45,923.00
tblLandUse	LandUseSquareFeet	347,928.61	410,380.00
tblProjectCharacteristics	OperationalYear	2018	2016
tblStationaryGeneratorsPumpsUse	HorsePowerValue	600.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	4.00
tblVehicleTrips	ST_TR	2.46	2.09
tblVehicleTrips	ST_TR	1.30	1.57
tblVehicleTrips	SU_TR	1.05	0.89
tblVehicleTrips	WD_TR	11.03	9.36
tblVehicleTrips	WD_TR	1.71	2.07

2.0 Emissions Summary

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

Arts Center
CalEEMod Output - Operations (Existing) - Annual

Category	tons/yr										MT/yr					
Area											0.0000	0.0890	0.0890	2.5000e-004	0.0000	0.0953
Energy											0.0000	5,583.5294	5,583.5294	0.0986	0.0307	5,595.1373
Mobile											0.0000	5,268.8462	5,268.8462	0.3761	0.0000	5,278.2480
Stationary											0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste											78.7970	0.0000	78.7970	4.6568	0.0000	195.2163
Water											3.8751	215.1698	219.0449	0.4018	0.0102	232.1208
Total											82.6722	11,076.7736	11,159.4457	5.5347	0.0409	11,309.9889

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											0.0000	0.0890	0.0890	2.5000e-004	0.0000	0.0953
Energy											0.0000	5,583.5294	5,583.5294	0.0986	0.0307	5,595.1373
Mobile											0.0000	5,268.8462	5,268.8462	0.3761	0.0000	5,278.2480
Stationary											0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste											78.7970	0.0000	78.7970	4.6568	0.0000	195.2163
Water											3.8751	215.1698	219.0449	0.4018	0.0102	232.1208
Total											82.6722	11,076.7736	11,159.4457	5.5347	0.0409	11,309.9889

Arts Center
CalEEMod Output - Operations (Existing) - Annual

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	5,268.8462	5,268.8462	0.3761	0.0000	5,278.2480
Unmitigated											0.0000	5,268.8462	5,268.8462	0.3761	0.0000	5,278.2480

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	429.81	95.97	40.87	1,051,990	1,051,990
Parking Lot	0.00	0.00	0.00		
University/College (4Yr)	3,918.51	2,972.01	0.00	9,683,057	9,683,057
Total	4,348.32	3,067.98	40.87	10,735,047	10,735,047

Arts Center
CalEEMod Output - Operations (Existing) - Annual

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
University/College (4Yr)	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Enclosed Parking with Elevator	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994
Parking Lot	0.546581	0.047315	0.196959	0.128768	0.019038	0.005774	0.017712	0.026513	0.002264	0.002897	0.004538	0.000646	0.000994

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated											0.0000	4,866.9342	4,866.9342	0.0848	0.0176	4,874.2837

Arts Center
CalEEMod Output - Operations (Existing) - Annual

Electricity Unmitigated													0.0000	4,866.9342	4,866.9342	0.0848	0.0176	4,874.2837
NaturalGas Mitigated													0.0000	716.5952	716.5952	0.0137	0.0131	720.8536
NaturalGas Unmitigated													0.0000	716.5952	716.5952	0.0137	0.0131	720.8536

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	571282											0.0000	30.4858	30.4858	5.8000e-004	5.6000e-004	30.6670
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	1.28572e+007											0.0000	686.1094	686.1094	0.0132	0.0126	690.1867
Total												0.0000	716.5952	716.5952	0.0137	0.0131	720.8536

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Arts Center
CalEEMod Output - Operations (Existing) - Annual

General Office Building	571282										0.0000	30.4858	30.4858	5.8000e-004	5.6000e-004	30.6670
Parking Lot	0										0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	1.28572e+007										0.0000	686.1094	686.1094	0.0132	0.0126	690.1867
Total											0.0000	716.5952	716.5952	0.0137	0.0131	720.8536

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	450140	339.7842	5.9200e-003	1.2300e-003	340.2973
General Office Building	699867	528.2881	9.2100e-003	1.9000e-003	529.0859
Parking Lot	455136	343.5554	5.9900e-003	1.2400e-003	344.0742
University/College (4Yr)	4.84248e+006	3,655.3065	0.0637	0.0132	3,660.8263
Total		4,866.9342	0.0848	0.0176	4,874.2837

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Arts Center
CalEEMod Output - Operations (Existing) - Annual

Enclosed Parking with Elevator	450140	339.7842	5.9200e-003	1.2300e-003	340.2973
General Office Building	699867	528.2881	9.2100e-003	1.9000e-003	529.0859
Parking Lot	455136	343.5554	5.9900e-003	1.2400e-003	344.0742
University/College (4Yr)	4.84248e+006	3,655.3065	0.0637	0.0132	3,660.8263
Total		4,866.9342	0.0848	0.0176	4,874.2837

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	0.0890	0.0890	2.5000e-004	0.0000	0.0953
Unmitigated											0.0000	0.0890	0.0890	2.5000e-004	0.0000	0.0953

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
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Arts Center
CalEEMod Output - Operations (Existing) - Annual

SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0890	0.0890	2.5000e-004	0.0000	0.0953
Total											0.0000	0.0890	0.0890	2.5000e-004	0.0000	0.0953

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0890	0.0890	2.5000e-004	0.0000	0.0953
Total											0.0000	0.0890	0.0890	2.5000e-004	0.0000	0.0953

7.0 Water Detail

7.1 Mitigation Measures Water

Arts Center
CalEEMod Output - Operations (Existing) - Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	219.0449	0.4018	0.0102	232.1208
Unmitigated	219.0449	0.4018	0.0102	232.1208

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.16153 / 5.00223	124.7574	0.2681	6.7200e-003	133.4618
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	4.0531 / 6.33947	94.2875	0.1337	3.4500e-003	98.6590
Total		219.0449	0.4018	0.0102	232.1208

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Arts Center
CalEEMod Output - Operations (Existing) - Annual

Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.16153 / 5.00223	124.7574	0.2681	6.7200e-003	133.4618
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	4.0531 / 6.33947	94.2875	0.1337	3.4500e-003	98.6590
Total		219.0449	0.4018	0.0102	232.1208

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	78.7970	4.6568	0.0000	195.2163
Unmitigated	78.7970	4.6568	0.0000	195.2163

8.2 Waste by Land Use

Unmitigated

Arts Center
CalEEMod Output - Operations (Existing) - Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	42.71	8.6697	0.5124	0.0000	21.4789
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	345.47	70.1273	4.1444	0.0000	173.7374
Total		78.7970	4.6568	0.0000	195.2163

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	42.71	8.6697	0.5124	0.0000	21.4789
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	345.47	70.1273	4.1444	0.0000	173.7374
Total		78.7970	4.6568	0.0000	195.2163

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
Emergency Generator	4	0.5	12	500	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (200,000 HP)	0.0197	0.0550	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Total	0.0197	0.0550	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712

11.0 Vegetation

ArtsCenter - No Project 2032 - Los Angeles-South Coast County, Annual

ArtsCenter - No Project 2032
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.92	1000sqft	1.05	45,923.00	0
University/College (4Yr)	1,893.00	Student	7.99	410,380.00	0
Enclosed Parking with Elevator	355.00	Space	3.19	142,000.00	0
Parking Lot	1,293.00	Space	11.64	517,200.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MWhr)	865.28	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Carbon Intensity Factor for RPS of 50 Percent (SB 350)

Land Use - Existing

Construction Phase - No construction

Off-road Equipment - No construction

Off-road Equipment -

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

Vehicle Trips - Traffic Study

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Energy Use - Historical

Stationary Sources - Emergency Generators and Fire Pumps - Existing

Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	T24E	3.92	0.35
tblLandUse	BuildingSpaceSquareFeet	45,920.00	45,923.00
tblLandUse	BuildingSpaceSquareFeet	347,928.61	410,380.00
tblLandUse	LandUseSquareFeet	45,920.00	45,923.00
tblLandUse	LandUseSquareFeet	347,928.61	410,380.00
tblProjectCharacteristics	CO2IntensityFactor	1664.14	865.28
tblProjectCharacteristics	OperationalYear	2018	2032
tblStationaryGeneratorsPumpsUse	HorsePowerValue	600.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	4.00
tblVehicleTrips	ST_TR	2.46	2.09
tblVehicleTrips	ST_TR	1.30	1.57
tblVehicleTrips	SU_TR	1.05	0.89
tblVehicleTrips	WD_TR	11.03	9.36
tblVehicleTrips	WD_TR	1.71	2.07

2.0 Emissions Summary

2.2 Overall Operational

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

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											0.0000	0.0890	0.0890	2.3000e-004	0.0000	0.0948
Energy											0.0000	3,247.1881	3,247.1881	0.0986	0.0307	3,258.7960
Mobile											0.0000	3,707.7158	3,707.7158	0.1525	0.0000	3,711.5294
Stationary											0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste											78.7970	0.0000	78.7970	4.6568	0.0000	195.2163
Water											3.8751	111.8789	115.7540	0.4018	0.0102	128.8299
Total											82.6722	7,076.0110	7,158.6831	5.3111	0.0409	7,303.6375

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											0.0000	0.0890	0.0890	2.3000e-004	0.0000	0.0948
Energy											0.0000	3,247.1881	3,247.1881	0.0986	0.0307	3,258.7960
Mobile											0.0000	3,707.7158	3,707.7158	0.1525	0.0000	3,711.5294
Stationary											0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

Waste												78.7970	0.0000	78.7970	4.6568	0.0000	195.2163
Water												3.8751	111.8789	115.7540	0.4018	0.0102	128.8299
Total												82.6722	7,076.0110	7,158.6831	5.3111	0.0409	7,303.6375

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

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	3,707.7158	3,707.7158	0.1525	0.0000	3,711.5294
Unmitigated											0.0000	3,707.7158	3,707.7158	0.1525	0.0000	3,711.5294

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	429.81	95.97	40.87	1,051,990	1,051,990
Parking Lot	0.00	0.00	0.00		
University/College (4Yr)	3,918.51	2,972.01	0.00	9,683,057	9,683,057
Total	4,348.32	3,067.98	40.87	10,735,047	10,735,047

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-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
University/College (4Yr)	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Enclosed Parking with Elevator	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Parking Lot	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

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

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

Category	tons/yr										MT/yr					
Electricity Mitigated											0.0000	2,530.5929	2,530.5929	0.0848	0.0176	2,537.9424
Electricity Unmitigated											0.0000	2,530.5929	2,530.5929	0.0848	0.0176	2,537.9424
NaturalGas Mitigated											0.0000	716.5952	716.5952	0.0137	0.0131	720.8536
NaturalGas Unmitigated											0.0000	716.5952	716.5952	0.0137	0.0131	720.8536

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Enclosed Parking with Elevator	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	571282											0.0000	30.4858	30.4858	5.8000e-004	5.6000e-004	30.6670
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	1.28572e+007											0.0000	686.1094	686.1094	0.0132	0.0126	690.1867
Total												0.0000	716.5952	716.5952	0.0137	0.0131	720.8536

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
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Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

Land Use	kBTU/yr	tons/yr								MT/yr					
Enclosed Parking with Elevator	0									0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	571282									0.0000	30.4858	30.4858	5.8000e-004	5.6000e-004	30.6670
Parking Lot	0									0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	1.28572e+007									0.0000	686.1094	686.1094	0.0132	0.0126	690.1867
Total										0.0000	716.5952	716.5952	0.0137	0.0131	720.8536

5.3 Energy by Land Use - Electricity

Unmitigated

Land Use	Electricity Use kWh/yr	MT/yr			
		Total CO2	CH4	N2O	CO2e
Enclosed Parking with Elevator	450140	176.6729	5.9200e-003	1.2300e-003	177.1860
General Office Building	699867	274.6867	9.2100e-003	1.9000e-003	275.4845
Parking Lot	455136	178.6338	5.9900e-003	1.2400e-003	179.1526
University/College (4Yr)	4.84248e+006	1,900.5995	0.0637	0.0132	1,906.1193
Total		2,530.5929	0.0848	0.0176	2,537.9424

Mitigated

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Enclosed Parking with Elevator	450140	176.6729	5.9200e-003	1.2300e-003	177.1860
General Office Building	699867	274.6867	9.2100e-003	1.9000e-003	275.4845
Parking Lot	455136	178.6338	5.9900e-003	1.2400e-003	179.1526
University/College (4Yr)	4.84248e+006	1,900.5995	0.0637	0.0132	1,906.1193
Total		2,530.5929	0.0848	0.0176	2,537.9424

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	0.0890	0.0890	2.3000e-004	0.0000	0.0948
Unmitigated											0.0000	0.0890	0.0890	2.3000e-004	0.0000	0.0948

6.2 Area by SubCategory

Unmitigated

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0890	0.0890	2.3000e-004	0.0000	0.0948
Total											0.0000	0.0890	0.0890	2.3000e-004	0.0000	0.0948

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	0.0890	0.0890	2.3000e-004	0.0000	0.0948
Total											0.0000	0.0890	0.0890	2.3000e-004	0.0000	0.0948

7.0 Water Detail

7.1 Mitigation Measures Water

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	115.7540	0.4018	0.0102	128.8299
Unmitigated	115.7540	0.4018	0.0102	128.8299

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.16153 / 5.00223	66.1114	0.2681	6.7200e-003	74.8157
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	4.0531 / 6.33947	49.6427	0.1337	3.4500e-003	54.0142
Total		115.7540	0.4018	0.0102	128.8299

Mitigated

Arts Center
CalEEMod Output - Operations (Future No Project) - Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.16153 / 5.00223	66.1114	0.2681	6.7200e-003	74.8157
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	4.0531 / 6.33947	49.6427	0.1337	3.4500e-003	54.0142
Total		115.7540	0.4018	0.0102	128.8299

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	78.7970	4.6568	0.0000	195.2163
Unmitigated	78.7970	4.6568	0.0000	195.2163

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	42.71	8.6697	0.5124	0.0000	21.4789
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	345.47	70.1273	4.1444	0.0000	173.7374
Total		78.7970	4.6568	0.0000	195.2163

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	42.71	8.6697	0.5124	0.0000	21.4789
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	345.47	70.1273	4.1444	0.0000	173.7374
Total		78.7970	4.6568	0.0000	195.2163

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
Emergency Generator	4	0.5	12	500	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (200,000 HP)											0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Total											0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712

11.0 Vegetation

ArtsCenter - Project 2032 - Los Angeles-South Coast County, Annual

ArtsCenter - Project 2032
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	45.92	1000sqft	1.05	45,923.00	0
University/College (4Yr)	2,500.00	Student	10.55	536,952.00	0
Enclosed Parking with Elevator	1,171.00	Space	10.54	468,400.00	0
Parking Lot	937.00	Space	8.43	374,800.00	0
High Turnover (Sit Down Restaurant)	11.78	1000sqft	0.27	11,778.00	0
Movie Theater (No Matinee)	300.00	Seat	0.15	6,750.00	0
Apartments Mid Rise	380.00	Dwelling Unit	10.00	345,000.00	1087

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	11			Operational Year	2032
Utility Company	Pasadena Water & Power				
CO2 Intensity (lb/MW hr)	393	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Carbon Intensity Factor for RPS of 50 Percent (SB 350)

Land Use - Full buildout

Arts Center
CalEEMod Output - Operations (Future with Project) - Annual

- Construction Phase -
- Off-road Equipment -
- Trips and VMT -
- Architectural Coating -
- Vehicle Trips - Traffic Study
- Woodstoves - No woodstoves and assumed no fireplaces in dorms or out door amenities.
- Area Coating -
- Energy Use - 2016 Title 24
- Water Mitigation - CalGreen
- Waste Mitigation - California Integrated Waste Management Act
- Stationary Sources - Emergency Generators and Fire Pumps - existing
- Stationary Sources - Emergency Generators and Fire Pumps EF -

Table Name	Column Name	Default Value	New Value
tblEnergyUse	LightingElect	2.63	1.75
tblEnergyUse	T24E	194.04	139.71
tblEnergyUse	T24E	3.92	0.36
tblEnergyUse	T24E	4.82	4.58
tblEnergyUse	T24E	8.50	8.08
tblEnergyUse	T24E	2.36	2.24
tblEnergyUse	T24E	3.18	2.07
tblFireplaces	NumberGas	323.00	0.00
tblFireplaces	NumberNoFireplace	38.00	380.00
tblFireplaces	NumberWood	19.00	0.00
tblLandUse	BuildingSpaceSquareFeet	45,920.00	45,923.00
tblLandUse	BuildingSpaceSquareFeet	459,493.67	536,952.00
tblLandUse	BuildingSpaceSquareFeet	11,780.00	11,778.00
tblLandUse	BuildingSpaceSquareFeet	380,000.00	345,000.00
tblLandUse	LandUseSquareFeet	45,920.00	45,923.00

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tblLandUse	LandUseSquareFeet	459,493.67	536,952.00
tblLandUse	LandUseSquareFeet	11,780.00	11,778.00
tblLandUse	LandUseSquareFeet	380,000.00	345,000.00
tblProjectCharacteristics	CO2IntensityFactor	1664.14	393
tblProjectCharacteristics	OperationalYear	2018	2032
tblStationaryGeneratorsPumpsUse	HorsePowerValue	600.00	500.00
tblStationaryGeneratorsPumpsUse	HoursPerYear	0.00	12.00
tblStationaryGeneratorsPumpsUse	NumberOfEquipment	0.00	4.00
tblVehicleTrips	ST_TR	6.39	2.24
tblVehicleTrips	ST_TR	2.46	2.09
tblVehicleTrips	ST_TR	158.37	71.13
tblVehicleTrips	ST_TR	2.24	1.69
tblVehicleTrips	ST_TR	1.30	1.57
tblVehicleTrips	SU_TR	5.86	2.05
tblVehicleTrips	SU_TR	1.05	0.89
tblVehicleTrips	SU_TR	131.84	59.21
tblVehicleTrips	SU_TR	1.85	1.40
tblVehicleTrips	WD_TR	6.65	2.33
tblVehicleTrips	WD_TR	11.03	9.36
tblVehicleTrips	WD_TR	127.15	57.10
tblVehicleTrips	WD_TR	1.76	1.33
tblVehicleTrips	WD_TR	1.71	2.07
tblWoodstoves	NumberCatalytic	19.00	0.00
tblWoodstoves	NumberNoncatalytic	19.00	0.00

2.0 Emissions Summary

Arts Center
CalEEMod Output - Operations (Future with Project) - Annual

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											0.0000	6.5245	6.5245	6.4200e-003	0.0000	6.6850
Energy											0.0000	2,804.6811	2,804.6811	0.1423	0.0465	2,822.0805
Mobile											0.0000	6,465.5034	6,465.5034	0.2677	0.0000	6,472.1958
Stationary											0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste											165.2225	0.0000	165.2225	9.7644	0.0000	409.3317
Water											14.1366	161.6240	175.7606	1.4639	0.0368	223.3098
Total											179.3591	9,447.4722	9,626.8312	11.6460	0.0832	9,942.7739

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											0.0000	6.5245	6.5245	6.4200e-003	0.0000	6.6850
Energy											0.0000	2,804.6811	2,804.6811	0.1423	0.0465	2,822.0805
Mobile											0.0000	6,465.5034	6,465.5034	0.2677	0.0000	6,472.1958

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Stationary												0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste												82.6112	0.0000	82.6112	4.8822	0.0000	204.6658
Water												11.3093	129.2992	140.6085	1.1711	0.0294	178.6479
Total												93.9205	9,415.1474	9,509.0679	6.4710	0.0759	9,693.4461

	ROG	NOx	CO	SO2	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											47.64	0.34	1.22	44.44	8.83	2.51

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	6,465.5034	6,465.5034	0.2677	0.0000	6,472.1958
Unmitigated											0.0000	6,465.5034	6,465.5034	0.2677	0.0000	6,472.1958

4.2 Trip Summary Information

	Average Daily Trip Rate	Unmitigated	Mitigated
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Arts Center
CalEEMod Output - Operations (Future with Project) - Annual

Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	885.40	851.20	779.00	2,956,910	2,956,910
Enclosed Parking with Elevator	0.00	0.00	0.00		
General Office Building	429.81	95.97	40.87	1,051,990	1,051,990
High Turnover (Sit Down Restaurant)	672.64	837.91	697.49	953,708	953,708
Movie Theater (No Matinee)	399.00	507.00	420.00	884,538	884,538
Parking Lot	0.00	0.00	0.00		
University/College (4Yr)	5,175.00	3,925.00	0.00	12,787,979	12,787,979
Total	7,561.85	6,217.08	1,937.36	18,635,125	18,635,125

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Enclosed Parking with Elevator	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down Restaurant)	16.60	8.40	6.90	8.50	72.50	19.00	37	20	43
Movie Theater (No Matinee)	16.60	8.40	6.90	1.80	79.20	19.00	66	17	17
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
University/College (4Yr)	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Enclosed Parking with Elevator	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Parking Lot	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
High Turnover (Sit Down Restaurant)	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Movie Theater (No Matinee)	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808
Apartments Mid Rise	0.541203	0.043876	0.210965	0.115864	0.013543	0.006402	0.021652	0.035300	0.002663	0.001693	0.005307	0.000725	0.000808

5.0 Energy Detail

Arts Center
CalEEMod Output - Operations (Future with Project) - Annual

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated											0.0000	1,621.0772	1,621.0772	0.1196	0.0248	1,631.4430
Electricity Unmitigated											0.0000	1,621.0772	1,621.0772	0.1196	0.0248	1,631.4430
NaturalGas Mitigated											0.0000	1,183.6039	1,183.6039	0.0227	0.0217	1,190.6374
NaturalGas Unmitigated											0.0000	1,183.6039	1,183.6039	0.0227	0.0217	1,190.6374

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.24077e+006											0.0000	226.3034	226.3034	4.3400e-003	4.1500e-003	227.6482
Enclosed Parking with Elevator	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	480355											0.0000	25.6336	25.6336	4.9000e-004	4.7000e-004	25.7859

**Arts Center
CalEEMod Output - Operations (Future with Project) - Annual**

High Turnover (Sit Down Restaurant)	2.72036e+006												0.0000	145.1690	145.1690	2.7800e-003	2.6600e-003	146.0317
Movie Theater (No Matinee)	122580												0.0000	6.5413	6.5413	1.3000e-004	1.2000e-004	6.5802
Parking Lot	0												0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	1.46158e+007												0.0000	779.9565	779.9565	0.0150	0.0143	784.5914
Total													0.0000	1,183.6039	1,183.6039	0.0227	0.0217	1,190.6374

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	4.24077e+006											0.0000	226.3034	226.3034	4.3400e-003	4.1500e-003	227.6482
Enclosed Parking with Elevator	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
General Office Building	480355											0.0000	25.6336	25.6336	4.9000e-004	4.7000e-004	25.7859
High Turnover (Sit Down Restaurant)	2.72036e+006											0.0000	145.1690	145.1690	2.7800e-003	2.6600e-003	146.0317
Movie Theater (No Matinee)	122580											0.0000	6.5413	6.5413	1.3000e-004	1.2000e-004	6.5802
Parking Lot	0											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	1.46158e+007											0.0000	779.9565	779.9565	0.0150	0.0143	784.5914
Total												0.0000	1,183.6039	1,183.6039	0.0227	0.0217	1,190.6374

5.3 Energy by Land Use - Electricity

Unmitigated

Arts Center
CalEEMod Output - Operations (Future with Project) - Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.58012e+006	281.6750	0.0208	4.3000e-003	283.4762
Enclosed Parking with Elevator	1.07732e+006	192.0450	0.0142	2.9300e-003	193.2730
General Office Building	600673	107.0770	7.9000e-003	1.6300e-003	107.7617
High Turnover (Sit Down Restaurant)	522590	93.1578	6.8700e-003	1.4200e-003	93.7535
Movie Theater (No Matinee)	75532.5	13.4646	9.9000e-004	2.1000e-004	13.5507
Parking Lot	329824	58.7950	4.3400e-003	9.0000e-004	59.1710
University/College (4Yr)	4.90774e+006	874.8628	0.0646	0.0134	880.4570
Total		1,621.0772	0.1196	0.0248	1,631.4431

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.58012e+006	281.6750	0.0208	4.3000e-003	283.4762
Enclosed Parking with Elevator	1.07732e+006	192.0450	0.0142	2.9300e-003	193.2730
General Office Building	600673	107.0770	7.9000e-003	1.6300e-003	107.7617

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High Turnover (Sit Down Restaurant)	522590	93.1578	6.8700e-003	1.4200e-003	93.7535
Movie Theater (No Matinee)	75532.5	13.4646	9.9000e-004	2.1000e-004	13.5507
Parking Lot	329824	58.7950	4.3400e-003	9.0000e-004	59.1710
University/College (4Yr)	4.90774e+006	874.8628	0.0646	0.0134	880.4570
Total		1,621.0772	0.1196	0.0248	1,631.4431

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated											0.0000	6.5245	6.5245	6.4200e-003	0.0000	6.6850
Unmitigated											0.0000	6.5245	6.5245	6.4200e-003	0.0000	6.6850

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
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SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	6.5245	6.5245	6.4200e-003	0.0000	6.6850
Total											0.0000	6.5245	6.5245	6.4200e-003	0.0000	6.6850

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth											0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping											0.0000	6.5245	6.5245	6.4200e-003	0.0000	6.6850
Total											0.0000	6.5245	6.5245	6.4200e-003	0.0000	6.6850

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

Arts Center
CalEEMod Output - Operations (Future with Project) - Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	140.6085	1.1711	0.0294	178.6479
Unmitigated	175.7606	1.4639	0.0368	223.3098

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	24.7585 / 15.6086	96.2357	0.8133	0.0204	122.6464
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	8.16153 / 5.00223	31.4403	0.2681	6.7200e-003	40.1446
High Turnover (Sit Down Restaurant)	3.57563 / 0.228232	9.8860	0.1172	2.8800e-003	13.6745
Movie Theater (No Matinee)	2.71081 / 0.17303	7.4949	0.0888	2.1900e-003	10.3672
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	5.35275 / 8.37225	30.7039	0.1766	4.5600e-003	36.4771

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Total		175.7606	1.4639	0.0368	223.3098
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Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	19.8068 / 12.4869	76.9885	0.6506	0.0163	98.1171
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
General Office Building	6.52923 / 4.00178	25.1522	0.2145	5.3800e-003	32.1157
High Turnover (Sit Down Restaurant)	2.8605 / 0.182585	7.9088	0.0937	2.3100e-003	10.9396
Movie Theater (No Matinee)	2.16865 / 0.138424	5.9959	0.0711	1.7500e-003	8.2937
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	4.2822 / 6.6978	24.5631	0.1413	3.6500e-003	29.1817
Total		140.6085	1.1711	0.0294	178.6479

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

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	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	82.6112	4.8822	0.0000	204.6658
Unmitigated	165.2225	9.7644	0.0000	409.3317

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	174.8	35.4828	2.0970	0.0000	87.9072
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	42.71	8.6697	0.5124	0.0000	21.4789
High Turnover (Sit Down Restaurant)	140.18	28.4553	1.6817	0.0000	70.4967
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	456.25	92.6146	5.4734	0.0000	229.4488
Total		165.2225	9.7644	0.0000	409.3317

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Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	87.4	17.7414	1.0485	0.0000	43.9536
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
General Office Building	21.355	4.3349	0.2562	0.0000	10.7395
High Turnover (Sit Down Restaurant)	70.09	14.2276	0.8408	0.0000	35.2484
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
University/College (4Yr)	228.125	46.3073	2.7367	0.0000	114.7244
Total		82.6112	4.8822	0.0000	204.6658

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
Emergency Generator	4	0.5	12	500	0.73	Diesel

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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10.1 Stationary Sources

Unmitigated/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
Equipment Type	tons/yr										M1/yr					
Emergency Generator - Diesel (200,000 HP)	0.0197	0.0550	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Total	0.0197	0.0550	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712

11.0 Vegetation
