

Construction Fuel

2029 EMFAC #'s for Gas+Diesel

	MTCO ₂ e	Gallons of Fuel ⁴	2025 County Fuel	Percent Increase Countywide
On-Site Diesel¹				
Demolition	78	7,717		
Site Preparation/Grading	0	0		
Building Construction	57	5,660		
Paving	0	0		
Architectural Coating	0	0		
Total	136	13,377	47,393,420	0.0282%
Off-Site Diesel¹				
Demolition	164	16,158		
Site Preparation/Grading	0	0		
Building Construction	0	0		
Paving	0	0		
Architectural Coating	0	0		
Total	164	16,158	47,393,420	0.0341%
Off-Site Gasoline²				
Demolition	4	473		
Site Preparation/Grading	0	0		
Building Construction	0	0		
Paving	0	0		
Architectural Coating	0	0		
Total	4	473	163,746,024	0.0003%
Total Diesel Fuel		29,535	47,393,420	0.0623%
Total Gasoline Fuel		473	163,746,024	0.0003%
Total Construction Fuel	304	30,007		

Construction Phase ³	Demolition			Site Preparation			Grading		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2025	78	164	4	0	0	0	0	0	0
Total	78	164	4	0	0	0	0	0	0
Construction Phase ³	Building Construction			Paving			Architectural Coating		
	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)	On-Site Diesel (Off-Road)	Off-Site Diesel (Hauling/Vendor)	Off-Site Gas (Worker)
2025	57	0	0	0	0	0	0	0	0
Total	57	0	0	0	0	0	0	0	0

Notes:

¹ Fuel used for off-road, hauling, and vendor trips assumed to be diesel.

² Fuel used for worker trips assumed to be gasoline.

³ MTCO₂e rates from CalEEMod (3.0 Construction Emission Details).

⁴ For CO₂e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

Construction Water

Daily Soil Disturbance ¹	0	acres
Days of Soil Disturbance ²	109	days
Water Concentration ³	3,020	gallons/acre
Water Energy Intensity ⁴	4,934	kWh/MG
Total Construction Water	0.00	million gallons
Construction Water Energy	0	kWh
	0.0000	MWh
Percentage Increase Countywide	0.000000%	

Notes:

¹ Total daily acres disturbed from offroad equipment per CalEEMod (5.6.1 Construction Earthmoving Activities) and maximum SCAQMD LST values for soil-disturbing equipment.

² Number of days of construction with soil-disturbing equipment per CalEEMod (5.1 Construction Schedule).

³ Water application rate per Air and Waste Management Association's Air Pollution Engineering Manual.

⁴ Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix G, page G-32.