

**Construction Fuel**

	MTCO <sub>2</sub> e	Gallons of Fuel <sup>4</sup>	Current County Fuel	Percent
<b>On-Site Diesel<sup>1</sup></b>				
Demolition	0	0		
Site Preparation/Grading	26	2,522		
Building Construction	0	0		
Paving	6	591		
Architectural Coating	0	0		
<b>Total</b>	<b>32</b>	<b>3,113</b>	<b>22,875,674</b>	<b>0.0136%</b>
<b>Off-Site Diesel<sup>1</sup></b>				
Demolition	0	0		
Site Preparation/Grading	1	49		
Building Construction	0	0		
Paving	0	0		
Architectural Coating	0	0		
<b>Total</b>	<b>1</b>	<b>49</b>	<b>22,875,674</b>	<b>0.0002%</b>
<b>Off-Site Gasoline<sup>2</sup></b>				
Demolition	0	0		
Site Preparation/Grading	0	0		
Building Construction	0	0		
Paving	0	30		
Architectural Coating	0	0		
<b>Total</b>	<b>0</b>	<b>30</b>	<b>27,139,820.00</b>	<b>0.0001%</b>
Total Diesel Fuel		<b>3,163</b>	<b>22,875,674</b>	<b>0.0138%</b>
Total Gasoline Fuel		<b>30</b>	<b>27,139,820</b>	<b>0.0001%</b>
Total Construction Fuel	<b>32</b>	<b>3,193</b>		

Construction Phase <sup>3</sup>	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)
2023	14	0	1	2	-	-	21	1	-
2024							3		
<b>Total</b>				<b>2</b>	<b>-</b>	<b>-</b>	<b>24</b>	<b>1</b>	<b>-</b>

Construction Phase <sup>3</sup>	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)
2023	-	-	-	-	-	-	-	-	-
2024	-	-	-	6	-	0	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>

Notes:

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

<sup>2</sup> Fuel used for worker trips assumed to be gasoline.

<sup>3</sup> MTCO<sub>2</sub>e rates from CalEEMod (3.0 Construction Details).

<sup>4</sup> For CO<sub>2</sub>e emissions, see Chapter 13 (page 94); Conversion Ratios: Climate Registry, General Reporting Protocol, 2016.

**Construction Water**

Daily Soil Disturbance <sup>1</sup>	21.5	acres	
Days of Soil Disturbance <sup>2</sup>	34	days	
Water Concentration <sup>3</sup>	3,020	gallons/acre	
Water Energy Intensity <sup>4</sup>	3,500	kWh/MG	
Total Construction Water	2.21	million gallons	
Construction Water Energy	7,727	kWh	
	0.0077		22875673.61
	7.7267	MWh	
Percentage Increase Countywide	0.001927%		

Notes:

<sup>1</sup> Total daily acres disturbed from offroad equipment per CalEEMod (3.0 Construction Detail) and maximum SCAQMD LST values for soil-disturbing equipment. (Acres of Grading)

<sup>2</sup> Number of days of construction with soil-disturbing equipment per CalEEMod (3.0 Construction Detail).

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

<sup>4</sup> Water energy intensity factor for county subarea per CalEEMod User Guide, Appendix D, page D-343.