

Appendix B1: CalEEMod Estimation of Fuel and Energy Use for Construction and Operation

Appendices

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Operation-Related Vehicle Fuel/Energy Usage

PROPOSED COMMUTE

Year	Gas		Diesel		CNG		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	Gallons	VMT	kWh
Proposed Project	4,484,669	185,462	315,131	34,774	12,584	3,598	46,073	15,386
Total	4,484,669	185,462	315,131	34,774	12,584	3,598	46,073	15,386

Construction-Related Fuel/Energy Usage

CONSTRUCTION WORKER COMMUTE

Year	Gas		Diesel		Electricity	
	VMT	Gallons	VMT	Gallons	VMT	kWh
2018	286,073	11,640	1,360	36	1,647	554
2019	689,228	27,248	3,627	94	4,890	1,639
2020	548,183	20,406	3,555	85	5,723	1,912
Total	1,523,484	59,293	8,542	215	12,260	4,105

CONSTRUCTION VENDOR TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2018	4,315	900	43,833	6,042
2019	4,671	963	49,356	6,652
2020	2,134	436	23,203	3,073
Total	11,120	2,299	116,392	15,767

CONSTRUCTION TRUCK HAUL TRIPS

Year	Gas		Diesel	
	VMT	Gallons	VMT	Gallons
2018	98	26	102,402	16,910
2019	0	0	0	0
2020	0	0	0	0
Total	98	26	102,402	16,910