APPENDIX E - ENERGY

Proposed Project
Total Construction-Related
Gasoline Usage

Table 1. Construction Year One			
Action	**Carbon Dioxide Equivalents (CO_2e) in Metric Tons[1]**	**Conversion of Metric Tons to Kilograms[2]**	**Construction Equipment Emission Factor[2]**
Project Construction	123	123,000	10.15
Total Gallons Consumed During Construction Year One:			**12,118**

Table 2. Construction Year Two			
Action	**Carbon Dioxide Equivalents (CO_2e) in Metric Tons[1]**	**Conversion of Metric Tons to Kilograms[2]**	**Construction Equipment Emission Factor[2]**
Project Construction	774	774,000	10.15
Total Gallons Consumed During Construction Year Two:			**76,256**

Table 3. Construction Year Three			
Action	**Carbon Dioxide Equivalents (CO_2e) in Metric Tons[1]**	**Conversion of Metric Tons to Kilograms[2]**	**Construction Equipment Emission Factor[2]**
Project Construction	419	419,000	10.15
Total Gallons Consumed During Construction Year Three:			**41,281**

Table 4. Construction Year Four			
Action	**Carbon Dioxide Equivalents (CO_2e) in Metric Tons[1]**	**Conversion of Metric Tons to Kilograms[2]**	**Construction Equipment Emission Factor[2]**
Project Construction	309	309,000	10.15
Total Gallons Consumed During Construction Year Four:			**30,443**

Notes:

Fuel used by all construction equipment, including vehicle hauling trucks, assumed to be diesel.
[1]Per CalEEMod Output Files found in Appendix A
[2]Per Climate Registry Equation 13e

Sources:

[1]ECORP Consulting. 2022.
[2]Climate Registry. 2016. *General Reporting Protocol for the Voluntary Reporting Program version 2.1.* January 2016.
http://www.theclimateregistry.org/wp-content/uploads/2014/11/General-Reporting-Protocol-Version-2.1.pdf