APPENDIX C

Greenhouse Gases Calculations

Proposed Project Greenhouse Gas Emissions (Metric Tons) for all Years

Key Notes:

[1] Greenhouse gas emissions are inclusive of OGV emissions up to California border

[2] CO2e emissions includes and accounts for amortized construction emissions

Proposed Project

Project	Year	Emissions (Metric Tons)				Method Source
		CO	CH4	N2O	100-Year GWP - CO2e	
Baseline	2021	8,349	0.14	0.42	8,469	Based on Calculations
Proposed Project	2022	11,529	0.18	0.60	11,721	Interpolation
Proposed Project	2023	14,709	0.23	0.77	14,974	Interpolation
Proposed Project	2024	17,889	0.28	0.95	18,227	Interpolation
Proposed Project	2025	21,069	0.32	1.12	21,479	Interpolation
Proposed Project	2026	24,249	0.37	1.29	24,732	Interpolation
Proposed Project	2027	27,428	0.42	1.47	27,984	Based on Calculations
Proposed Project	2028	27,428	0.42	1.47	27,984	Interpolation
Proposed Project	2029	27,427	0.42	1.47	27,983	Interpolation
Proposed Project	2030	27,427	0.42	1.47	27,982	Interpolation
Proposed Project	2031	27,426	0.42	1.47	27,982	Interpolation
Proposed Project	2032	27,425	0.42	1.47	27,981	Interpolation
Proposed Project	2033	27,425	0.42	1.47	27,980	Interpolation
Proposed Project	2034	27,424	0.42	1.47	27,980	Interpolation
Proposed Project	2035	27,424	0.42	1.47	27,979	Interpolation
Proposed Project	2036	27,423	0.42	1.47	27,979	Interpolation
Proposed Project	2037	27,422	0.42	1.47	27,978	Interpolation
Proposed Project	2038	27,422	0.42	1.47	27,977	Interpolation
Proposed Project	2039	27,421	0.42	1.47	27,977	Interpolation
Proposed Project	2040	27,421	0.42	1.47	27,976	Interpolation
Proposed Project	2041	27,420	0.42	1.47	27,975	Interpolation
Proposed Project	2042	27,419	0.42	1.47	27,975	Interpolation
Proposed Project	2043	27,419	0.42	1.47	27,974	Interpolation
Proposed Project	2044	27,418	0.42	1.47	27,974	Interpolation
Proposed Project	2045	27,418	0.42	1.47	27,973	Interpolation
Proposed Project	2046	27,417	0.42	1.47	27,972	Interpolation
Proposed Project	2047	27,416	0.42	1.47	27,972	Interpolation
Proposed Project	2048	27,416	0.42	1.47	27,971	Interpolation
Proposed Project	2049	27,415	0.42	1.46	27,970	Interpolation
Proposed Project	2050	27,415	0.42	1.46	27,970	Interpolation
Proposed Project	2051	27,414	0.42	1.46	27,969	Interpolation
Proposed Project	2052	27,413	0.42	1.46	27,969	Interpolation
Proposed Project	2053	27,413	0.42	1.46	27,968	Interpolation
Proposed Project	2054	27,412	0.42	1.46	27,967	Interpolation
Proposed Project	2055	27,412	0.42	1.46	27,967	Interpolation
Proposed Project	2056	27,411	0.42	1.46	27,966	Interpolation
Proposed Project	2057	27,410	0.42	1.46	27,965	Based on Calculations

Global Warming Potentials:

GHG	100-Year AR6 2021 Value
CO_2	1
CH_4 (fossil origin)	29.8
N_2O	273

The Climate Registry, General Protocols, 2021 Emission Factors, Table 5.1 for AR6.