

Attachment D

Construction Costs for Proposed Measures

Table 1: Cost to build all electric compared to building mixed fuel at the time of new construction

Building Type	Build All Electric	Build Mixed Fuel	30 year Utility Bill Savings (Electric vs. Natural Gas)
Office (54,000 s.f.)	\$13,442,663	\$13,500,000	\$3,880
Retail	\$8,251,025	\$8,275,000	\$1,939
Hotel/High Rise Multifamily	\$9,687,735	\$10,965,000	\$236,754
Single Family (2,700 s.f.)	\$799,420	\$810,000	\$2,520

Source: Analysis done by TRC Companies for the Peninsula Clean Energy Reach Code initiative based off of assumptions in Statewide cost-effectiveness study and cost to build in San Mateo County.

Table 2: Cost to install electric vehicle chargers at the time of new constructions compared to cost to retrofit and install chargers

Modeled Code Scenario*	Market Rate 25% Level 2 75% Level 1		Affordable Housing 10% Level 2 90% Level 1	
	Cost at New Construction	Cost to Retrofit	Cost at New Construction	Cost to Retrofit
60 Unit Multifamily Building with 60 enclosed parking spaces	\$1,410	\$4,443	\$1,049	\$3,982
150 Unit Multifamily Building with 150 enclosed parking spaces	\$1,197	\$4,101	\$1,002	\$3,854
Office Building with 60 parking spaces	\$1,166	\$3,232	N/A	N/A

*These cost figures were calculated using the charging infrastructure levels in Peninsula Clean Energy's model EV Charging code for SMC jurisdictions. County Staff are proposing different levels of EV Charging, but the cost figures are analogous.

Source: https://peninsulareachcodes.org/wp-content/uploads/2019/11/PCE_SCVE-EV-Infrastructure-Report-2019_11_05.pdf