

DOCKETED

Docket Number:	22-BSTD-07
Project Title:	Local Ordinance Applications Exceeding the 2022 Energy Code
TN #:	266529
Document Title:	City of Menlo Park demonstration of Cost-Effectiveness
Description:	Plain text of City of Menlo Park demonstration of Cost-Effectiveness
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Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	10/13/2025 1:50:34 PM
Docketed Date:	10/13/2025

Single Family AC to Heat Pump

Referenced Study

Title: [2025 Cost-Effectiveness Study: Single Family AC to Heat Pump Replacement](#)

Backup Data: [Single Family AC to HP Study Data](#)

Prepared for: Kelly Cunningham, Codes and Standards Program, Pacific Gas and Electric Company

Prepared by: Frontier Energy Inc., Misti Bruceri & Associates, LLC

Last Modified: 2025/08/08

Proposed Requirements

The ordinance requires that projects in existing single-family occupancies involving replacement or alteration of an existing air conditioning system or installation of a new air conditioning system either include a heat pump space conditioner as the primary heating system or install specific energy efficiency measures.

Cost-Effectiveness Results

Cost effectiveness results are summarized for each heat pump option (Dual fuel existing furnace, Standard Efficiency, and High Efficiency) by building vintage (Pre-1978, 1978-1991, 1992-2010) and rate tariffs (standard and CARE). The tables are reported for all heat pump types for the 1992-2010 vintage with standard tariffs in Tables 12-14 on pages 23-25. Cost effectiveness tables for CARE tariffs for all heat pump types of the 1992-2010 vintage are shown in Tables 15-17 on pages 26-28. For the two older vintages, all cost effectiveness results are recorded in Appendix 6.2.

Single Family FlexPath

Referenced Studies

Title: [Single Family Residential Retrofits \(FlexPath and Specific Measures\)](#)

Backup Data: [SF Retrofits Study Data](#)

Prepared for: Kelly Cunningham, Codes and Standards Program, Pacific Gas and Electric Company

Prepared by: Frontier Energy Inc., Misti Bruceri & Associates, LLC

Last Modified: 2024/04/25

Last Modified: 2021/08/27

Title: [Application of 2022 Studies to 2025 Energy Code: Existing Single Family Building Upgrades](#)

Prepared for: Kelly Cunningham, Codes and Standards Program, Pacific Gas and Electric Company

Prepared by: Frontier Energy Inc., Misti Bruceri & Associates, LLC

Last Modified: 2025/08/15

Proposed Requirements

The ordinance requires that major alterations or additions above a certain size select a subset of energy measures from a list to incorporate into their scope.

Cost-Effectiveness Results

Please see attached output from the Cost-Effectiveness Explorer. The memo describes the application of the results of the previous two cost-effectiveness studies to the current ordinance.