

**DOCKETED**

<b>Docket Number:</b>	19-BSTD-06
<b>Project Title:</b>	Local Ordinances Exceeding the 2019 Energy Code
<b>TN #:</b>	243372-5
<b>Document Title:</b>	City of Emeryville - 2019 Overview of CE Studies
<b>Description:</b>	Plain text of City of Emeryville overview of cost effectiveness studies in this application
<b>Filer:</b>	Danuta Drozdowicz
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	6/1/2022 10:31:28 AM
<b>Docketed Date:</b>	6/1/2022

# CITY OF EMERYVILLE - SUPPORTING COST EFFECTIVENESS STUDIES

## REFERENCE STUDIES:

1. Title: 2019 Cost-effectiveness Study: Low-Rise Residential New Construction  
 Prepared For: Kelly Cunningham, Codes and Standards Program, Pacific Gas and Electric Company  
 Prepared By: Frontier Energy, Inc., Misti Bruceri & Associates, LLC  
 Last Modified: August 1, 2019
  
2. Title: 2019 Nonresidential New Construction Reach Code Cost Effectiveness Study  
 Prepared For: Christopher Kuch, Codes and Standards Program, Southern California Edison Company  
 Prepared By: TRC, EnergySoft  
 Last Modified: July 25, 2019
  
3. Title: 2019 Mid-Rise New Construction Reach Code Cost-Effectiveness Study  
 Prepared For: Kelly Cunningham, Codes and Standards Program, Pacific Gas and Electric Company  
 Prepared By: Frontier Energy, Inc., Misti Bruceri & Associates, LLC, EnergySoft  
 Last Modified: June 22, 2020

## PROPOSED REQUIREMENTS

### SUMMARY – ALL-ELECTRIC REQUIRED

All newly constructed residential and hotel/motel buildings shall be all-electric, defined as no natural gas or plumbing installed within the building, and that uses electricity as the source of energy for space heating, water heating, cooking, and clothes drying appliances. Some exceptions are allowed, as summarized in the table below, although electrical pre-wiring is required for any exception.

Proposed Reach Code	Building Electrification	Solar PV	Reference Study
<b>Single and Two-Family New Construction</b>	All electric;	Not Applicable – Solar already required by Energy Code.	Study 1: 2019 Cost-effectiveness Study: Low-Rise Residential New Construction
<b>Multi-family Buildings and Hotels/Motels</b>	All electric; Exception if there is not an all-electric prescriptive compliance pathway, or if the building is not able to show compliance using a commercially	Installed on the entirety of the Solar Zone as defined in Section 110.10.	Study 1: Title: 2019 Cost-effectiveness Study: Low-Rise Residential New Construction  And

	available technology via the alternative calculation method.	Exceptions for buildings with certain vegetative roofs or for over-generation.	Study 2: 2019 Nonresidential New Construction Reach Code Cost Effectiveness Study  And  Study 3: 2019 Mid-Rise New Construction Reach Code Cost Effectiveness Study
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