

DOCKETED

Docket Number:	19-BSTD-06
Project Title:	Local Ordinances Exceeding the 2019 Energy Code
TN #:	238266-4
Document Title:	Daly City - 2019 Overview of Cost Effectiveness Studies
Description:	Plain text of the Overview of Cost Effectiveness Studies for Daly City 2019 Local Ordinance 1448
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Organization:	City of Daly City
Submitter Role:	Public Agency
Submission Date:	6/17/2021 2:42:49 PM
Docketed Date:	6/17/2021



CITY OF DALY CITY

DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT,
BUILDING DIVISION

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Att. 4a Overview of cost effectiveness studies

OVERVIEW OF SUPPORTING COST EFFECTIVENESS STUDIES

REFERENCE STUDIES:

1. 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
2. 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
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 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.

Proposed Reach Code	Building Electrification	Solar PV	Reference Study
Single and Two-Family New Construction	All electric; Exceptions:	Not Applicable – Solar already required by Energy Code.	Refer to Reference Study 1: Title: 2019 Cost-effectiveness Study: Low-Rise

	<ol style="list-style-type: none"> 1. Buildings with planning entitlements 2. If the building is not able to show compliance using a commercially available technology via the alternative calculation method. 3. Commercial kitchen cooking appliances. 4. OSHPD 1 and OSHPD 3 5. 100% affordable housing 6. Accessory Dwelling Units 7. Non-residential buildings containing F, H, and L occupancies. 8. Buildings containing a Scientific Laboratory Area. 		Residential New Construction
Multi-family Buildings		<p>15 percent of the roof area</p> <p>Exceptions for buildings with limited solar access or vegetative roofs.</p>	<p>Refer to Reference Study 1: Title: 2019 Cost-effectiveness Study: Low-Rise Residential New Construction</p> <p>And</p> <p>Refer to Reference Study 3: 2019 Mid-Rise New Construction Reach Code Cost Effectiveness Study</p>
Commercial Buildings			<p>Refer to Reference Study 2: 2019 Nonresidential New Construction Reach Code Cost Effectiveness Study</p>