DOCKETED

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Document Title:	City of Albany Overview of CE Studies
Description:	Plain text of the Overview of Cost Effectiveness Studies
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Urban Village by the Bay

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OVERVIEW OF 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: City of Palo Alto 2019 Title 24 Energy Reach Code Cost Effectiveness Analysis
    Prepared For: Michelle Poche Flaherty, Development Services, City of Palo Alto
    Prepared By: TRC
    Last Modified: September 13, 2018

Proposed Requirements

Building Type	Proposed requirement	Reference Study
Residential		
Single-Family All Electric Buildings, New Construction	The Efficiency Energy Design Rating of the Proposed Design Building shall be at least 4.7 EDR points less than the Efficiency EDR calculated for the Standard Design Building.	Refer to Reference Study 1: 2019 Cost-effectiveness Study: Low-Rise Residential New Construction

Single-Family Mixed-Fuel Buildings, New Construction		Proposed design building shall be at least 10 EDR points less than the Total Energy Design Rating calculated for the standard design building.	Refer to Reference Study 1: 2019 Cost-effectiveness Study: Low-Rise Residential New Construction
Low Rise Multi-Family Mixed-Fuel Buildings, New Construction		Proposed design building shall be at least 10.3 EDR points less than the Total Energy Design Rating calculated for the standard design building.	Refer to Reference Study 1: 2019 Cost-effectiveness Study: Low-Rise Residential New Construction
Non-Residential			
All-electric Office Occupancy Buildings, New Construction		Demonstrate that the energy use of the proposed building is 10% more efficient than the 2019 State Energy Code	Refer to Reference Study 2: 2019 Nonresidential New Construction Reach Code Cost Effectiveness Study
Mixed-fuel Office Occupancy Buildings, New Construction		Demonstrate that the energy use of the proposed building is 20% more efficient than the 2019 State Energy Code	Refer to Reference Study 2: 2019 Nonresidential New Construction Reach Code Cost Effectiveness Study
All-electric Mercantile Occupancy Buildings, New Construction		Demonstrate that the energy use of the proposed building is 16% more efficient than the 2019 State Energy Code	Refer to Reference Study 2: 2019 Nonresidential New Construction Reach Code Cost Effectiveness Study

Mixed-fuel Mercantile Occupancy Buildings, New Construction	Demonstrate that the energy use of the proposed building is 16% more efficient than the 2019 State Energy Code	Refer to Reference Study 2: 2019 Nonresidential New Construction Reach Code Cost Effectiveness Study
All Non-residential Buildings, New Construction, Alterations, and Additions	Reduce outdoor lighting power to no more than 90 percent of the Allowed Outdoor Lighting Power in accordance with 2019 California Green Building Standards Code, Title 24, Part 11, Section A5.203.1.1.1	Refer to Reference Study 3: City of Palo Alto 2019 Title 24 Energy Reach Code Cost Effectiveness Analysis