

## Reach Code Overview



#### California Energy Codes and Standards

#### What is a Reach Code?

- Local amendments that exceed the minimum state code "Title 24"
- Two types of Reach Codes: Prescriptive and Performance

## Why Adopt a Reach Code?

- To meet a Climate Action Plan, Energy Plan, or other policy goals
- Energy and Money savings

## What is the Process for Adopting a Reach Code?

- Stakeholders Engagement, Cost-effectiveness, City Council Review, CEC Approval and filing with BSC

## Why is BEM Important in a Reach Code?

- Informs quantitative trade-offs between up-front construction costs and operational energy costs

## Example of Reach Code Project

2025 Nonresidential Alterations (AC to HP)

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### Example of Reach Code Project:

## 2025 Nonresidential Alterations (AC to HP)

## Scope

Cost-effectiveness for Small Office & Medium Retail with Single Zone Air Conditioners (SZAC)

## Purpose

- Identify where single-zone heat pump (SZHP) replacements are cost-effective
- Evaluate cost-effective measure packages during HVAC replacements/alterations

## Methodology

- Evaluate efficiency measures and packages
- Use CBECC 2025 Software for BEM
- Collect cost data for cost-effectiveness analysis
- Create Reach Code pathway recommendation



## **BEM Software Supports REACH Code Development**

- Cost-effectiveness analysis on prototype models for the development of energy codes and standards
  - CBECC Output: Hourly Results 8760
    - On-Bill Cost-Effectiveness Approach
  - CBECC Output: Annual Results
    - Long-term Systemwide Cost (LSC) Cost-effectiveness Approach

#### Key Takeaway:

BEM enables Reach Codes to be data-driven, cost-effective, and performance-optimized—turning modeling insights into actionable local energy policy.



# Thanks!

**Q&A Session** 



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