



CAEECC Aug 9 mtg

Existing Buildings Energy Efficiency Action Plan 2016 UPDATE

Martha Brook, P.E.

Energy Efficiency Division
California Energy Commission



EBEE Action Plan – 2016 UPDATE

➤ **Background**

- CEC adopted the Existing Buildings Energy Efficiency (EBEE) Action Plan on September 9, 2015
- This plan articulates a vision to dramatically increase energy savings from efficiency and conservation in California’s existing buildings

➤ **Plan updates required by SB 350**

- On or before January 1, 2017... the CEC shall adopt an update to the program (the Action Plan)
- to further the goal of achieving a cumulative doubling of statewide energy efficiency savings in electricity and natural gas final end uses of retail customers by January 1, 2030
- then again (CEC adopts Action Plan updates) at least once every three years thereafter



EBEE Action Plan – 2016 UPDATE

➤ **Background**

- CEC adopted the Existing Buildings Energy Efficiency (EBEE) Action Plan on September 9, 2015
- This plan articulates a vision to dramatically increase energy savings from efficiency and conservation in California’s existing buildings

➤ **Plan updates required by SB 350**

- On or before January 1, 2017... the CEC shall adopt an update to the program (the Action Plan)
- to further the goal of achieving a cumulative doubling of statewide energy efficiency savings in electricity and natural gas final end uses of retail customers by January 1, 2030
- then again (CEC adopts Action Plan updates) at least once every three years thereafter



EBEE Action Plan – 2016 UPDATE

➤ Schedule

- CEC staff draft: August 31, 2016
- Public Workshop: October 3, 2016
- Draft final: November 30, 2016
- CEC Adoption: December 14, 2016



EBEE AP

VISION

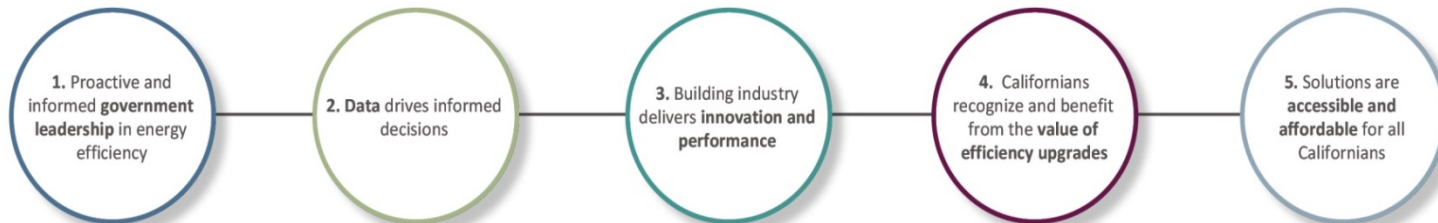
Robust, sustainable efficiency marketplaces that deliver multiple benefits to building owners and occupants through improvements, investments and operation of existing homes, businesses, and public buildings.

Resulting In: Doubling of energy savings from building energy efficiency projects in California. This is equivalent to a 17% reduction of statewide building energy use from 2014 levels by 2030.

GUIDING PRINCIPLES



10-YEAR GOALS



PRIMARY STRATEGIES

- 1.1 State and School Buildings
- 1.2 Benchmarking and Disclosure
- 1.3 Building Performance Assessment Tools
- 1.4 Energy Asset Ratings
- 1.5 Building Energy Efficiency Standards
- 1.6 Plug Load Efficiency
- 1.7 Local Government Leadership
- 1.8 Efficiency as a Clean Energy Resource
- 1.9 Existing Building Efficiency Collaborative

- 2.1 Data for Improved Decisions
- 2.2 Customer Focused Energy Efficiency

- 3.1 Streamlined and Profitable Industry
- 3.2 Performance Driven Value
- 3.3 High Performance Workforce and Education
- 3.4 Zero Net Energy Retrofits

- 4.1 Real Estate Value
- 4.2 Marketing, Education and Outreach

- 5.1 Foster Private Capital Market
- 5.2 Asset Based Financing
- 5.3 Borrower-Based Financing
- 5.4 Integrated Delivery of Efficiency Solutions, Finance & Utility Incentives
- 5.5 Government Building Finance Mechanisms
- 5.6 Leveled Tax Playing Field
- 5.7 Deeper Subsidies for Low Income Households



CALIFORNIA ENERGY COMMISSION

