

DOCKETED

Docket Number:	16-EBP-01
Project Title:	2016 Existing Buildings Energy Efficiency Action Plan
TN #:	214008
Document Title:	2016 Action Plan Update
Description:	Presentation for Action Plan update workshop
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CALIFORNIA ENERGY COMMISSION

2016 Action Plan Update

October 17, 2016

California Energy Commission



Housekeeping

- Emergency Exits
- Restrooms
- Snack Bar
- WebEx and Telephone Protocol



Agenda

Action Plan Overview and Policy Updates	9:30 AM
Goal 1 - Government Leadership Changes	10:00 AM
Public Comment	10:30 AM
Goal 2 - Data-Driven Decision Making Changes	10:45 AM
Public Comment	11:00 AM
Goal 3 - Efficiency Industry Changes	11:15 AM
Public Comment	11:30 AM
Goal 4 - Consumer Value Changes	11:45 AM
Public Comment	12:00 PM
Goal 5 - Efficiency Financing Changes	12:15 PM
Public Comment	12:30 PM
Wrap Up	12:45 PM



Comment Deadline

- New comment deadline in revised workshop notice:

5 p.m. on Tuesday, November 1, 2016.



What is the Action Plan?

- Assembly Bill 758 (Skinner, Chapter 470, Statutes 2009) requires the Energy Commission, in collaboration with the California Public Utilities Commission and stakeholders, to develop a comprehensive program to achieve greater energy efficiency in the state's existing buildings.
- The California Energy Commission adopted the *Existing Buildings Energy Efficiency Action Plan* (EBEE Action Plan) in September 2015. The plan provides a 10-year roadmap to activate market forces and transform California's existing residential, commercial, and public building stock into high-performing and energy-efficient buildings.



What has Changed?

- The 2016 EBEE Action Plan Update summarizes actions taken over the last year to implement the *Existing Buildings Energy Efficiency Action Plan* (EBEE Action Plan).
- The 2016 EBEE Action Plan Update also summarizes forward-looking changes to energy efficiency strategies in line with new statutory mandates.
- This document does not replace the EBEE Action Plan, which continues to be the principal reference document for the state's existing building energy efficiency policies, objectives and ongoing initiatives.



Policy Updates

- SB 350 – Requires that by or before January 1, 2017, the Energy Commission adopt an update to the program to achieve a cumulative doubling of statewide energy efficiency savings.
- AB 802 - Establishes a new building energy use benchmarking and public disclosure program for nonresidential and multifamily buildings. It also mandates that “existing conditions baselines” be used where appropriate to determine levels of ratepayer-funded assistance to utility customers.



Policy Updates

- AB 793 - Directs the CPUC to require the IOUs to provide incentives to residential and small to medium business customers for energy management technologies.
- CPUC Amended Decision R.13-11-005 - High opportunity programs or projects, pursuant to AB 802; remaining “Rolling Portfolio Cycle” implementation issues; and interpretation and implementation of AB 802 generally and support for implementation of SB 350.



Action Plan Implementation Timeline





Goal 1 Government Leadership

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- State building leadership to implement the Governor's energy policy directions
- Division of State Architects' demonstrations of opportunities to achieve zero net energy (ZNE) in school buildings
- Test beds for AMI data analytics & streamlined audit tools
- Increasing compliance with Building Efficiency Standards
- Advances in Appliance Standards & online appliance marketplaces



Goal 1 Government Leadership (cont.)

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- Local government leadership examples
- Local Government Challenge Program
- Energy efficiency procurement
- State policy leadership:
 - Climate change planning
 - Doubling energy efficiency savings
 - CA EE Coordinating Committee
 - CA Technical Forum
 - EE Collaborative



Goal 1 Government Leadership

2018

- Benchmarking and disclosure program
- Standards for smart meter analytics
- HERS Assessment Protocols

2019

- Improve compliance with energy efficiency standards
- Establish data collection and forecasting methods

2025

- Local governments demonstrated leaders in energy efficiency and code enforcement

2017

- Achieve whole-building data access for building owners
- Local Government Challenge grant program
- Establish complementary roles for utility procurement and efficiency programs
- Set targets to double energy efficiency in California

2020

- New and enhanced appliance standards



Goal 2 Data-Driven Decision Making

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- Actions taken by utilities to provide customers energy usage data and efficiency-related audits and diagnostics
- Kick off work to develop building-specific identifiers for energy use disclosure and other policy-tracking programs
- Kick off work for data collection, organization, and analysis to support energy policy tracking and reporting



Goal 2 Data-Driven Decision Making

2018

- Benchmarking Infrastructure
- Existing building baselines at geographic, building type, and vintage levels

2019

- Public-facing energy efficiency savings information is readily available

2020

- Utility rate information available in a standard format

2025

- Behavior programs have expanded scope and market reach



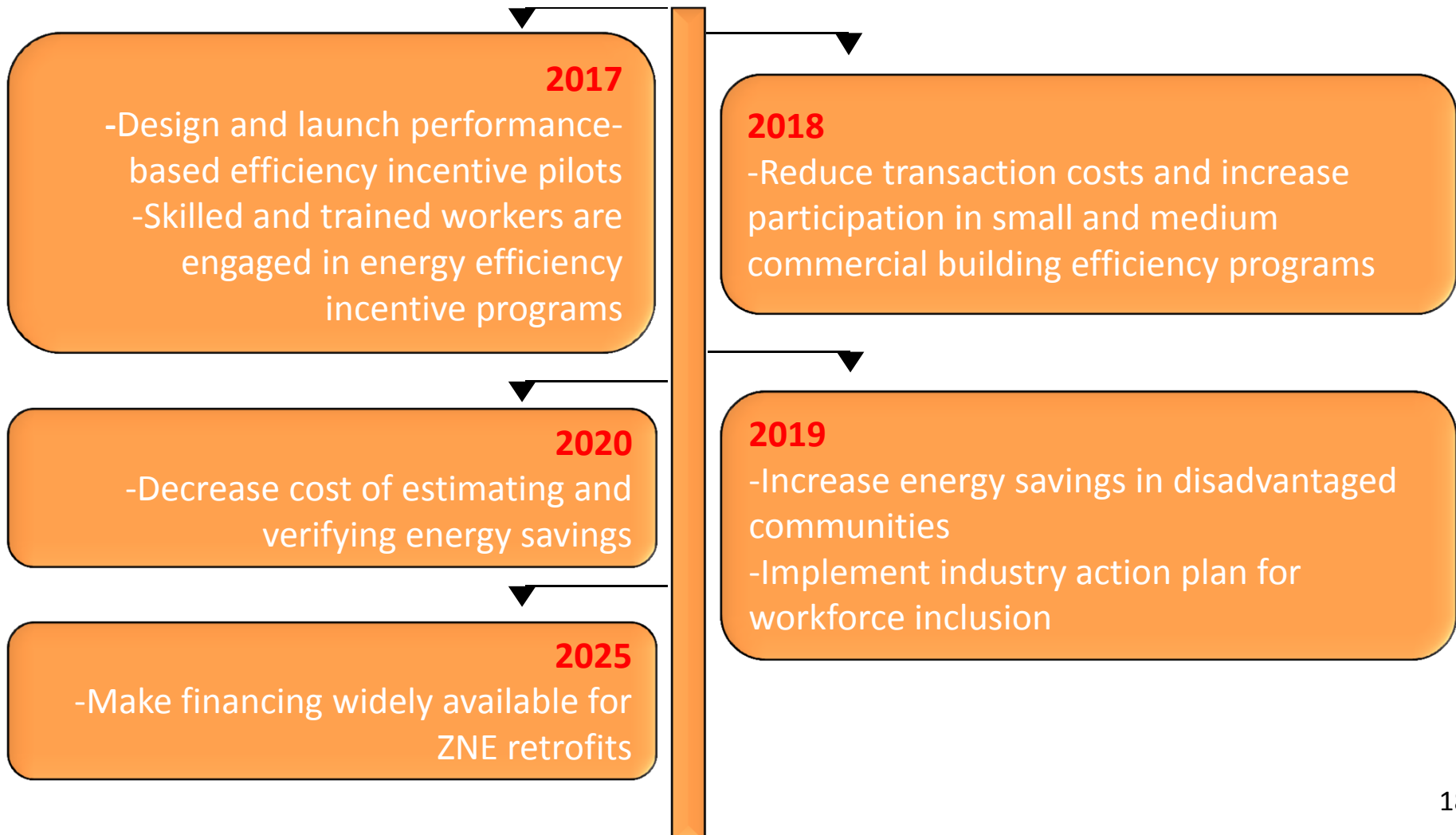
Goal 3 Efficiency Industry

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- CPUC decisions to expand the reach of efficiency programs into existing buildings, reduce administrative costs, and spur program innovations
- Efforts to streamline program delivery and expand customer participation
- Normalized metered data to verify realized energy savings
- Workforce alignment



Goal 3 Efficiency Industry





Efficiency Industry Discussion





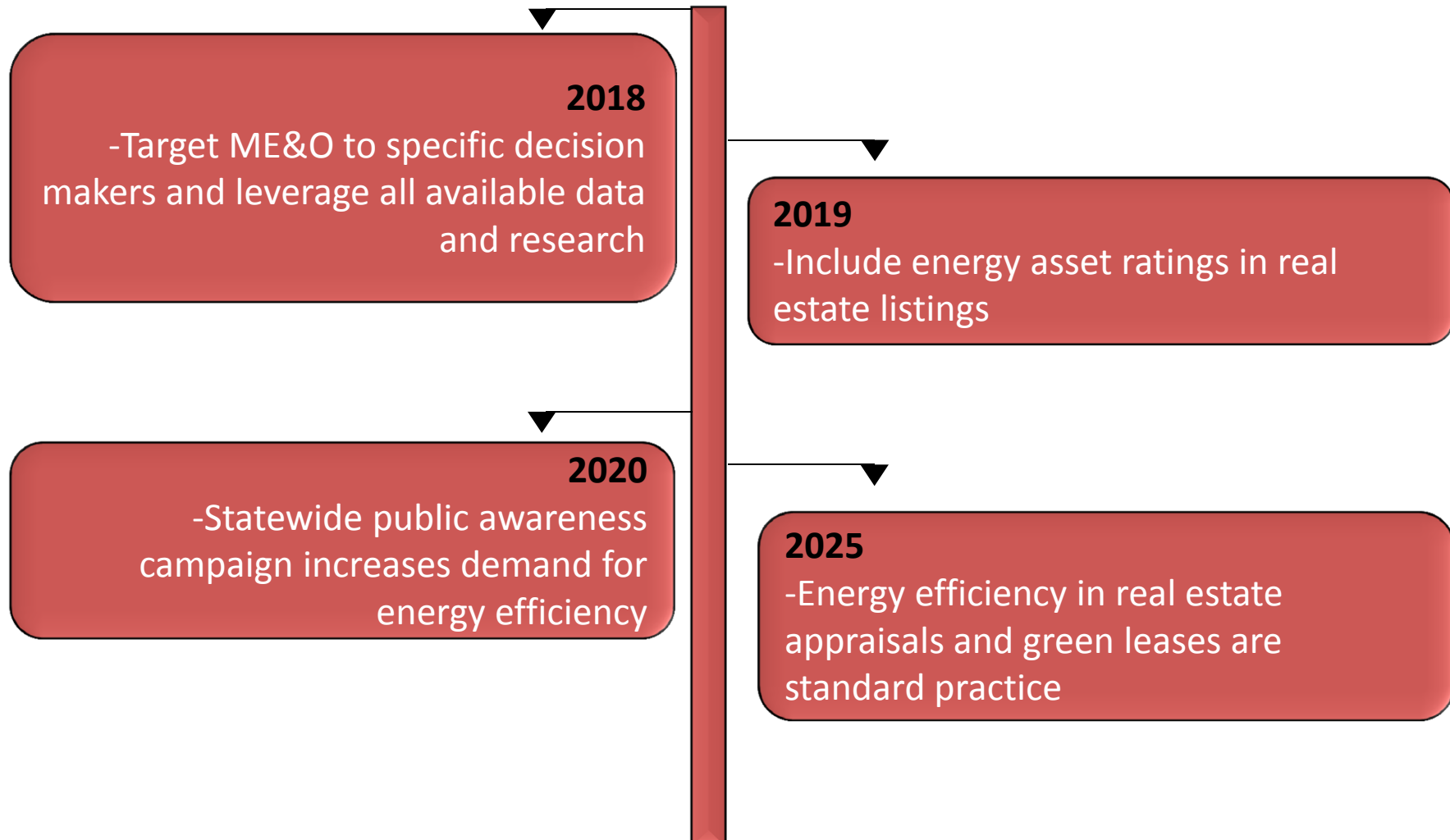
Goal 4 Consumer Value

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- Clean energy-related data in real estate property listings
- Energy Upgrade California
- Statewide public awareness campaign



Goal 4 Consumer Value





Consumer Value Discussion





Goal 5 Efficiency Financing

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- Progress on the California Hub for Energy Efficiency Financing (CHEEF)
- Property Assessed Clean Energy (PACE) financing, and the California Lending for Energy and Environmental Needs (CLEEN) Center
- Plans for an alternative on-bill utility financing program
- Summary of low-income financing programs



Goal 5 Efficiency Financing

2017

-Establish financing priorities and ensure finance products match market trigger points

2019

-Establish efficiency financing through alternative models, such as preferred resource procurements

2020

-Robust efficiency financing infrastructure attracts large private capital



Efficiency Financing Discussion





Written Comment Guidelines

- Provide section and sub-section references.
- Be specific about what is unclear, or what clarification you would like to see.
- Provide an explanation for why you feel specific changes are necessary, referencing sections of the plan update.



Open Comment Period

Submit written comments to Docket No. 16-EBP-01
by 5 p.m. on Tuesday, November 1, 2016.

Go to www.energy.ca.gov/ab758 and click
"Submit e-Comment on 16-EBP-01"

For Questions:

Contact

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