

DOCKETED

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Project Title:	Improving Energy Compliance of Central Air-Conditioning and Heat Pump Systems
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Promotion of Regulatory Compliance in the Installation of Central Air Conditioning and Heat Pump Systems



June 29, 2018
California Energy Commission



Workshop Agenda

- 9:00 Welcome, housekeeping
- 9:10 Staff presentation:
Background to SB 1414
- 9:30 Roundtable discussion of
barriers and potential solutions
- 11:45 Wrap-up and Next Steps
- Noon Adjourn



Background

- Assembly Bill 2021 (Levine, Chapter 734, Statutes of 2006)
- Assembly Bill 758 (Skinner, Chapter 470, Statutes 2009)
- Senate Bill 350 (De Leon, Chapter 547, Statutes of 2015)

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Senate Bill 1414 (Wolk, Chapter 768, Statutes of 2016)

- Requires Energy Commission to consult with:
 - Contractors State License Board (CSLB)
 - Local building officials
 - Other industry stakeholders
- Evaluate methods and collect data to determine:
 - Feasibility
 - Cost effectiveness
- Evaluate impacts on:
 - Property owners
 - HVAC industry
 - Local government
 - Building departments

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Senate Bill 1414 (continued)

- Requires Energy Commission to:
 - Seek public input
 - Draft and approve Plan by January 2019
- Authority to adopt regulations consistent with the Plan.

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Workshop Scope

- Why focus on central air conditioning and heat pump (AC/HP) alterations?
 - Central space cooling systems:
 - Drive peak electricity demand
 - Prone to installation defects
(airflow, duct systems, refrigerant charge)
 - Require third party verification of compliance
 - Compliance rate reported as low as 10%

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Barriers Identified

- Cost of compliance is higher than noncompliance, creating an uneven playing field
- Low value proposition for compliance
 - No mechanism to identify unpermitted activity
 - No perceived consequences for failure to comply
- Enforcement agencies are resource constrained
- No incentive for residential and small commercial mechanical contractors to obtain industry training, and certification
- Compliance process is perceived as complex and expensive
- Property owners may lack awareness to make an informed decision, especially during an emergency change-out

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Potential Solutions

- Increase value propositions for compliance
 - Property owners and contractors
 - Progressive penalties for failure to comply
 - Industry training and certification
- Raise consumer awareness
 - Mandatory disclosure of compliance process to the property owner
- Simplify compliance process
 - Standardized statewide permitting process
 - HERS raters hired by building departments
 - Simplify the Energy Standards
- Mechanism to identify unpermitted work
 - Digital tracking of AC/HP equipment

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Workshop Roundtable Process

- Provide your name, affiliation before speaking
- Speak into a microphone
- Keep comments within the workshop scope
- To ensure everyone has adequate opportunity to speak, we may enforce a three minute limit
- Submit written comments regarding this workshop to www.energy.ca.gov/dockets **Docket 17-EBP-01** by July 13, 2018

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Stakeholder Input – Next Steps

- Subscribe to Energy Commission List-Serve
 - Efficiency
 - Building Standards
- Visit Energy Commission's SB 1414 webpage <http://www.energy.ca.gov/title24/enforcement/>
- Attend Commissioner Workshop August 3, in Irwindale CA - in person or via Webex

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Stakeholders are Invited to:

- Prepare analysis of potential solutions, including:
 - Identify potential solutions
 - Discuss implementation, its feasibility, and cost effectiveness to government, industry, and homeowners
 - Identify key stakeholders and potential partners
 - Discuss impact to property owners and HVAC industry, including:
 - Manufacturers, distributors, contractors
 - Local governments, building officials, CSLB
 - Low income and disadvantaged communities
 - Evaluate technological and economic impact information
- Submit to Docket 17-EBP-01 by July 20 for it to be considered for the August workshop.

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Compliance Plan Schedule

June 29	Staff Workshop, Sacramento
July 13	Comments due to docket by 5pm
July 20	Stakeholder analyses due to docket
August 3	Commissioner Workshop, Irwindale
August 20	Comments due to docket by 5pm
October	Public comment period on draft Plan
November	Compliance Plan finalized
December	Compliance Plan approved at Energy Commission business meeting

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Thank You for Participating!

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