

**DOCKETED**

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|-------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Docket Number:</b>   | 17-EBP-01                                                                                                |
| <b>Project Title:</b>   | Improving Energy Compliance of Central Air-Conditioning and Heat Pump Systems                            |
| <b>TN #:</b>            | 224118                                                                                                   |
| <b>Document Title:</b>  | Rescheduled Workshop Presentation 7-20-18                                                                |
| <b>Description:</b>     | Promotion of Regulatory Compliance in the Installation of Central Air Conditioning and Heat Pump Systems |
| <b>Filer:</b>           | Joe Loyer                                                                                                |
| <b>Organization:</b>    | California Energy Commission                                                                             |
| <b>Submitter Role:</b>  | Commission Staff                                                                                         |
| <b>Submission Date:</b> | 7/11/2018 8:57:39 AM                                                                                     |
| <b>Docketed Date:</b>   | 7/11/2018                                                                                                |

# Promotion of Regulatory Compliance in the Installation of Central Air Conditioning and Heat Pump Systems



July 20, 2018  
California Energy Commission



## Workshop Agenda

- 9:00 Welcome, housekeeping
- 9:10 Rescheduled workshop
- 9:15 Staff presentation:  
Background to SB 1414
- 9:30 Roundtable discussion of  
barriers and potential solutions
- 11:45 Wrap-up and Next Steps
- Noon Adjourn



## Rescheduled Workshop

- Original workshop hosted on June 29, 2018
- Wrong WebEx was launched preventing public participation.
- WebEx record of the June 29<sup>th</sup> workshop has been made available as of July 3, 2018.
- Written transcription of the June 29<sup>th</sup> workshop has been available as of July 13, 2018.

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## 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 678, 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](http://www.energy.ca.gov/dockets) **Docket 17-EBP-01** by July 31, 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 31 for it to be considered for the August workshop.

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## Compliance Plan Schedule

| Date      | Activity                                                       |
|-----------|----------------------------------------------------------------|
| June 29   | Staff Workshop, Sacramento                                     |
| July 20   | Rescheduled Staff Workshop, Sacramento                         |
| July 31   | Comments and stakeholder analyses due to docket by 5pm         |
| 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!

Energy Commission Contact:  
 Judy Roberson  
[Judy.Roberson@energy.ca.gov](mailto:Judy.Roberson@energy.ca.gov)  
 (916) 654-5182



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