

DOCKETED

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California
Energy
Alliance

Actions to Improve the Quality of Installation of HVAC Equipment

Integrated Energy Policy Report (IEPR) Workshop

California Energy Commission

September 10, 2021

Josh Dean, Executive Director



California Energy Alliance

...envisions a healthy and equitable built environment that is powered by carbon-free, reliable energy sources.

...works to bring beneficial, equitable change to energy standards, policies and programs by developing consensus among diverse and engaged stakeholders.

Initiatives:

Codes & Standards Evolution | Code Compliance Improvement | Cost-Effectiveness Metrics | Outcome-Based Code | Healthy Buildings | Decarbonization | Education & Outreach



Increased
Consumer
Awareness

Stronger
Enforcement

Workforce
Education

Out of state
equipment
sales/Unlicensed
Contractors

Specifiers Designers

Manufacturers Energy Consultants

Industry Organizations Consumers

NGOs Distributors Contractors Engineering

Labor Unions Academia Government

Research Institutions Training Partners

Reduce
Permitting
Barriers/Costs

Equipment
Registration

“A Plan for Increasing HVAC Compliance in CA”



Prasino Energy LLC



AcuityBrands.

Visibility Innovations



Gregg D. Ander LLC



Dynalectric An EMCOR Company



UC DAVIS California Lighting Technology Center Department of Design



Signify the meaning of light



WattStopper

Clifton Lemon Associates



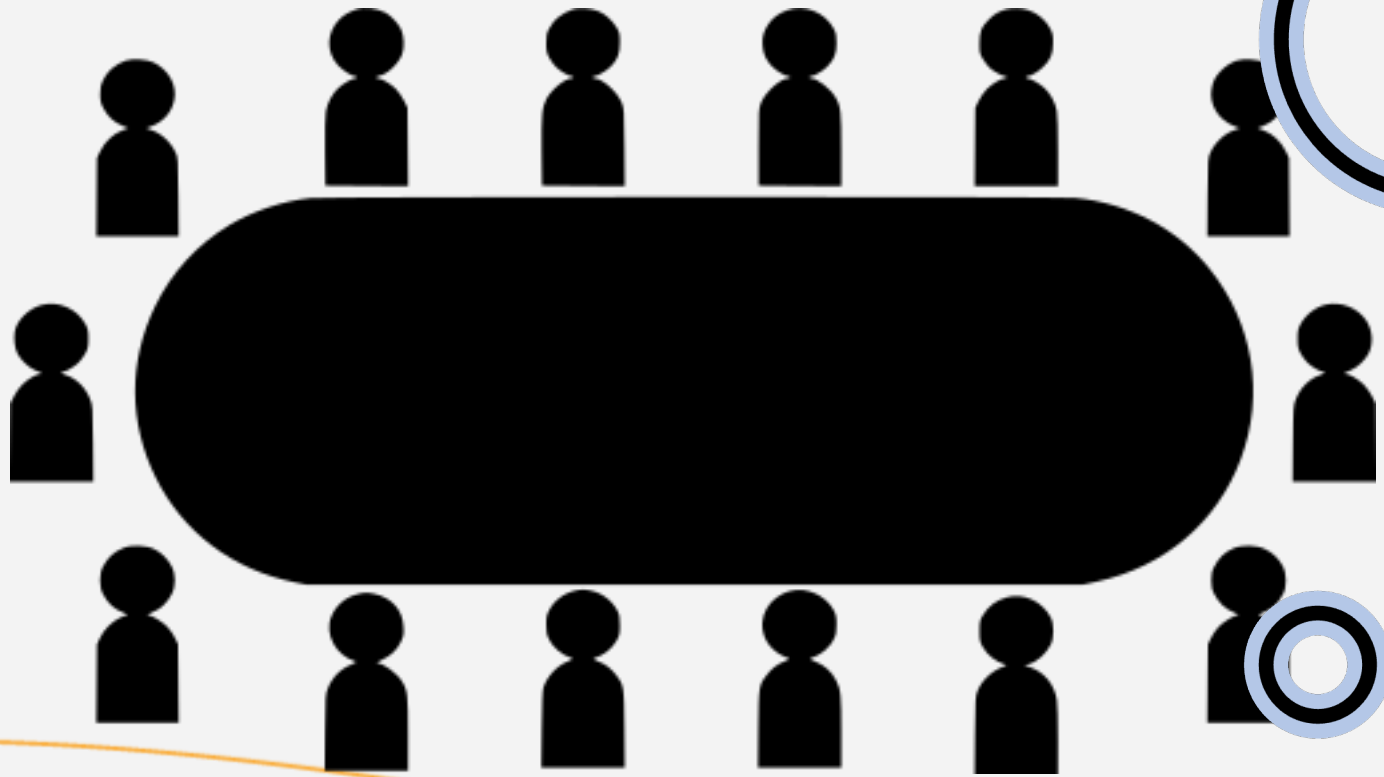
Phill Hall Images and Light



GE current a Daintree company

nbi new buildings institute

CEA Stakeholder Agreement



- Online permitting process
- Compliance reconciliation system
- Distributors sell to “licensed contractors”
- Reconcile # of units purchased w/ HERS testing docs, building permits pulled & closed by contractor
- Consumer & contractor education



Next Steps & Recommendations

- Re-evaluate a faster, uniform online permitting process
- Distributors to sell to “licensed contractors”
- Reconvene additional stakeholders (distributors, HERS Providers/Raters, code officials, contractors)
- Workforce Education & Training
- Perform further analysis and/or pilot project to determine:
 - Cost of a compliance reconciliation program
 - Impact on building departments & HERS program should permit requests increase
 - Increased efficiency of installed HVAC equipment





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Thank You

Josh Dean

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