

State & Local Energy Climate Coordination (SLECC)

Meeting #7 | September 12, 2024
Virtual

*Coordination meetings between State and local
leaders across California*

Co-facilitated by



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Welcome to SLECC!



Purpose

SLECC will serve as a **statewide communication and ideation hub to help State and local leaders improve coordinated efforts** to more rapidly unlock the unique potential of California regions and communities to address energy and climate goals.

SLECC will **identify priority needs and co-create operational solutions to advance place-based energy and climate action.**

TODAY'S AGENDA

- **Welcome & Purpose/Progress of SLECC**
- **Roundtable Updates**
- **Discussion Topic: *Planning for the Next Phase of SLECC***
 - Review of Draft SLECC 2024-2025 Plan
 - Angie Hacker & Sean Kennedy
 - *Group Discussion: State and Local Coordination and Engagement Needs*
 - *Breakouts: Regional Convening Brainstorm*
- **Operationalizing Strategic Objectives, Next Steps and Closing**



Purpose/Progress of SLECC

We set out to: Build deeper understanding and stronger collaborative relationships between State and local agencies to identify barriers and streamline/improve delivery of energy and climate information, resources, and services.

Key Priorities

Improve and streamline communications and messaging between State and local agencies

Advance access to flexible recurring funding/assistance for local energy and climate initiatives

Develop capacity & GHG source data for local climate action

Expand State agency leadership to address local policy needs (e.g. overcoming load constraints, reliability, and interconnection issues; meaningfully addressing energy affordability, bill relief, and preserving EE)

Achieve coordinated, customer-friendly residential energy/electrification programs, including capital/incentive stacking

ROUNDTABLE UPDATES

*What does **your** organization want State and local governments to know more about?*

- *Progress on priorities*
- *Assistance, learning, or engagement opportunities*
- *Recent successes/lessons*
- *Information needs*
- *Invitations to partner*



Zero-Emission Space and Water Heater Standards

Update to SLECC
September 12, 2025

Zero-Emission Space and Water Heater Standards

- **Motivation:** Space and water heating constitutes 80% of greenhouse gas emissions from buildings.
- **Regulatory Concept:** Zero-GHG-emission new sales requirement. Would not limit use or repair of existing space and water heaters.
- **Timeline:** Proposal to Board in 2025, compliance starting 2027 at earliest.
- **Guiding Values:**
 - Support climate change mitigation and resilience and public health.
 - Evaluate economic and other impacts as they relate to historic and ongoing disparities in clean air, affordable healthy homes and workplaces, and reliable energy.
 - Encourage manufacturers and the broader workforce to create affordable, reliable, and convenient solutions that support widespread zero-emission space and water heater adoption.
 - Coordinate with public agency partners to ensure clarity, alignment, and long-term feasibility for any proposed standards.
 - Create an accessible, transparent, and inclusive process.

Process and Timeline



Staff Analysis Support

- Focused meetings to review staff methodology
- Briefings from public experts on key topics

Listening Sessions

- In-person and virtual events co-hosted with local partners.

Implementation Planning

- As the proposal comes into focus, identify and plan for potential implementation needs.

[More information at: Public Engagement for the Development of Zero-Emission Space and Water Heater Standards | California Air Resources Board](#)

Proposed zero-GHG standard and Air Districts' zero-NOx rules

| Equipment Type | Capacity/Size Limits | Typical Applications (Varies based on climate zone and building configuration) | Zero-emission compliance year | | |
|---|----------------------|---|-------------------------------|--------------------------------|---|
| | | | CARB Statewide | BAAQMD (Adopted March 2023) | SCAQMD (Adopted June 2024) (* = Board to consider in Q4 2024) |
| Boilers and water heaters | < 75,000 Btu/hr | Storage water heaters (typically between 20-100 gallons) in most small buildings | 2027 | 2027 | *2028 (2030 for mobile home) |
| | ≤ 400,000 Btu/hr | High-capacity storage water heaters and high-efficiency condensing gas tank water heaters (<120 gallons). Small packaged boilers. | 2029 | 2031 | 2029 |
| | ≤ 2MM Btu/hr | Large water heaters and small packaged boilers used in larger buildings | 2031 | 2031 | 2031 |
| | ≤ 200,000 Btu/hr | Tankless (on-demand) water heaters in residential and small commercial buildings | 2029 | 2031 | 2029 |
| Instantaneous water heaters | ≤ 2MM Btu/hr | Tankless (on-demand) water heaters in larger buildings | 2031 | 2031 | 2031 |
| High temperature (>180°F) boilers and water heaters | ≤ 2MM Btu/hr | Sanitation applications or steam boilers for dry cleaning | 2033 7 | 2031 | 2033 |
| Furnaces | < 175,000 Btu/hr | Most pool, spa, and hot tub heaters | 2029 | 2029 | *2028 (2030 for mobile home) |
| | ≤ 2MM Btu/hr | Residential and small commercial buildings under 3,000 square feet | 2029 | 2029 | *2028 |
| Pool heaters | ≤ 2MM Btu/hr | Large residential and commercial buildings over 3,000 square feet | 2031 | N/A | 2031 |

Upcoming Listening Sessions (September - October 2024)

◆ Co-Hosted, In Person

- 9/18 Tulare County (with Allensworth Progressive Association)
- 10/1 Concord (with Construction Trades Workforce Initiative)
- 9/24 San Francisco (with SPUR)
- 10/23 San Mateo County (with Climate Resilient Communities)
- 9/26 Nevada County (with Sierra Energy Reimagined)
- 10/9 National City (with Climate Action Campaign)

● CARB-Hosted, Virtual

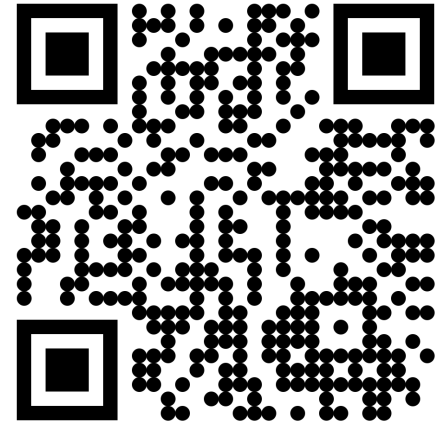
- 10/22 Southern California
- 10/28 Central California
- 10/29 Northern California

[Visit our website for registration details](#)



Thank you. Keep in touch!

- Use this QR code to sign up for our email list for workshop announcements and updates when key regulatory documents are published.
- Reach out to Buildingdecarb@arb.ca.gov with questions/comments.
- What questions do you have now? What would you would like to cover in a future in-depth discussion?



9

https://public.govdelivery.com/accounts/CARB/subscriber/new?topic_id=bldg



Discussion: Planning for the Next Phase of SLECC

Review of Draft SLECC 2024-2025 Plan

To build off successes in year one, we aim to:

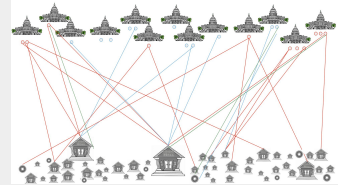
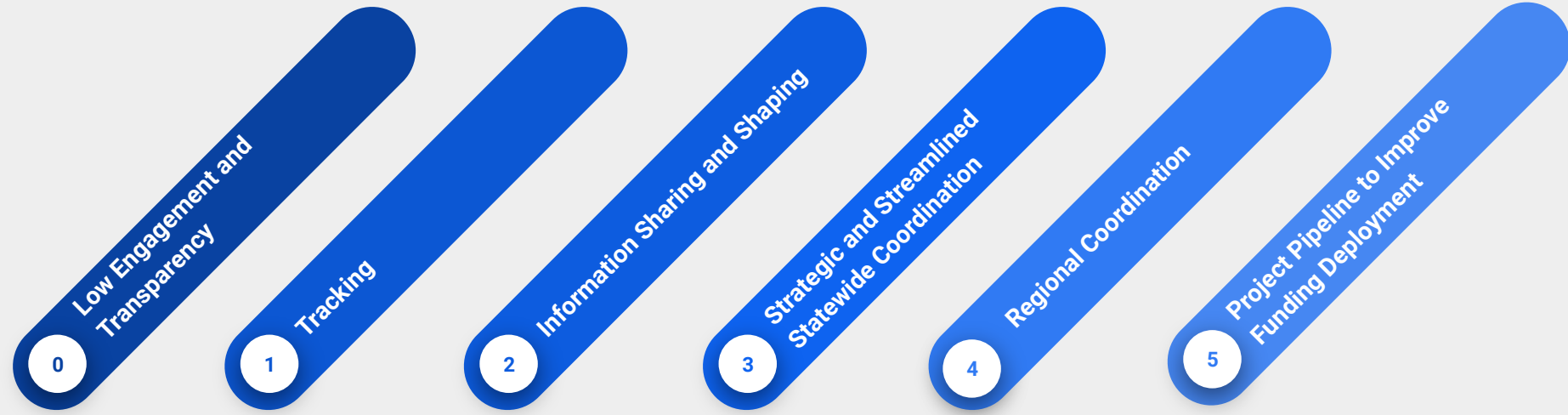
- Grow SLECC Partners
- Ensure responsive engagement to State and local priorities
- Continue statewide State/local coordination discussions
- Support regional State/local coordination

OTHER OPPORTUNITIES FOR IMPROVEMENT?

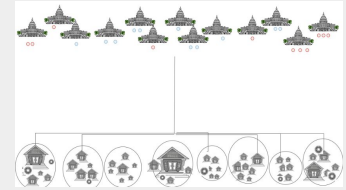


Discussion: Planning for the Next Phase of SLECC

CCEC's Phased Approach to Better State & Local Coordination



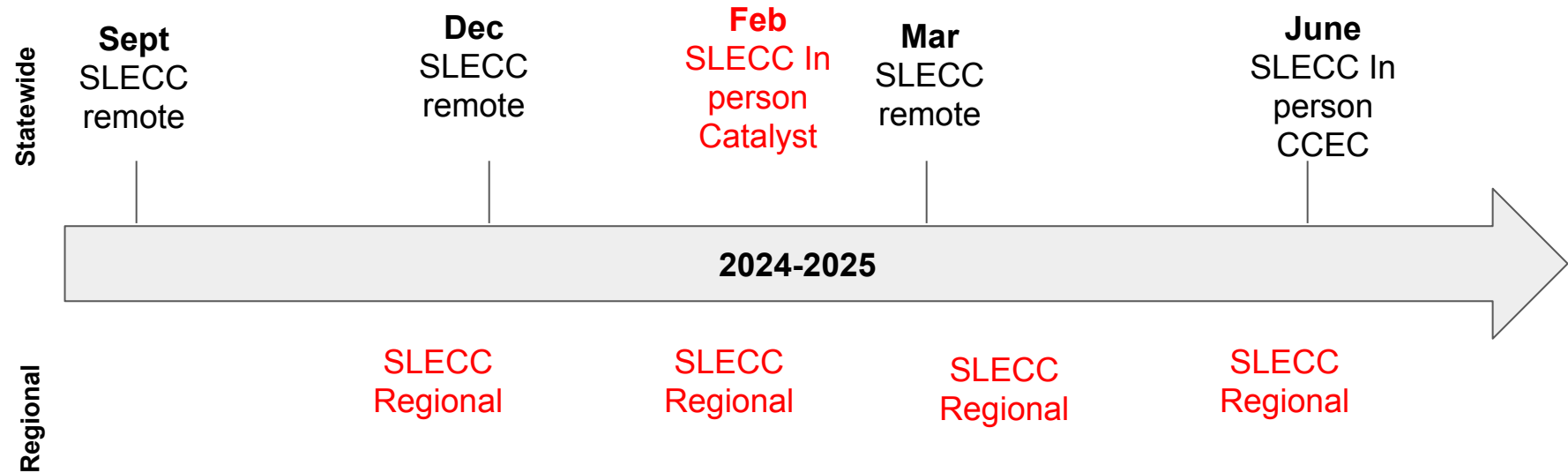
SLECC





Discussion: Planning for the Next Phase of SLECC

State and Local Coordination & Engagement Needs (2024-2025)



Join us on our home made Jamboard:

https://docs.google.com/presentation/d/17OZo7uS_EQYyDRelg3USp5nMh5mJ-yHChPnBkuyfnBw/edit#slide=id.g2ff7ace3ac6_0_47



Discussion: Planning for the Next Phase of SLECC

Breakouts: Regional Convening Brainstorm

Draft Plan's objectives and draft agenda

Breakouts - Join Your Region's Room

20 minutes then report out

- Inland Empire & LA/SoCal - **Angie**
- Central Coast & Central Valley - **John**
- Bay Area & North - **Sean**
- San Diego - **Kelsey**

Discussion

- How can we improve on this concept to ensure your participation?
- What agenda topics are of most interest?
- What organization do you think should be invited in your region?
- What events are you aware of in your region that we should avoid or try to leverage?
- How can you help?
 - Promote
 - On site support
 - Facilities
 - Co-production/Sponsorship



Operationalizing Strategic Objectives

Where are additional policy pathways to operationalize the priorities raised by this group?

Send ideas to ahacker@civicwell.org

| Key Priorities |
|---|
| Improve and streamline communications and messaging between State and local agencies |
| Advance access to flexible recurring funding/assistance for local energy and climate initiatives |
| Develop capacity & GHG source data for local climate action |
| Expand State agency leadership to address local policy needs (e.g. overcoming load constraints, reliability, and interconnection issues; meaningfully addressing energy affordability, bill relief, and preserving EE) |
| Achieve coordinated, customer-friendly residential energy/electrification programs, including capital/incentive stacking |

Contact
ahacker@civicwell.org

What's Next?

- Provide feedback on 2024-2025 Plan by September 20th
- If you offered regional convening support, we will follow up with you
 - Stay tuned for more details as convenings are planned
- Next meeting date: **December 12, 2024**

*Thank you for sharing
your insights!*

