

Local Energy Resources Network



Meeting 33
September 10, 2024

*Featuring speakers from CalREN, State
Treasurer's Office, and TECH Clean
California*



Welcome!

Purpose

Interactive 1-hour meetings designed to be a regular space where local governments - and those who work with them - can help each other learn about (and possibly inform) available opportunities to advance their energy and climate goals.

TODAY'S AGENDA

- Opportunity Roundtable
- Guest Spotlight: CalREN Workforce Forum
- Guest Spotlight: State Treasurer's Office Webinar Series
- Featured Presentation: TECH Clean California
- Optional: Extended 15 minutes for Bonus Breakouts



Opportunity Roundtable

Need/Have Board

View all Opportunities

Policy Drives Investment



Agencies Scope/ Design Assistance Programs & Gather Input



Applicants Apply to Funding Solicitation

State

- FY 21-22 Budget (\$15B climate resilience)
- FY 22-23 Budget (\$38.8B climate change)
- Cap and Trade auction revenue allocations (>\$20B raised since 2013)
- FY 23-24 Budget
- FY 24-25 Budget - May revise
- State agency proceedings

Federal

- Infrastructure Investment and Jobs Act (IIJA) (2021) = \$47B in climate resilience funding
- FY 22-23 Budget (\$44.9B climate change)
- Inflation Reduction Act (IRA) (2022)
- Biden's Proposed FY 23-24 Budget (\$52.2B climate change)

Funding

- CEC: EPIC [Clean, Dispatchable Generation Grants](#) - due Sept 13
- DOE: [American-Made Solar Prize Round 8](#) - due Sept 26
- DOE: [Innovative Weatherization Assistance Program](#) - due Sept 27
- DOT: [Reconnecting Communities Pilot \(RCP\) Grants](#) - due September 30
- OPC: [SB 1 Sea-Level Rise Adaptation Planning Grant](#) - due Oct 4
- DOE: [EECBG Formula Grants and Voucher](#) - due October 31
- CTC: [Local Partnership Program](#) - due Nov 20, 2024
- EPA: [Environmental and Climate Justice Community Change Grants](#) - Nov 21, 2024. [EPN app guide](#)
- CEC: [Geothermal Grant and Loan Program](#) - due Jan 27, 2025
- DOE: [Good Jobs in Clean Energy Prize](#) - Webinar Oct 3; due January 31, 2025
- USDA: [Community Facilities Program Disaster Repair Grants](#) - Available Until Funds are Depleted
- DOE: [Energy Improvements in Rural or Remote Areas \(ERA\) Funding](#) - anticipated in early Fall 2024

Other Assistance

- ICLEI - [Success Stories on Navigating the Elective Pay Program to Fund Climate Projects](#) - Sept 17
- CalREN: [Annual Stakeholder Forum \(virtual\) - October 29](#)
- DOE: [Federal Energy Funding for Rural and remote Area: A Guide for Communities](#)
- USDA: [Rural Energy for America Program \(REAP\)](#) - Sept 30 (customer/constituent opportunity)

Input Opportunities

- CCEC: [Recent comments: SB 100 Demand Scenarios](#)
- CPUC: Climate Adaptation Vulnerability Assessment Workshops - Sept 19 in Sacramento (more info pending)
- CARB: [Regional Listening Sessions on Zero-Emission Space and Water Heaters](#)
- CARB: [Transportation Fuels Transition Plan](#) - TBD North and South workshops
- CPUC: Data Working Group
- SLECC: Meeting **this week** Sept 12 (new recruits, planning for 2024-2025)



Spotlight Presentation



Sustainability Officer, County of Ventura
Alejandra Tellez

Introducing CalREN's 1st Annual Stakeholder Forum

REIMAGINING THE FUTURE:

Strengthening the energy workforce
for a more sustainable California

OCTOBER 29, 10AM - 12PM

Join us for a virtual meeting of the state's regional energy networks and learn about the latest and upcoming happenings in the workforce development, education, and training space.



Hosted by





Spotlight Presentation



Marketing Specialist, California Alternative Energy
and Advanced Transportation Financing Authority

Traci Hukill



gogreen
FINANCING™

GoGreen Financing: Green Means Go.

Affordable financing for energy upgrades

Administered by the California State Treasurer's Office

Supported by California's Investor-Owned Utilities (IOUs)

What is GoGreen Financing?



GoGreen Financing brings energy upgrades within reach by working with lenders to provide affordable financing options to Californians.

- For homes, multifamily properties and businesses
- Below-market interest rates and longer terms
- **NO SURPRISES!** No fees, hidden costs or property liens.
- **Many projects qualify:** Solar panels + battery storage, EV chargers, heat pumps, cool roofs, efficient HVACs, insulation, windows, Energy Star appliances & more
- GoGreen Home interest rates starting at 3.98%
- GoGreen Business promotion: rates as low as 0% thru the Go Low promotion

Interested in learning more?

Register to join Treasurer Fiona Ma and speakers from GoGreen Financing and CalABLE on Sept. 25 for an information-packed webinar that respects your busy schedule.

What: **Inside the Vault: Resources for Local Leaders**

A quarterly webinar series featuring updates from the State Treasurer's Office about programs and resources for your community

When: Wednesday, Sept. 25, 1-1:30pm

We hope to see you there!



Traci Hukill
GoGreen Financing
thukill@treasurer.ca.gov



Featured Discussion



Senior Energy Efficiency Manager,
Energy Solutions

Jeffery Liang

TECH Clean CA Updates

September 10, 2024



TECH Clean California Overview

What is TECH Clean California?

- California's flagship heat pump market transformation initiative for space and water heating is designed to help put California on a path towards carbon-free homes by 2045
 - Shape guiding principles of scale, equity, regulatory simplicity, and market transformation
 - Incentives offered statewide
 - \$95 million in new funding from the Greenhouse Gas Reduction Fund (AB 209 & AB 102)

For a more complete overview of TECH Clean California, check out the slides and recordings from our previous quarterly Stakeholder Meetings at techcleanca.com/about/reporting.

California Heat Pump Goals



Heat Pump
Water Heating



Heat Pump
HVAC

6 million heat pumps installed by 2030

Climate ready / friendly homes:

- 3 million by 2030
- 7 million by 2035

50% of funding
delivered to low-income households or disadvantaged communities

Source: California Office of Governor website. July 2022.
"Governor Newsom Calls for Bold Actions to Move Faster Towards Climate Goals"

Our Team:



Tre'Laine

The TECH Clean California initiative is funded by California ratepayers and taxpayers under the auspices of the California Public Utilities Commission.

TECH Clean California's Strategic Vision

California's flagship heat pump market transformation initiative for space and water heating is designed to help achieve the state's 2030 heat pump goals and inform a path towards carbon-free homes by 2045.



Spur the clean heating market through statewide strategies

Incentives, supply chain engagement, workforce development, consumer education



Pilots and Quick Start Grants to address market barriers

6 pilots, 19 Quick Start Grants



Inform long-term building electrification planning

Public data reporting: project cost, carbon, grid, bill impacts and best practices

Deployment To Date:

- > 1,000 contractors participating
- Single Family: > 30,000 units
- Multifamily: > 10,000 units
- 46% of incentives deployed in equity communities (projected 58%)
- >1,500 downloads of TECH Clean California's anonymized project datasets

Market Demand + Workforce Capacity



Technology Maturity + Project Impacts



Incremental Cost + Hassle Factor



Where We Are Now: New Funding Allocation

- **\$95 Million Funding from Greenhouse Gas Reduction Fund**
- **Funding Requirements**
 - Statewide eligibility
 - 35% of incentives must be spent in priority populations
 - 10% of funds to disadvantaged communities
 - 20% of funds to low-income communities/households
 - 5% of funds to low-income communities/household in ½ mile radius to low-income communities



Heat Pump HVAC Relaunch Overview

New HVAC Budget: \$25 million (Fall)

Goals: Develop a revised incentive structure that aligns incentives with expected impacts

- Balance increasing incentive rates against ensuring long running program
- Increase the benefit per incentive dollar spent by targeting higher savings potential customers, while retaining a simple overall structure
- Maximize bill savings opportunities wherever possible

Additional Upcoming Components:

- Adding low/moderate income incentives into TECH Clean California (HEEHRA Phase I), email IRAr ResidentialEnergyRebates@energy.ca.gov
- Support emerging technology (A2W Heat Pump)



Incentive Overview



Does the Customer have previous AC?	Was the Furnace Fully Decommissioned?	Incentive/Unit
Yes	Yes	\$1,500
	No	\$1,000
No	Either	\$1,000

Additional Notes on Relaunch

Qualifying Product Changes

- 1-stage systems will no longer be eligible
- May be switching to using EnergySTAR listed units to allow for integration with HEERHA rebates

Demand Response will be Required

- Same rules as what's currently in place for heat pump water heaters apply
 - Only required if there is an eligible program available and not required to be enrolled prior to receiving the incentive
 - Same program options list (switchison.org/techcleanca/demand-response/)

Dual Fuel will Still be Allowed, but Incentives will be Limited to \$1,000 per System

- However, will expand to allow for heat pumps being added on top of any existing furnace versus being required as part of 3-part AHRI match

Heat Pump Water Heater Relaunch Overview

New HPWH Budget: ~\$12 million (Fall)

- Single Family and Small Multifamily
- Different incentive levels between Northern California and Southern California electric utilities
- Requirements mostly same



Equity Plans

Stakeholder Outreach and Engagement

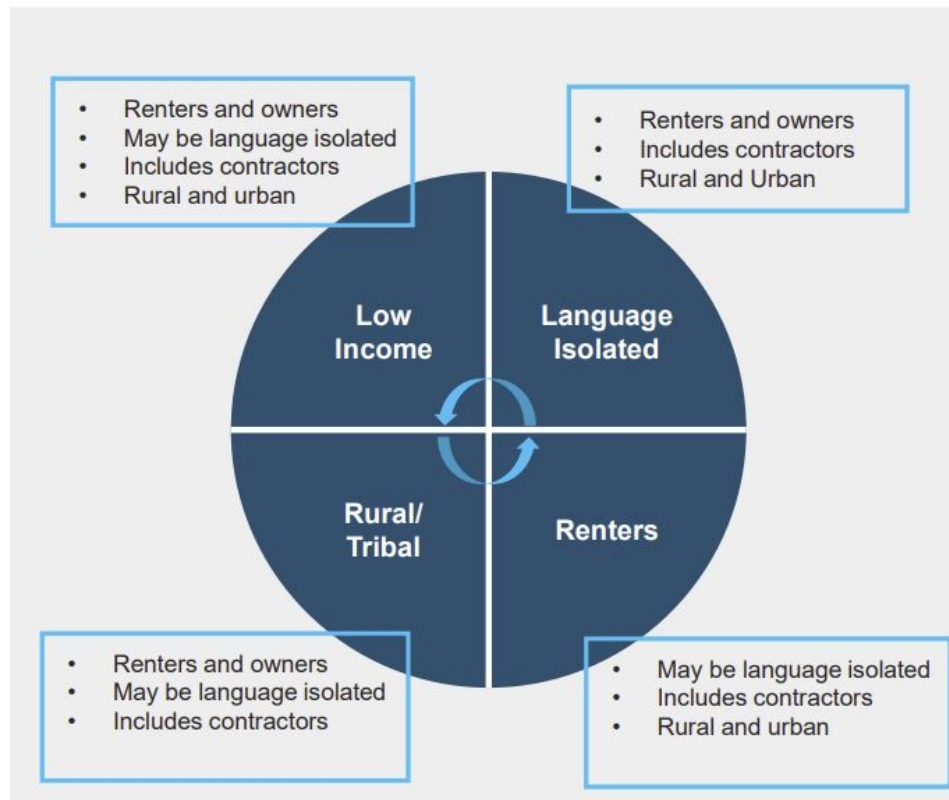
- Community Based Organizations (CBOs)
- Local Government
- Media Channels

Marketing, Education and Outreach

- Ethnic Media
- Priority Regions (Central Valley, Inland Empire)
- Ambassadors and Community Partners

Contractor and Workforce Outreach

- Training Center Engagement
- Contractor Outreach (priority regions, in-language)
- Workforce Development (curriculum development/equipment donation)



Workforce Education and Training Cornerstones



Pipeline and Trade Colleges

- Increase heat pump donations to trade and technical schools
- Faculty training
- Faculty stipends



Rural and Hard to Reach Contractor Recruitment

- Dedicated recruitment in disadvantaged communities and hard to reach areas
- Free training on heat pumps



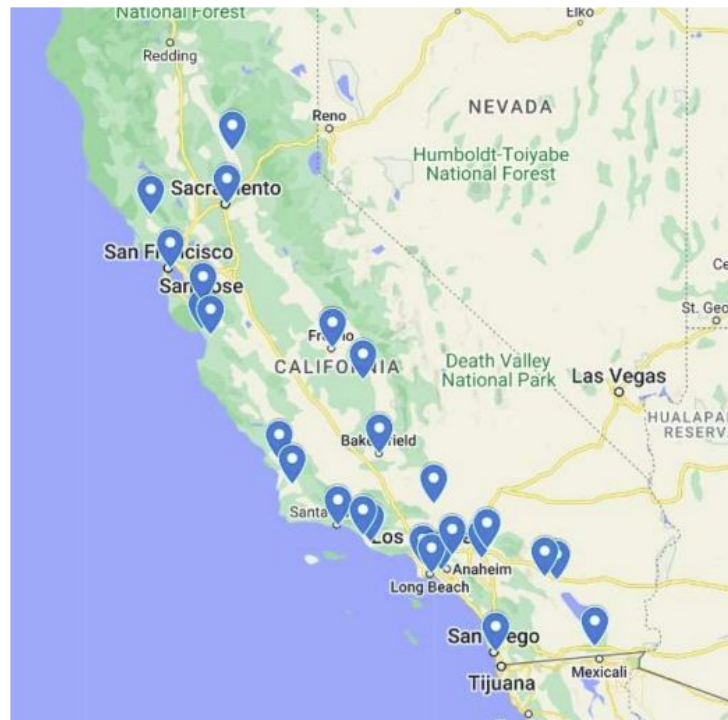
Expanded Training Options

- Training opened statewide
- Stipends for TECH Clean California contractors
- On-demand phone support

Pipeline and Trade Colleges

- Increase the number training centers with heat pump curriculum
- Train the next generation of HVAC and plumbing professionals on heat pumps
- Training the educators and faculty on heat pumps

Goal: No HVAC or plumbing student graduates without having their hands on a heat pump



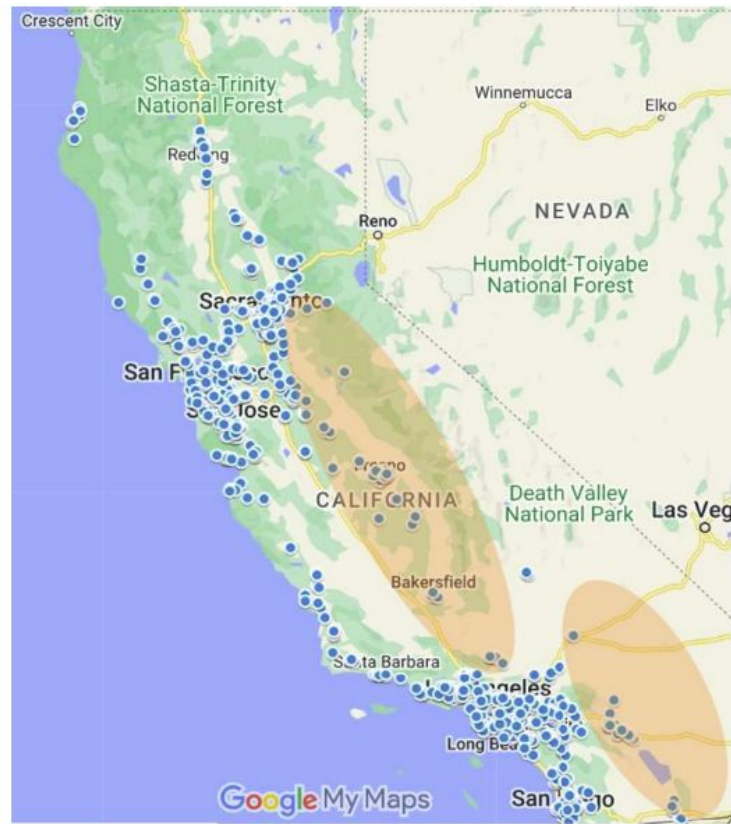
Trade schools and colleges funded by
TECH Clean California

Rural and Hard to Reach Contractor Recruitment

- Californians outside of major metropolitan areas have fewer choices when searching for a heat pump installer
- This also means fewer contractors delivering heat pump services to low-income programs like Energy Savings Assistance (ESA)

Goal: Create new jobs in heat pump installation in disadvantaged communities, rural, and other hard to reach areas

Goal: Train 200 existing contractors from these areas on heat pumps



TECH enrolled contractors

Expanded TECH Clean California Training

- Stipends available to contractors enrolled in TECH Clean California
- On-demand phone support through National Comfort Institute for 100 TECH Clean California contractors

Goal: Reduce the economic burden for taking time off work for training

Goal: Give contractors the technical support they need, when they need it



TECH Clean California
Electrify My Home Training

Q&A



Discussion Questions

- Who should TECH partner with?
- How can we partner with local government?
 - Incoming Workforce
 - Educational facilities (HVAC & Plumbing Courses)
 - Incumbent Contractor
 - Recruitment (underrepresented areas/minority/limited English proficiency)
 - Training
 - Consumer Outreach

Thank You

For more information or to get involved, contact:

TECH.info@energy-solution.com



 @TECHCleanCA  @TECHCleanCalifornia



Tre'Laine



techcleanca.com

BPC Workshop

Topic: Discussion

- If you are interested in joining CCEC's next **State/Local Energy & Climate Coordination (SLECC)** Meeting please, taking place on September 12th, please reach out to jvandervort@civicwell.org or ahacker@civicwell.org.

SLECC 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**

Local Energy Resources Network



What's Next?

- Bonus Breakouts up next!
- Next meeting **October 8th, 2024**
- Share [invitation](#) with others



Optional: Bonus Breakouts

Thanks for joining us!

This is a space for informal discussion among the LERN network. Feel free to:

- Offer an announcement, success story, or opportunity
- Share a need for information, collaborators, or advice
- Raise a suggested topic or speaker for future LERNS

If you need an in-depth discussion, you can pitch a specific bonus breakout topic and invite others to join you (today or we can plan ahead for next month)



CCEC Serves Local Needs



wEEkly Update



CURRENTS Quarterly



Webinars



Annual Forum



Active Funding Opportunities



Funding Program Database



Technical Assistance



Technical Assistance Directory



Local Government Roundtables



Best Practice Database



Interviews and Case Studies