

# Local Energy Resources Network



**Meeting 24**  
**November 14, 2023**

*Featuring Speakers from Energy  
Solutions and the Environmental  
Protection Network*



# Welcome!

## Purpose

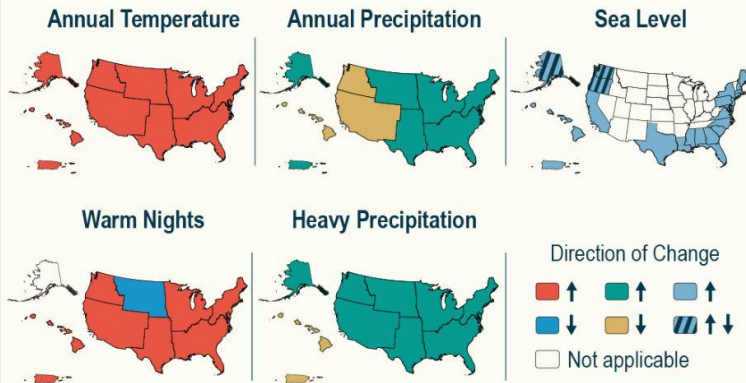
Interactive 1-hour meetings designed to be a regular space where local governments - and those who work with them - can help each other learn about (and possibly inform) available opportunities to advance their energy and climate goals.

## TODAY'S AGENDA

- Opportunity Roundtable
- Opportunity Spotlight by TECH Clean California
- Featured presentation by the Environmental Protection Network
- BPC Workshop
- Optional: Extended 15 minutes for Bonus Breakouts

# Climate Change Risks and Opportunities in the US

Climate change is happening now in all regions of the US



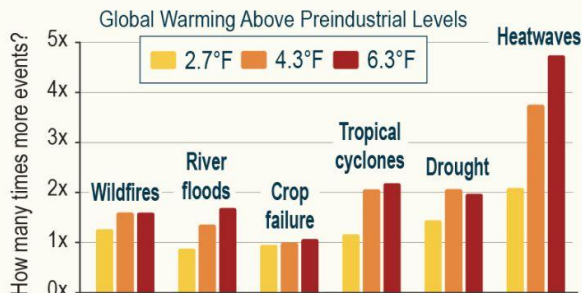
Each additional increment of warming leads to greater risks

Water supply  
Food security  
Infrastructure  
Health and well-being  
Ecosystems  
Economy  
Livelihoods and heritage



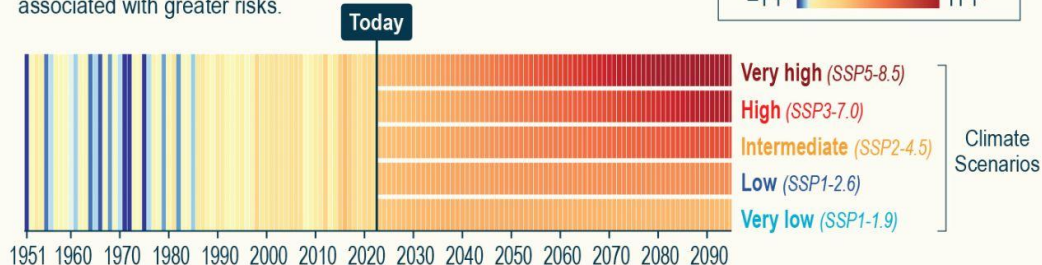
Without deeper cuts in global net emissions, climate risks to the US will continue to grow

► A person born in North America in 2020 will experience more climate hazards during their lifetime, on average, than a person born in 1965.



How much more the US warms depends on choices made today

► Future global greenhouse gas emissions from human activities determine whether and how quickly the US reaches warming levels associated with greater risks.



Action to limit future warming and reduce risks can have near-term benefits and opportunities





# 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  
(~\$19B raised since 2013)
- FY 23-24 Budget
- State agency proceedings (e.g. \*CPUC  
microgrid, CEC IEPR, \*CARB Scoping Plan)

### 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

- PG&E - Microgrid Incentive Program - Consultations from November - December 31
- CEC: CRITICAL PATH (EV infrastructure) - due November 17
- DOE: Career Skills Training (\$10M)- due November 27
- DOE: Energy Future Grants (EFG): Phase 1 - due November 30
- DOE: Energy Storage Demonstration and Validation - due December 4, 2023
- SGC: Round 2 Regional Climate Collaboratives Program (\$8.5M) - Pre-Proposals due September 6, 2023; Full Proposals due December 6. Bi-weekly office hours. Tribal Workshop on July 18. Contact: [CACE@sgc.ca.gov](mailto:CACE@sgc.ca.gov).
- CEC: Golden State Priority Project: Northern & Southern Regions (CALeVIP 2.0) - due December 12
- FEMA/CalOES: Building Resilient Infrastructure and Communities (BRIC) - Subapp- NOI Oct 27, due Dec 13
- DOE: Communities Local Energy Action Program (LEAP) - due December 14
- CEC: CA's National EV Infrastructure Formula Program - January 26, 2024
- DOE: Community Energy Innovation Prize - due February 2, 2024
- EPA: Climate Pollution Reduction Grants (\$4.6B), Phase 2 Implementation - due April 1, 2024
- DOE: EECBG Formula Grants and Voucher - webinar Nov 16; due April 30, 2024
- IRS: Consumer clean energy tax credits live!

### Input

- State & Local Energy and Climate Coordination - San Diego Pilot Regional Workshop Oct. 26; next meeting: December 14 with CARB on barriers to local climate action
- DOE: Grid Integration of Solar Energy Systems and Other Inverter-based Resources RFI - due November 30, 2023
- **Pending possible input opportunities** - CEC's \$18M formula allocation for DOE Assistance for Latest and Zero Building Energy Code Adoption and CEC application for DOE Renewable Energy Siting through Technical Engagement and Planning




# Opportunity Spotlight

The California Public Utilities Commission (CPUC) recently set aside \$200 million to create a statewide Microgrid Incentive Program (MIP) to fund the construction of multi-customer microgrids in disadvantaged and vulnerable communities. PG&E is working closely with Southern California Edison and San Diego Gas & Electric to deliver this funding to communities throughout California. PG&E has been allocated \$87.2M.

The MIP will provide up to **\$15M per community microgrid project**, including the design and installation of solar, battery storage and fuel generation components. Each community microgrid project will vary and cater to the specific needs of the area.

Before applying for this funding, **PG&E will begin hosting initial consultations in November 2023**. If encouraged by PG&E to apply, applications can be submitted starting in April 2024. The application process is competitive, and eligibility does not guarantee funding.

[Initial Consultation Request Form](#)  
Contact: [communitymicrogrids@pge.com](mailto:communitymicrogrids@pge.com)



## Microgrid Incentive Program

May 2023

Pacific Gas and Electric Company is partnering with San Diego Gas and Electric and Southern California Edison to lead the nation in launching a program to provide clean, local energy to communities that need it most.


The Microgrid Incentive Program (MIP) is a competitive grant program providing \$200M in funding to communities facing outages, power shutoffs and other events driven by climate change.

### MIP Can Fund:

- Up to \$14M per community microgrid for eligible engineering and project development costs, such as in front-of-the-meter batteries and clean generation resources
- Up to \$1M for interconnection related costs

### Program Goals

- ✓ Power critical services like fire stations, hospitals, etc.
- ✓ Advance climate resiliency technology
- ✓ Provide reliable energy to disadvantaged populations
- ✓ Inform future clean energy initiatives



### Eligible Applicants

- Community-based organizations
- Local/Tribal governments
- Third-party developers

### Timeline

April 2023 CPUC Approved Implementation Plan	October 2023 Publish Application Handbook and Program Overview	Spring 2024 MIP Application Submission*
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November 2023  
Consultations With Potential Applicants Begin

\*At least one subsequent application window will be available

### Questions?

For questions related to MIP, email us at [communitymicrogrids@pge.com](mailto:communitymicrogrids@pge.com).

Learn more at [cpuc.ca.gov/resiliencyandmicrogrids](https://cpuc.ca.gov/resiliencyandmicrogrids).



LEARN MORE



# Opportunity Spotlight

## California's National Electric Vehicle Infrastructure Formula Program

**Deadline: January 26, 2024**

**Source: California Energy Commission**

The California Energy Commission (CEC) announces the availability of up to \$40,500,000 in grant funds for projects that will strategically deploy high-powered direct current fast charger (DCFC) electric vehicle (EV) charging infrastructure and establish an interconnected network to facilitate data collection, access, and reliability.

**Total Funding: \$40.5 Million**

**Award Amount: \$2.4 Million - \$12.15 Million**

**Eligible Entities: Private Entities**

**Notable Requirements:** Charging stations must be installed along specific corridors stated in the application manual.







# Opportunity Spotlight



*Please add your  
questions to the chat  
while you listen*

Project Manager, TECH Clean California  
**Energy Solutions**  
**Lillian Ross**

# Technology and Equipment for Clean Heating (TECH)

November 2023





# TECH Clean California Program Activities



## Spur the clean heating market through statewide strategies

### Activate the supply chain

- Contractor incentives
- Streamlined Incentive Clearinghouse
- Technical and sales training

### Drive consumer demand

- Statewide marketing campaign
- Website with fact sheets, contractor directory and incentive finder



## Demonstrate scalable models through regional pilots

### Improve targeting and project finance

- Target customers using meter-based analysis
- Deploy an inclusive utility investment pilot

### Expand benefits to HTR customers

- Integrate heat pumps into low-income programs
- Multi-family pilots targeting property owners

### Streamline installation

- Streamline permitting process
- Enable load-shifting to support grid resiliency



## Inform long-term building decarbonization framework

### Develop public reporting site

- Inform policymakers and market actors on progress and impacts

### Quantify decarbonization impacts

- Avoided costs, grid benefits, and customer bill impacts

### Inform policy development

- State, regional, and local regulatory policy

 [Techcleanca.com](https://techcleanca.com)

**TECH Team:**

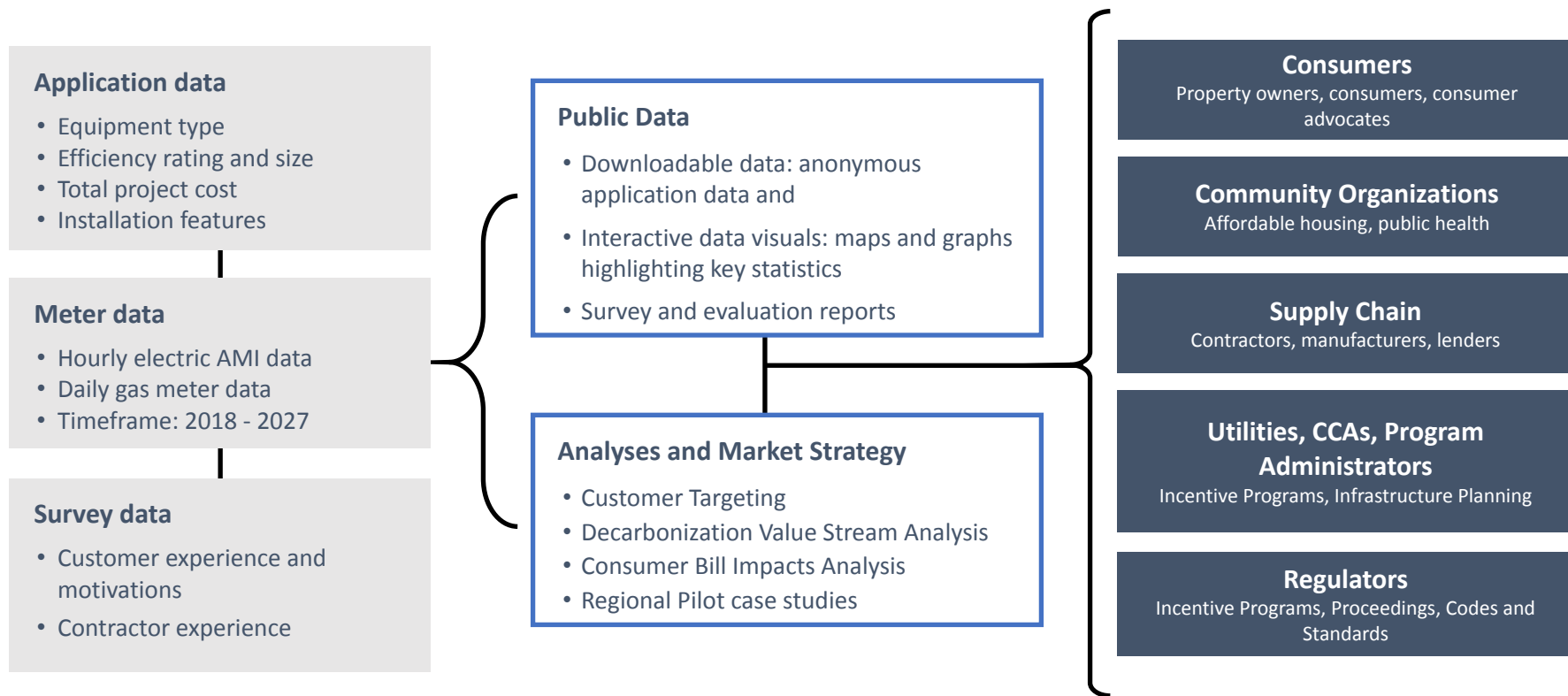


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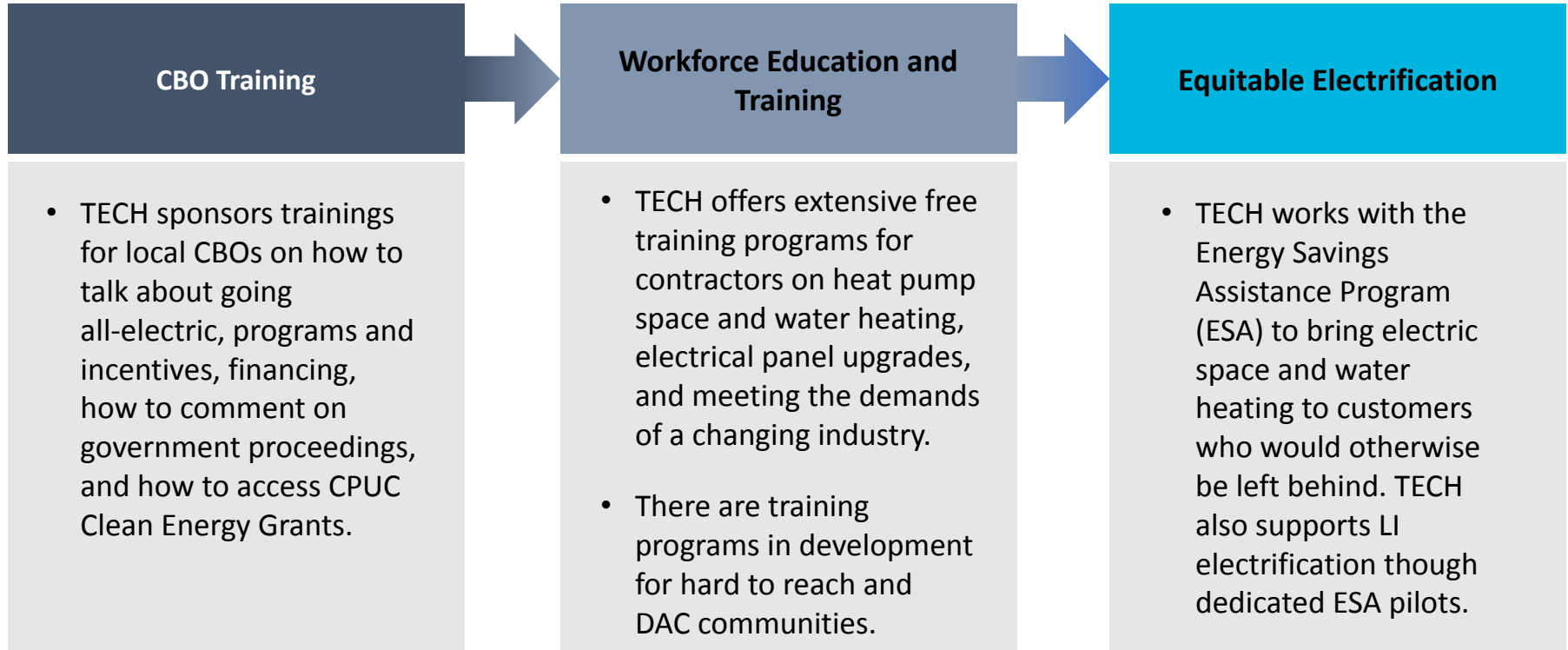


Tre'Laine

# How TECH data can inform building decarbonization decisions



# TECH Local Government Resources



# Ways Local Governments Can Work with TECH

- Sponsor CBO trainings in your area, TECH pays for the trainer and travel. Local groups manage the location and event day.
- Facilitate an introduction of the TECH WE&T team to your local training centers in disadvantaged areas so we can help.
- Put TECH in touch with technical schools in your area that have water heating or HVAC classes, TECH can donate equipment!
- Target a designated block area to promote TECH incentives and help us work with our existing home repair/upgrade programs for LI customers.
- Work with TECH on our express permitting pilots to get projects approved faster.



# CPUC Clean Energy Access Grants

The Clean Energy Access (CEA) Grant Account will award grants up to \$500,000 for work that will address access to or education about the CPUC Microgrid Incentive Program (MIP), Self-Generation Incentive Program (SGIP), Technology and Equipment for Clean Heating Initiative (TECH).





# Thank You

**Lillian Ross**

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[TECH.info@energy-solution.com](mailto:TECH.info@energy-solution.com)

## Get Updates

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# Featured Speaker



*Please add your  
questions to the chat  
while you listen*

Community Outreach Associate  
**Environmental Protection Network**  
**Caelie Fish**



# **Environmental Protection Network**

**Caelie Fish**

**Community Outreach Associate-EPA Region 9**

# About Us



- Founded in January 2017
- Approximately 600 EPA alumni across the country
- Unique perspective of former regulators with decades of historical knowledge & subject matter expertise



# Our Goals and Objectives



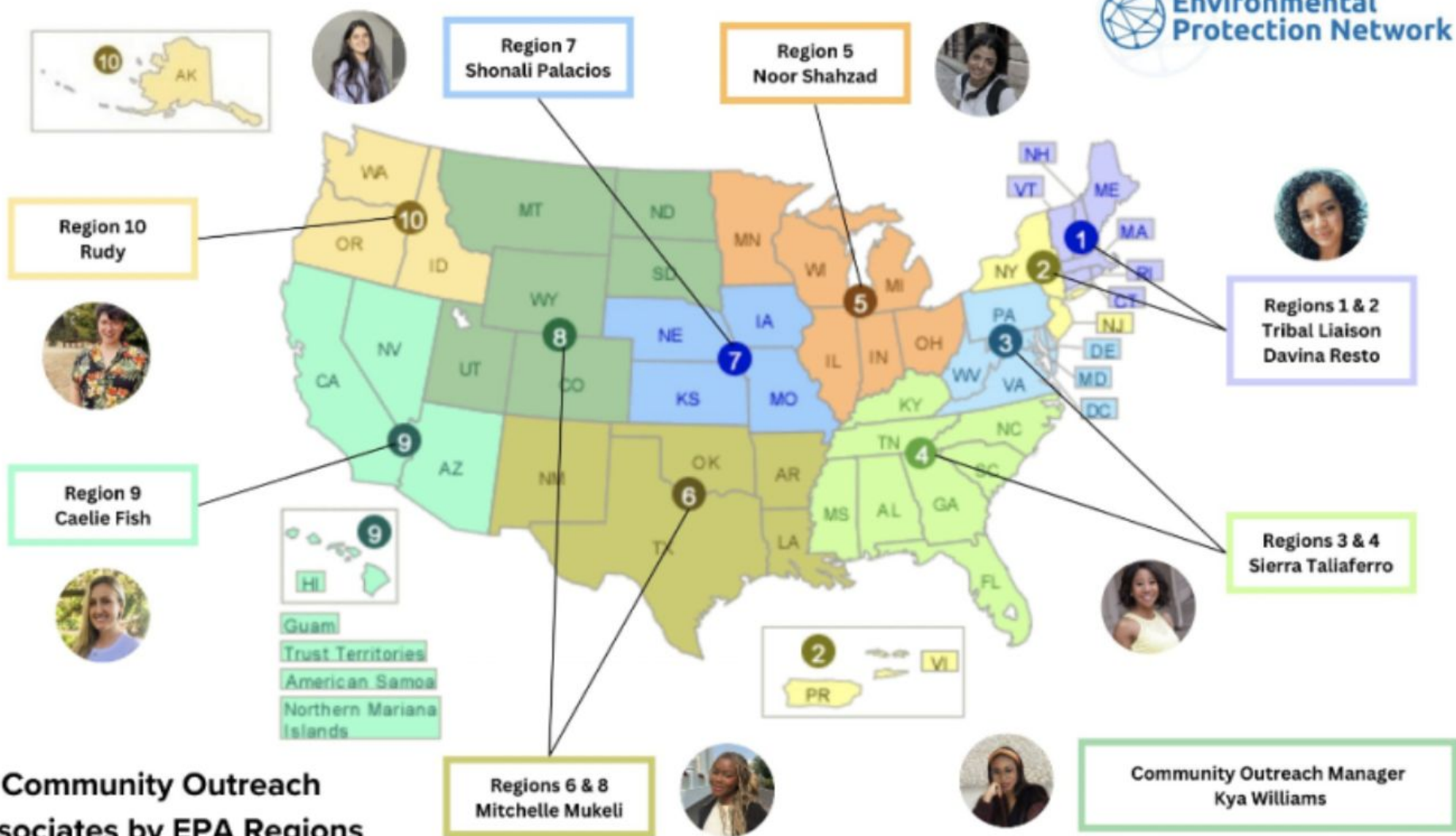
- Build the capacity of environmental agencies and the communities they serve to address the most urgent health and environmental crises—including climate change and environmental injustices
  - national policy advocacy
  - pro bono capacity building technical assistance
  - recruiting and retaining greater diversity of EPA staff

# Pro Bono Technical Assistance



- Connect former engineers, scientists, lawyers
- Frontline communities; NGOs; and State, local, and Tribal agencies
- Navigate bureaucracy, regulations, funding
- Achieve tangible public health benefits







# Progress to Date



- 150+ unique volunteers
- 450+ requests for TA
- Leveraged ~2000 volunteer hrs
- Assisted 100+ groups apply
- Helped groups access \$3M+
- Anticipate exponential growth



# Accessing federal funding



- Navigate funding opportunities
- Identify partners
- Make connections
- [Grant writing guides](#)
  - [checklists, templates, sample narratives](#)
- Grant management and reporting



# Environmental Justice Thriving Communities Technical Assistance Centers (TCTACs)



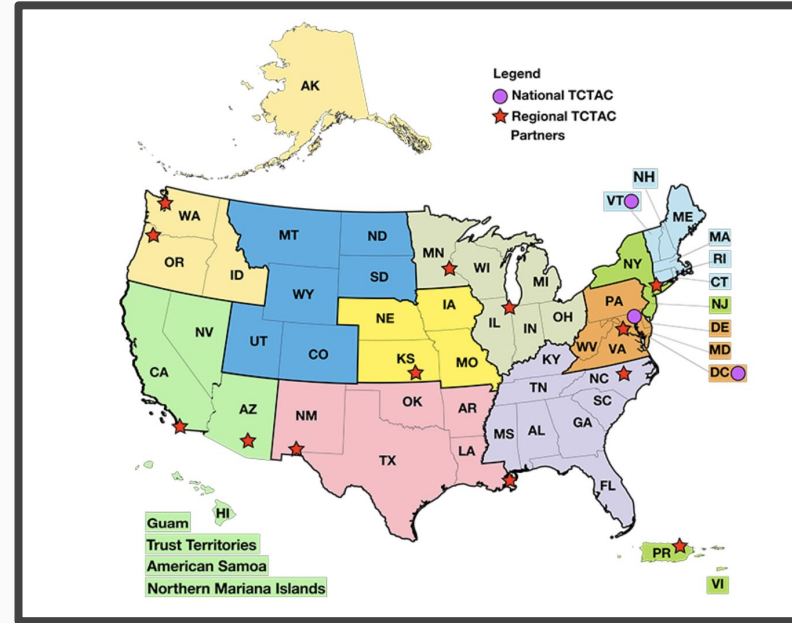
- EPA (in partnership w/DOE)
- 13 regional/ 3 national TCTACs
- \$10-13 million each over 5 years
- Help underserved and overburdened communities



# Regional TCTACs



- 2: [WE ACT](#) and [Interamerican](#)
- 3: [NWF](#)
- 4: RTI and 4&6 - DSCEJ
- 5: [BIG](#) and [UMN](#)
- 6: New Mexico State University
- 7: [WSU](#)
- 9: ASU and [SDSU](#)
- 10: [Willamette](#) and [Univ of WA](#)



# Questions?

**Caelie Fish**

**Community Outreach Associate-EPA Region 9**

**[caelie.fish@environmentalprotectionnetwork.org](mailto:caelie.fish@environmentalprotectionnetwork.org)**



# Audience Q&A

***Please add your questions in the chat or raise your hand***



# BPC Workshop

## Topic: Discussion

- **Save the Date for the 2024 CCEC Forum!**
  - View More Information [About the 2024 Forum](#)



# Local Energy Resources Network



## *What's Next?*

- Bonus Breakouts up next!
- Next meeting **December 12, 2023**
- December meeting will be our annual policy wrap up!
- 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