

SoCalREN Advisory Committee  
Meeting Minutes & Action Items  
Thursday, October 13, 2022  
10:30 am - 12:00 pm  
Virtual Zoom Meeting

Attendees

| #  | Name               | Organization                       |
|----|--------------------|------------------------------------|
| 1  | Shanette Anderson  | ECC                                |
| 2  | Wendy Angel        | ECC                                |
| 3  | Pam Bold           | HSEF                               |
| 4  | Scott Broten       | ICF                                |
| 5  | Peter Carlstrom    | CVAG                               |
| 6  | Fernanda Craig     | County of Los Angeles              |
| 7  | Laura Fleming      | Civic Spark Fellow, City of Irvine |
| 8  | David Freedman     | CVAG                               |
| 9  | Kim Fuentes        | SBCCOG                             |
| 10 | Sumire Gant        | GCCOG                              |
| 11 | Steven Halligan    | OCPA                               |
| 12 | Allison Hart       | TEC                                |
| 13 | Rebecca Hausheer   | TEC                                |
| 14 | Courtney Kalashain | SJVCEO                             |
| 15 | Erica Larson       | ICF                                |
| 16 | Meaghan Laverty    | TEC                                |
| 17 | Minh Le            | County of Los Angeles              |
| 18 | Benjamin Luca      | City of Palmdale                   |

|    |                   |                         |
|----|-------------------|-------------------------|
| 19 | Kelly Lynn        | SBCOG                   |
| 20 | Chris Moore       | CPUC                    |
| 21 | Patrick Ngo       | Lincus, Inc.            |
| 22 | Alelia Parenteau  | City of Santa Barbara   |
| 23 | Craig Perkins     | TEC                     |
| 24 | Laurel Rothschild | TEC                     |
| 25 | Nicholas Ryu      | SGVCOG                  |
| 26 | Tabaris Smith     | ECC                     |
| 27 | Vivian Soto       | ECC                     |
| 28 | Joe Susca         | Culver City             |
| 29 | Sheena Tran       | County of Los Angeles   |
| 30 | Udval Tsolmonkhuu | TEC                     |
| 31 | Garret Wong       | County of Santa Barbara |

#### Confirmed Action Items

- Please complete the [Q3 Meeting Survey](#)
- Reach out to Lujana Medina or Minh Le (County of Los Angeles) if interested in partnering on any specific new funding opportunities that will soon be available
- Erica Larson (ICF) to forward resource/simple list of IRA direct payment eligible credits to Laurel Rothschild (TEC) to share with the Advisory Committee
- Don't forget to listen to the SoCalREN podcast available on [Spotify](#) and [Apple Podcasts](#) platforms, and also follow us on social media! [Facebook](#), [LinkedIn](#), [Twitter](#) and [Instagram](#)

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#### Notes/Key Takeaways

- Laurel Rothschild (TEC) began the meeting by reviewing the following administrative items:
  - Virtual meeting/Zoom features
  - Introductions/logos of invited participants
    - Advisory Committee Members
      - South Bay Cities Council of Governments
      - Coachella Valley Council of Governments

- San Gabriel Valley Council of Governments
- City of Culver City
- City of Palmdale
- City of Santa Barbara
- County of Ventura
- County of Santa Barbara
- City of Irvine
- Orange County Power Authority
- Western Riverside Council of Governments
- Gateway Cities Council of Governments
- San Bernardino Council of Governments
- SoCalREN Staff, Implementers & Regional Partners
  - County of Los Angeles
  - The Energy Coalition
  - ICF
  - High Sierra Energy Foundation
  - San Joaquin Valley Clean Energy Organization
  - Emerald Cities Collaborative
  - Lincus Incorporated
- Purpose of Advisory Committee
  - Guide and advise
  - Collaborate and innovate
  - Be informed
  - Be an advocate
- Meeting agenda
- SoCalREN Welcome
  - Welcome and introductions
  - Minh Le
    - September 2022 Heatwave
      - The power of collective action!
      - The work that we do really does make a difference to ensure we meet state goals
    - A lot of new funding opportunities will soon be made available
      - The County is open to partnering with agencies for any of these new funding opportunities
        - If interested, reach out to Lujana or Minh at the County of Los Angeles (ACTION ITEM)
- Networking
  - Skipped due to time, may revisit at the end of the meeting

- Regulatory Updates (Patrick Ngo, Lincus)
  - R.13-11-005 EE Rolling Portfolio / CAEECC
  - What's next
    - Focus on Business Plan review

| Recent Development  | Impact to LG & Constituents Served   |
|---|--|
| <ul style="list-style-type: none"> <li>● CA Heat Pump Residential <a href="#">Market Study</a></li> </ul> | <ul style="list-style-type: none"> <li>● Develop market baseline of heat pump costs and market characterization</li> <li>● Transition towards decarbonization</li> </ul> |
| <ul style="list-style-type: none"> <li>● <a href="#">ALJ Ruling</a> on EE Issues (July 2022)</li> </ul>   | <ul style="list-style-type: none"> <li>● SoCalREN requests for streamlined data access from investor-owned utilities to enhance SoCalREN programs</li> </ul>             |
| <ul style="list-style-type: none"> <li>● CPUC <a href="#">Metrics Workshop</a> (Sept 2022)</li> </ul>     | <ul style="list-style-type: none"> <li>● Establishing Market Support, Equity, and REN metrics</li> </ul>   |

- A.22-03-011 - SoCalREN 2024-2031 Business Plan
  - What: Authorization and funding for 2024-2031 EE programs
  - What's new:
    - SCR replied to various BP data requests
    - CPUC requesting additional feedback on:
      - Community engagement, EE innovation, aligning with external funding, integration with IDSM
    - SCR BP documents and public webinar recording can be found [here](#)
  - What's next:
    - Intervenor Testimonies due 10/21
    - SoCalREN's rebuttal to intervenor testimonies due 11/21
    - Final Decision expected by Q3 2023
- A.22-03-011 – BP Natural Gas EE Incentives
  - What: To advance decarbonization, CPUC proposes plan to phase out ALL natural gas EE incentives by 2032
  - What's new:
    - CPUC releases [Staff Proposal](#) with step-down plan (Aug 2022)
      - Begin phase out of natural gas EE incentives starting in 2024
    - SoCalREN [requests](#) impact report and increased outreach and workforce funding for decarbonization efforts (Aug 2022)
  - What's next:
    - CPUC to review party comments and issue proposed decision
      - Schedule TBD
- R.20-08-022 - Clean Energy Financing
  - What: Explore comprehensive financing strategies for customers to invest in clean energy technologies
  - What's new:
    - 7 parties including LGSEC, SCE, and SoCalGas submitted financing proposals (April 2022)
    - Parties submitted community feedback and revised proposals (June

- 2022)
  - What's next:
    - Proposed Decision regarding financing proposals expected in Q4 2022
  - R.20-08-022 – Clean Energy Financing Proposals
    - IOU proposals focus on expanding OBF offerings outside of EE: electrification, transportation electrification, etc.)

| Program Administrator   | Proposal(s)   |
|---|---|
| <ul style="list-style-type: none"> <li>● SCE</li> </ul>   | <ol style="list-style-type: none"> <li>1) Expand existing non-Residential OBF outside of EE</li> <li>2) Launch new Residential Tariffed On-Bill (TOB) program               <ul style="list-style-type: none"> <li>● For EE or electrification measures</li> </ul> </li> </ol>  |
| <ul style="list-style-type: none"> <li>● SoCalGas</li> </ul>  | <ol style="list-style-type: none"> <li>1) Expand existing non-Residential OBF               <ul style="list-style-type: none"> <li>● Distributed Energy, Microgrids, Hydrogen, etc.</li> </ul> </li> <li>2) Extend OBF to Residential customers               <ul style="list-style-type: none"> <li>● Water Heating, Solar Thermal, Pool Heaters, etc.</li> </ul> </li> </ol>  |
| <ul style="list-style-type: none"> <li>● Local Government Sustainable Energy Coalition (LGSEC)</li> </ul> | <ol style="list-style-type: none"> <li>1) Proposes Decarbonization Incentive Rate (DIR)               <ul style="list-style-type: none"> <li>● Provide customers who switch from gas to electric a discounted rate for the incremental (additional) electricity consumed.</li> <li>● Proposed discounted rates                   <ul style="list-style-type: none"> <li>● 32% reduction for residential SCE customers</li> <li>● 26% reduction for bundled SCE customers</li> </ul> </li> </ul> </li> <li>2) Collaboration with Santa Barbara Clean Energy (SBCE) as a pilot sponsor</li> </ol> |

- R.20-08-020 - NEM 3.0 - Net Billing Tariff
  - What: Tariff for customers who generate their own energy and receive credit for any surplus sent to the grid
  - What's new:
    - [Proposed Decision](#) introduces NEM 3.0 that could significantly increase payback on solar projects (Dec 2021)
    - Commission put PD on indefinite hold based on party comments
    - Commission requested additional party feedback (May 2022)
      - Glide Path Approach
      - Non-Bypassable Charges
      - Community Solar Tariff Programs
  - What's next:
    - Revised NEM 3.0 tariff proposed decision from CPUC
      - Schedule TBD
- R.19-09-009 Microgrid
  - What's next:

- CPUC to issue proposed decision on Microgrid Incentive Program (MIP)
- CPUC to launch multi-property microgrid tariff development
  - Schedule for both items TBD

| Recent Development   | Impact to LG & Constituents Served   |
|--|--|
| <ul style="list-style-type: none"> <li>● Draft <a href="#">Microgrid Incentive Program</a> (MIP) Implementation Plan (Dec 2021)</li> </ul> | <ul style="list-style-type: none"> <li>● \$200m statewide for 10 projects per IOU territory</li> </ul>   |
| <ul style="list-style-type: none"> <li>● <a href="#">ALJ Ruling</a> requesting comment on the MIP Staff Proposal (July 2022)</li> </ul>    | <ul style="list-style-type: none"> <li>● Presents ED recommended MIP Implementation Plan improvements across 8 areas.</li> </ul>               |
| <ul style="list-style-type: none"> <li>● CPUC – <a href="#">Resiliency and Microgrid Working Group</a> meetings</li> </ul>                 | <ul style="list-style-type: none"> <li>● Facilitating discussions to support resiliency efforts and commercialization of microgrids</li> </ul> |

- A.21-12-009 - SCE Application for Building Electrification Programs
  - What's new:
    - SCE requesting \$677m for 2024-2027 to:
      - Install 250,000 electric heat pumps and provide electrical upgrades for 65,000 households
        - Emphasis on low-income, Environmental and Social Justice (ESJ) and vulnerable communities
      - Provide retrofit assessments and electrification upgrades to residential customers
  - What's next:
    - CPUC to review SCE's funding request in 2022
    - Final Decision expected by April 2023
- R.22-07-005 – Advance Demand Flexibility through Electric Rates
  - What: Commission to establish policies and modify electric rates to enable widespread demand flexibility (July 2022)
  - Impact:
    - Enhance reliability of CA's electric system
    - Make electric bills more affordable and equitable
    - Enable widespread electrification of buildings and transportation
  - What's next:
    - CPUC to release list of issues to be addressed and proceeding schedule
      - Schedule TBD
- Questions/Comments?
  - Patrick Ngo (Lincus) mentioned that the biggest theme across all proceedings is decarbonization
  - Chris Moore (CPUC) asked if SoCalREN has High-DER proceeding on our radar
    - The CPUC has upcoming workshops coming up for community/stakeholder feedback

- Laurel Rothschild (TEC) mentioned that there was a CPUC/CEC full day workshop on the electric grid related to the high DER proceeding.
    - There were some [great slides](#) that provide an overview of grid operation and what is needed in the future
- GCCOG Energy Resilience Action Plan Update (Sumire Gant, GCCOG)
  - Energy Resilience Action Plan (ERAP) Initiative
    - What is an ERAP?
      - Provides a roadmap to prioritize near- to long-term energy resilience strategies
      - Uses data-driven analysis to develop recommendations for capital projects that will strengthen the energy resilience of cities and their communities
      - Provides a strong basis for cities to secure grant funding to deliver projects identified in the ERAP to support their communities' needs
    - Why did GCCOG propose an ERAP?
      - Only 5 out of 27 COG cities have an Energy Action Plan
      - The COG had developed a Climate Action framework
      - Only 3 of the 27 cities have a Climate Action Plan
    - Timeline
      - 2020 - Pilot proposed
      - 2021 - Project development
      - 2022 - (3) ERAP reports
      - 2023 - (3) Energy Resilience Action Plans
    - Choosing three cities - an equitable process
      - SB 535 Disadvantaged communities
      - AB 1550 Low-income communities
    - Identifying the most vulnerable communities
      - LA County Vulnerability Assessment
      - USC Price School NDSC
      - Gateway Cities Vulnerability Ranking
    - Three most vulnerable Gateway Cities
      - Maywood
      - Bell
      - Bell Gardens
    - Next steps
      - Phase 1: 2022
        - Presentation of findings
        - Internal feedback
        - Resilience hub opportunity assessment
      - Phase 2: 2023
        - Onsite hub audits
        - GHG inventory development
        - Review of findings
        - External (community) feedback
        - Energy Resilience Action Plans

- [Link to report](#)
- Questions/Comments?
  - Laurel Rothschild (TEC) asked if anyone else working on similar efforts
    - Alelia Parenteau (City of Santa Barbara) is also in the planning process of resiliency hub development
    - Kim Fuentes (SBCCOG) has completed vulnerability assessments through the Civic Spark program and is also working with SoCalREN to explore resilience hub opportunities
    - Ben Lucha (City of Palmdale) has a large ESCO project underway and will be reviewing audit and location opportunities
    - All are in the preliminary stages
    - Garret Wong (County of Santa Barbara) also has a current effort underway which can be viewed [here](#), and suggested we all connect and compare notes
- Funding Opportunities - Inflation Reduction Act (IRA; Erica Larson, ICF)
  - ICF's overview of the Inflation Reduction Act as it pertains specifically to tax credits, tax deductions, or funded programs for energy efficiency, building electrification, electric vehicles, and distributed energy resource measures and programs
  - Impact of Inflation Reduction Act on Carbon Emissions
    - \$369B
      - Allocated toward clean energy and climate
    - 40%
      - Reduction in carbon emissions by 2030
    - \$43B
      - Earmarked for funded federal grant, rebate, and loan programs available to EE, DER, or EV programs
  - Mechanisms for Funding Clean Energy Investment
    - Tax credits and reductions
      - Specific to Inflation Reduction Act
      - Immediate and near-term impacts
      - New or increased credits and deductions are generally in effect beginning Jan. 1, 2023
    - Funded grant, loan, and rebate programs
      - Medium- to long-term impacts
      - IRA-funded programs available in 2023, but do not expect rebates / dollars available to customers until Q4 2023 / 2024
  - Common themes
    - Community impact
    - NA Manufacturing
    - GHG scaling
    - Labor requirements
  - Energy efficiency, electrification, and DERs



- Tax credits and reductions
  - Electric vehicles
    - Overhauls new electric vehicle tax credit and eliminates large manufacturer phase out
    - Creates new tax credit for used passenger EVs
    - Creates new tax credit for commercial EVs
    - Increases maximum tax credit for EV charging infrastructure to \$100K and makes bi-directional infrastructure eligible; limits credit to low income and rural areas
  - Energy efficiency/electrification
    - Increases homeowner EE upgrade tax credit to \$1,200
    - Additional \$2,000 tax credit available for efficient heat pumps, HPWH
    - Increases maximum tax credit for new efficient homes to \$5,000
    - Increases commercial energy efficiency retrofit tax deduction from \$1.80/sq. ft. to \$5/sq. Ft.
  - DERs
    - Extends tax credits for small-scale renewable generation (e.g., rooftop solar, fuel cells, geothermal heat pumps, small wind)
      - Creates tax credits for battery storage
      - Tax credit = 30% through 2032, 26% in 2033, and 22% in 2034
- Funded grant, loan, and rebate programs
  - Electric vehicles
    - \$1B allocated to EPA to administer to states, local government, tribal government, and school transportation associations to replace heavy duty vehicles
  - Energy efficiency/electrification
    - \$4.3B allocated to DOE and state energy offices for whole home rebates
    - \$1B allocated to HUD for affordable housing clean energy/water projects
    - \$1B allocated to DOE and state/local governments for advanced building codes
    - \$1B to USDA for Rural Energy for America that provides grants and funding for energy efficiency and renewable energy improvements and audits
    - \$4.3B allocated to DOE to administer to state energy offices and tribal governments for residential electrification rebate programs
    - \$150M to Bureau of Indian Affairs to administer to tribal governments to electrify unelectrified homes and transition electrified homes to renewable energy systems
  - Other grants/loans that could support all of the above

- \$27B EPA administered to states, local governments, and nonprofits to support zero emissions projects
- \$3.6B DOE administered loan guarantees for innovative GHG reduction projects
- \$4.75B EPA administered grants to states, municipalities, and tribes for GHG planning and implementation grants
- Questions/Comments?
  - Minh Le (County of Los Angeles) asked if nonprofits capture these tax credits?
    - Erica Larson (ICF): yes, many credits in the Act are eligible for nonprofits
  - Minh Le (County of Los Angeles) asked if we can capture tax incentives retroactively for EV infrastructure or EVs?
    - Erica Larson (ICF): I do not believe it will be retroactive, I believe it starts in 2023 — so make purchases in the new year!
  - Alelia Parenteau (City of Santa Barbara) asked if there was just a simple list of direct payment eligible credits we could access?
    - Erica will dig up the resource and share with Laurel to distribute to the committee (ACTION ITEM)
  - Craig Perkins (TEC) mentioned: in terms of the context for the magnitude of these budget allocations, we need to remember that the entire national budget for the EECBG program that was adopted in 2009 was \$3.5 billion. The IRA is exponentially larger!
  - Craig Perkins (TEC) also mentioned that the increased tax credit for solar and storage installations (from 26% to 30%) also applies to projects installed in 2022.
  - David Freedman (CVAG) asked if the EE incentives available for equipment can be used for 2022 placement or do they have to start in 2023?
    - Erica Larson (ICF): 2023
  - Craig Perkins added: Pretty sure that the EE incentives as well as the heat pump tax credits only apply beginning in 2023. A lot of folks are holding off on heat pump retrofits until after January 1
  - David Freedman (CVAG) added: The CEC is holding a workshop on the advanced codes tomorrow morning
  - Laurel Rothschild (TEC) commented: TECH incentives are currently available in SCG territory for HPWH
  - Laurel Rothschild (TEC) also added that we anticipate that their will be stacking allowed, which will apply to SoCalREN programs and will help drive down cost
  - Sumire Gant asked if funding be could available to Council's of Governments to distribute within cities and nonprofits in the subregion
    - Erica Larson (ICF): Yes, I believe so

- Alelia Parenteau (City of Santa Barbara) asked if municipalities could directly implement projects or would the (EPA) funds need to be distributed?
  - Erica Larson (ICF): It is a little bit vague and we are waiting on additional guidance from EPA
- Closing Reminders (Laurel Rothchild, The Energy Coalition)
  - SoCalREN Podcast and Social Media
    - New SoCalREN Podcast!
      - The twelfth episode of ReEnergizing Communities was recently posted!
      - Currently available on [Spotify](#) and [Apple Podcasts](#) platforms
      - Don't forget to follow us on social media
        - [Facebook](#)
        - [LinkedIn](#)
        - [Twitter](#)
        - [Instagram](#)
    - New Marketing & Outreach Materials
      - Supercharged Incentives - a program being pushed through the end of the year
      - Kits for Kids - a program being pushed through the end of the year
    - [Online Resource for Advisory Committee Members](#)
    - 2022 Meeting Schedule
      - Proposed dates
        - Q4 12-14-2022
    - Please complete the [Q3 Meeting Survey](#) (ACTION ITEM)
  - Adjourn
    - Minh Le (County of Los Angeles) provided closing remarks and the 2022 Q3 Advisory Committee Meeting was adjourned