



CALIFORNIA FOUNDATION
ON THE ENVIRONMENT
AND THE ECONOMY

A G E N D A

CFEE Energy Summit

Playing with Fire: The Precarious State of California Energy

February 6-7, 2020

California is experiencing a moment of peak uncertainty in its energy system. Whether it's the intensifying risks of wildfires, swirling questions about the future of the state's utilities, or the sluggish decarbonization of our transportation sector and built environment, the path forward to an affordable, clean, and reliable energy future has rarely been so fraught.

This conference will convene top state officials and legislators with senior labor, industry, environmental, consumer, and local government leaders to probe this uncertainty and consider what thoughtful, coordinated action is needed to increase public trust and enhance system resiliency while managing costs and fulfilling bold air quality and climate goals.

THURSDAY, FEBRUARY 6

Napa Meeting Hall

11:30 – 12:45 pm	Arrivals & Check-In – Buffet Lunch – Location: FARM Dining Room
12:45 – 1:00 pm	Welcome – Conference Overview and Roundtable Introductions

- Preview of conference topics, speakers, and goals

Jay Hansen, President & CEO, CFEE

1:00 – 2:30 pm	<u>Session 1</u> Stuck in Neutral? Transportation Sector Decarbonization
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After a period of declining greenhouse gas emissions (GHG) in the transportation sector from 2007 – 2013, GHG's increased from 2013 – 2017. It's now estimated that 2018 resulted in a slight dip. What's going on with sector emissions, and what are the implications for meeting 2020 and 2030 GHG goals?

- The state has a robust array of decarbonization policies, programs and monies targeting the transportation sector – why has it been difficult to get a handle on sector emissions?
- What does this suggest about what must be done to make progress?
- In addition to embracing zero emission vehicles, what other lower carbon fuel options may need more attention?

- How is the electricity sector responding to opportunities presented by transportation electrification? Can transportation electrification be used as a form of resiliency?
- What other technologies – like hydrogen and carbon capture sequestration (CCS) – are on the rise and how is the private sector promoting them?

Jared Blumenfeld, Secretary, California Environmental Protection Agency
(5-10 min)

Laura Lewis, Chief Legal Officer, Sacramento Municipal Utility District (5-10 min)

Jamie Hall, Manager, Advanced Vehicle and Infrastructure Policy, General Motors (5-10 min)

Steve Bohlen, Program Manager, Energy and Homeland Security, Lawrence Livermore National Laboratory (5-10 min)

Roundtable Discussion

2:30 – 2:45 pm	Break
2:45 – 4:15 pm	<u>Session 2</u> What's the Resiliency Recipe? De-energization, Micro-grids, and More

This current wildfire season has triggered a series of public safety power shutoffs to reduce the risk of infrastructure-induced infernos. The unpopularity of de-energization has breathed new life into ambitious proposals to make the electricity system more resilient to wildfires and other extreme events. This session will consider if we have the grid we need, and if not, explore the feasibility of various options to make our system less vulnerable.

- How are fires impacting decarbonization goals for the state?
- What grid technologies are already in use and what else can be deployed to mitigate wildfire risks?
- Will we see more power shutoffs in the short term? When this occurs, what are the consequences to energy procurement and the cost to customers?
- How would micro-grids improve resiliency? How much would it cost to deploy micro-grids, and what are the equity implications for where micro-grids are deployed?
- What about undergrounding or insulating power lines? Is this a cost-effective solution for some areas?
- Who would pay for a revamping of grid infrastructure?

Caroline Winn, Chief Operating Officer, San Diego Gas & Electric (5-10 min)

Max Wei, Research Scientist, Energy Analysis and Environmental Impacts Division Lawrence Berkeley National Laboratory (5-10 min)

Mark Toney, Executive Director, The Utility Reform Network (5-10 min)

Diane Dillon, Supervisor, District 3, County of Napa (5-10 min)

Roundtable Discussion

4:15 – 4:30 pm	Break
4:30 – 5:45 pm	Session 3 Emergency Preparedness and Response – Is California Doing it Right?

The rising incidence and severity of extreme events in California offers an urgent opportunity to reflect on what we currently do well to prepare and respond to such events as well as determine the next steps to better ensure public safety. We must also ask the critical question, are private companies making decisions that government should rightly be making?

- What are the key institutions and processes in place to prepare for looming extreme events?
- How do public, private, and community stakeholders in other jurisdictions mobilize to prepare and respond to extreme events? How does California compare?
- How much responsibility should energy utilities and telecommunications companies assume for emergency communications and response?
- What should be done with existing homes and planned developments in the Wildland-Urban Interface?

Eric Lamoureux, Assistant Director for Response, California Governor’s Office of Emergency Services (5-10 min)

Tom Jacobus, Principal Manager of Business Resiliency Preparedness and Response, Southern California Edison (5-10 min)

Mark Quinlan, Senior Director, Emergency Preparedness and Response, Pacific Gas & Electric (5-10 min)

Michael Mohler, Deputy Director, Communications, CAL FIRE (5-10 min)

Roundtable Discussion

6:30 pm	Reception and Dinner
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Reception begins at 6:30pm at the Hilltop Patio & Dining Room

FRIDAY, FEBRUARY 7

Napa Meeting Hall

7:30 – 8:30 am	Breakfast Buffet – Location: FARM Dining Room
8:30 – 10:00 am	<u>Session 4</u> Utility Overhaul: Who Buys? Who Owns? What's Best?

With the ascendance of local communities as energy procurers and lingering questions about investor-owned utilities (IOU's), there is an ongoing debate about the future of load serving entity models in California.

- What are the tradeoffs of the state's different load serving entity models, ranging from IOU's and municipal utilities to community choice aggregation and co-ops?
- What are the key considerations and trade-offs for municipalization of utility infrastructure? What strategies can municipalities offer to manage infrastructure risk differently than an IOU?
- If the system continues to disaggregate and localities exercise greater control over energy planning, how do we empower local innovation while still fulfilling state objectives?
- Is there a need to have a central buyer do resource adequacy procurement for the whole state? Would an existing agency undertake this responsibility or should a new agency be created?

Severin Borenstein, Board Member, CAISO Board of Governors, and
Professor, Energy Institute at Haas, UC Berkeley (5-10 min)

Michael Wara, Director of the Climate and Energy Policy Program, Stanford
Woods Institute for the Environment (5-10 min)

Damon Connolly, Supervisor, District 1, County of Marin (5-10 min)

Roundtable Discussion

10:00 – 10:15 am	Break
10:15 – 12:00 pm	<u>Session 5</u> What's on the Docket? CARB, CEC, and CPUC Priorities – 2020 and Beyond

California is home to a robust collection of state agencies tasked with overseeing the implementation of the state's complex energy policies and programs. This session will feature leadership from the California Public Utilities Commission, the California Air Resources Board, and the California Energy Commission detailing what's on their dockets for 2020 and beyond.

- What are the top priorities CARB, CPUC, and CEC?
- On what issues are they collaborating with one another to handle overlapping issues?
- How do you promote best practices, innovation and consistent standards to support healthy markets?
- How are agencies responding to market changes with evolving and growing demands on their budgets and staff?

Mary Nichols, Chair, California Air Resources Board (5-10 min)

David Hochschild, Chair, California Energy Commission (5-10 min)

Genevieve Shiroma, Commissioner, California Public Utilities Commission
(5-10 min)

Roundtable Discussion

12:00 – 12:15pm

Summary, Next Steps, and Adjournment

Jay Hansen, President & CEO, CFEE

Capitol Staff Debrief to be held in Sacramento at noon on Friday, February 28. Please contact Wyatt Lundy at wyatt@cfee.net if you or your staff would like to attend.