CALIFORNIA

Efficiency + Demand Management

COUNCIL

Advancing Our Clean Economy

Monthly Member Readout

March 3, 2023

REC

This call is being recorded. Confidential – for CEDMC members only. Do not distribute.

Today's Agenda

Council News

- Recap:
  - 2/15 EM&V Forum
  - 2/22 Lobby Day
- What's Coming Up
- Solicitations
- Capitol Update

Issues/Topics

- CEC: Diablo Canyon Power Plant Extension of Operation
- CEC: Adopts Clean Energy Reliability Plan ("CERIP")
- CPUC: E-5254 Draft Comment Resolution (Federal Funding Guidance)
- Congressional Support for Energy Data Guidelines
- HOMES / HEEHRA
- Other Federal Activities
- Quick Updates

©2023 Proprietary and Confidential. All Rights Reserved.

Recap 2/15 EM&V Forum

Takeaways

- EM&V program and panelists overview
- Full slide deck
- Thank you to our Gold, Silver, and Bronze Sponsors!

- Mark your calendars:
  2023 Spring Symposium
  May 24, Westin at LAX
  more details to come…

©2023 Proprietary and Confidential. All Rights Reserved.

Recap 2/22 Lobby Day - Sacramento

Takeaways

- Participation in the Council's annual Lobby Day is a service offered to Sustaining Members. Thank you to our Sustaining Members for making this another successful Lobby Day!
- Our Annual Lobby Day connects our Staff and Members (through our lobbyists) with key State legislators, staff, and influencers in Sacramento.
- The group addressed key policy issues across 12+ meetings.

©2023 Proprietary and Confidential. All Rights Reserved.

What's Coming Up

- **3/09: AESP-CA+ CEDMC DER Aggregation Webinar, Session 4: Building Decarb: Aggregating Energy Savings to Drive Sustainability in Built Envt.**
  - 12:00 p.m. - 1:00 p.m. | Registration coming soon
- **3/09: AESP-CA + CEDMC Happy Hour (Oakland, California)**
  - 5:00 p.m. - 7:00 p.m. | Make Westing: 1741 Telegraph Ave, Oakland, California 94612
  - Cost: $15/person - CEDMC and AESP-CA Members | $20/person Non-members | Register here
- **3/09: AESP-CA + CEDMC Happy Hour (San Diego, California)**
  - 5:30 p.m. - 7:00 p.m. | Stone Brewing World Bistro & Gardens, Liberty Station, 2816 Historic Decatur Rd, UNIT 116, San Diego, CA 92106
  - Register here
- **3/13: SCE Grid Modernization Workshop & Automation Technical Workshop**
  - 9:00 a.m. - 11:30 a.m. SCE Grid Modernization Workshop in compliance with Decision 18-03-023.
  - 1:00 p.m. - 2:00 p.m. SCE Automation Technical Workshop as required by Decision 21-08-036.
  - Webex (same information for both workshops)
- **3/13: CEC Commissioner Workshop on Land Use Screens**
  - 1:00 p.m. - 4:00 p.m. | Zoom; 1(888) 475-4499 | Webinar ID: 876 2626 9807 | Passcode: 681610
- **3/14: PG&E Public Webinar for the Energy Efficiency Summer Reliability Program**
  - 1:00 p.m. - 2:00 p.m. | Microsoft Teams; 1(415) 906-0873 | Meeting ID: 210 930 730 535 | Passcode: KWusvG
- **3/16: AESP-CA + CEDMC Happy Hour (Irvine, California)**
  - 5:30 p.m. - 7:00 p.m. | Hangar 24 Orange County: 17877 Von Karman Ave, Unit 110, Irvine, California 92614
  - Register here

©2023 Proprietary and Confidential. All Rights Reserved.

What's Coming Up (Cont)

- **3/20: SoCalGas: Closure of Residential Multifamily Space & Water Heating Program (SCG3888)**
  - 9:00 a.m. - 10:00 a.m. | Microsoft Teams; 1(858) 284-1506 | Meeting ID: 248 627 900 76 | Passcode: 4cXhsB
- **3/23: AESP-CA+ CEDMC DER Aggregation Webinar, Session 5: Transpo. Elect. Vehicles & Charging Infra + Impact on the Grid, Flexible Capacity**
  - 12:00 p.m. - 1:00 p.m. | Registration coming soon
- **3/24: Energy Institute at Haas Power Conference on Energy Research & Policy**
  - 8:00 a.m. - 6:30 p.m. | In-person: Spieker Forum, 6th floor of Chou Hall, Haas School of Business, UC Berkeley
  - Register here
- **4/06: AESP-CA+ CEDMC DER Aggregation Webinar Series, Session 6: Distributed Generation/DER Options for End-Users**
  - 12:00 p.m. - 1:00 p.m. | Registration coming soon
- **4/11: CEC Public Hearing for Flexible Demand Appliance Standards related to Pool Controls**
  - 10:00 a.m. - 3:00 p.m. | Zoom; 1(888) 475-4499 | Webinar ID: 886 7897 8298 | Passcode: 401667
- **4/27: CEC Committee for the Clean Transportation Program Investment Plan to discuss the 2023–2024 Investment Plan Update**
  - More information will eventually be posted here, currently a save the date only.

©2023 Proprietary and Confidential. All Rights Reserved.

Open Solicitations

3/03/23: SDG&E RFP re: Workforce Education and Training (WE&T) / Integrated Energy Education Training (IEET) Program
- Note: PEPMA states the RFP has been revised and is now due 3/31, however, the posted RFP continues to state RFPs are due 3/03.

3/07/23: SDG&E RFO due: 2024 DRAM
3/07/23: PG&E RFO due: 2024 DRAM
3/07/23: SCE RFO due: 2024 DRAM
3/13/23: CalChoice RFP due: Comprehensive Operational Support Services
3/14/23: SDCP & CPUC: RFP response due: EE Business Plan Application Development Support Services
- Questions & Answers

3/14/23: PG&E Registration for RFI 139747 re; Application System for Income Qualified Offerings
3/15/23: PG&E Registration due re: Concurrent Application Process System in support of SB 1208 Implementation
3/16/23: PG&E RFO due: Mid-Term Reliability - Phase 3
3/23/23: SCE Partnership Pilot Third Party Aggregator Prescreening Applications due
- Residential
- Commercial

3/29/23: PG&E RFI due: EE Residential Load Management (NAICS 541613)
- Note: RFI release date: 2/27/23

4/03/23: SCE RFO due re: 2023 Mid Term Reliability Phase 3
Note: SCE is hosting a bidder conference call March 8, 2023 10:00 a.m. - 11:30 a.m. You can join here.
4/07/23: CEC RFP-22-805 SB 100 Technical Support due
Note: CEC is hosting a pre-bid conference March 6 10:00 a.m. - 12:00 p.m. Zoom; 888 475 4499 | Webinar ID: 832 5043 4746 | Password: 391164
4/10/23: SDG&E RFA for Interested Organizations due re: Residential Equity Education and Outreach Request for Abstracts
5/01/23: CEC GFO-21-402 submissions due: CA Automated Permit Processing Program
9/01/23: SCE RFO due re: 2022 Catalina Island Clean Energy All-Source
- Note: The original submission date *was* May 1, 2023.

9/22/23: CEC GFO-20-305 - The Next EPIC Challenge

March '23: SCE anticipated release of RFP for "Local: Portfolio Gap-filling Solicitation – Scope TBD"

Ongoing: EE program 3P solicitation information and links found on the CAEECC Website

DOE: Funding Opportunity Exchange

©2023 Proprietary and Confidential. All Rights Reserved.

Capitol Update from the Council Lobbyists

Erin Niemela

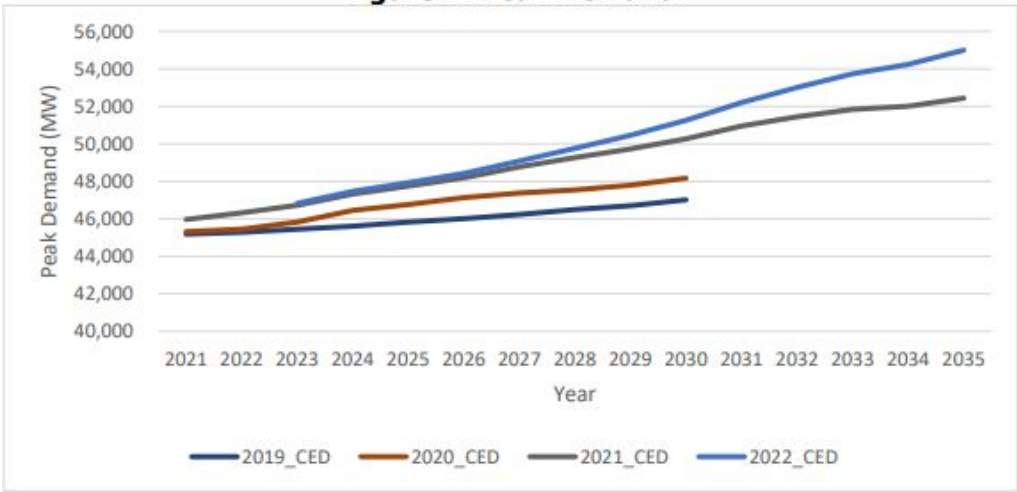
Tiffany Phan

©2023 Proprietary and Confidential. All Rights Reserved.

CEC: Diablo Canyon Power Plant Extension of Operation

- SB 846 (Dodd, 2022), in part, required the CEC to analyze the need to extend the operations of Diablo Canyon Power Plant through 2030.
- The CEC built its analysis off forecasted supply and demand. The CEC observes continued growth in demand over the next decade (electrification, state goals)
- Even with the CPUC's ordered additional procurement, the CEC recommends the continued operations of DCPP through at least 2030 to mitigate reliability risks.
- The CPUC will follow-up with its own analysis.

Figure 1: Peak Demand



©2023 Proprietary and Confidential. All Rights Reserved.

CEC: Adopts Clean Energy Reliability Plan ("CERIP")

- The Legislature also included in SB 846 the requirement for the CEC to build out and deliver a Clean Energy Reliability Investment Plan ("CERIP") to the Legislature.
- CERIP is a spending plan of up to $1 billion of yet-to-be appropriated funding for clean energy investments ot help accelerate the deployment of clean energy resources, support demand response, assist ratepayers, and increase energy reliability.
- The Council submitted an initial response to the CEC's RFI in November 2022 and a more recent response to the CEC's draft CERIP in February.

©2023 Proprietary and Confidential. All Rights Reserved.

CEC: Adopts Clean Energy Reliability Plan ("CERIP") (Cont)

- The CEC passed effectively the same CERIP as initially drafted.
- The final CERIP follows recommendations laid out by Governor Newsom for the first fiscal year funding cycle of $100 million:

Table 2: Funding Priorities by CERIP Program Year

Funding Priority	Proposed Funding 23/24	Proposed Funding 24/25	Proposed Funding 25/26	Proposed Funding Total
Planning and Enabling Structures to Support Clean Energy Deployment	$57	$5	$5	$67
Scaling Demand-side Resources	$0	$175	$270	$445
Scaling Supply-side Resources	$0	$150	$150	$300
Augmenting for Extreme Events	$33	$50	$50	$133
Administration[2]	$10	$20	$25	$55M
Total	$100	$400	$500	$1,000M

Source: CEC

Table 3: CERIP First Year Funding Priorities

Initiative	Proposed Funding
Planning and Enabling Structures to Support Clean Energy Deployment	
• Support critical planning studies, such as Transmission Corridor Planning, and implementing recommendations in the permitting roadmap for offshore wind resources.	$2M
• Improve processes and provide resources that support engagement and technical assistance for communities of concern	$8M
• Support DWR to standup a CPM	$32M
• Address barriers throughout the energy resource development process, including permitting and interconnection delays, for local and state agencies, and other appropriate entities	$15M
Augmenting for Extreme Events	
• Augment investments to support near-term electric system reliability, including during extreme weather conditions. This funding allocation will prioritize energy resources that can be deployed and available by June 2024. This may include additional funding for the DSGS Program or DEBA Program that support additional demand reduction opportunities in industries such as agricultural and water sectors.	$33M
Administration[6]	
Funding for administration and implementation costs at the CEC, including funding for increased staffing and technical support	$10M
Total	**$100M**

Source: CEC

©2023 Proprietary and Confidential. All Rights Reserved.

CEC: Adopts Clean Energy Reliability Plan ("CERIP") (Cont)

- The CEC also lays out suggestions for future funding through 2026 for a total of $1 billion, with the assumption that funding is preserved through future budgets:

Table 4: CERIP Year Two and Three Funding Priorities

Initiative	2023/24	2024/25	2025/26	Total
Planning and Enabling Structures to Support Clean Energy Deployment	$57M	$5M	$5M	$67M
Scaling Demand-side Clean Resources	$0	$175M	$270M	$445M
Scaling Supply-side Clean Resources	$0	$150M	$150M	$300M
Augmenting for Extreme Events	$33M	$50M	$50M	$133M
Administration[7]	$10M	$20M	$25M	$55M

©2023 Proprietary and Confidential. All Rights Reserved.

CPUC: E-5254 Draft Comment Resolution (Federal Funding Guidance)

- The CPUC issued draft Resolution E-5254 which would adopt procedural mechanisms for review and approval of Investor-Owned Utility cost recovery requests for Infrastructure Investment and Jobs Act ("IIJA") and other federal grant programs.
- Describes process by which the IOUs should seek to recover costs associated with matching funds and other costs associated with participation in the IIJA, the Inflation Reduction Act ("IRA"), and the Creating Helpful Incentives to Produce Semiconductors and Science Act (CHIPS).
- Provides direction on how IOUs should track project costs and taxes associated with grants awarded under the IIJA, IRA, and CHIPS.
- Establishes an Advice Letter tracking mechanism for IOUs to regularly report to Energy Division on planning, seeking, and implementation of IIJA, IRA, and CHIPS awards.
- IOUs and the CEC will also be competing for funding; the CPUC notes funding allocated to the CEC will generally flow to the IOUs anyways.

©2023 Proprietary and Confidential. All Rights Reserved.

E-5254 Draft Comment Resolution (Federal Funding Guidance) (Cont).

Quarterly Advice Letter Requirements

- For applications:
  - Status of applications submitted to DOE including time frame, the grant section number, and project name
  - Descriptions of projects proposed in grant applications, or anticipated use of funding, requested grant level
  - Identify partners on the applications
  - Assessment of future award opportunities including match requirements and the expected source(s) for any match funding

©2023 Proprietary and Confidential. All Rights Reserved.

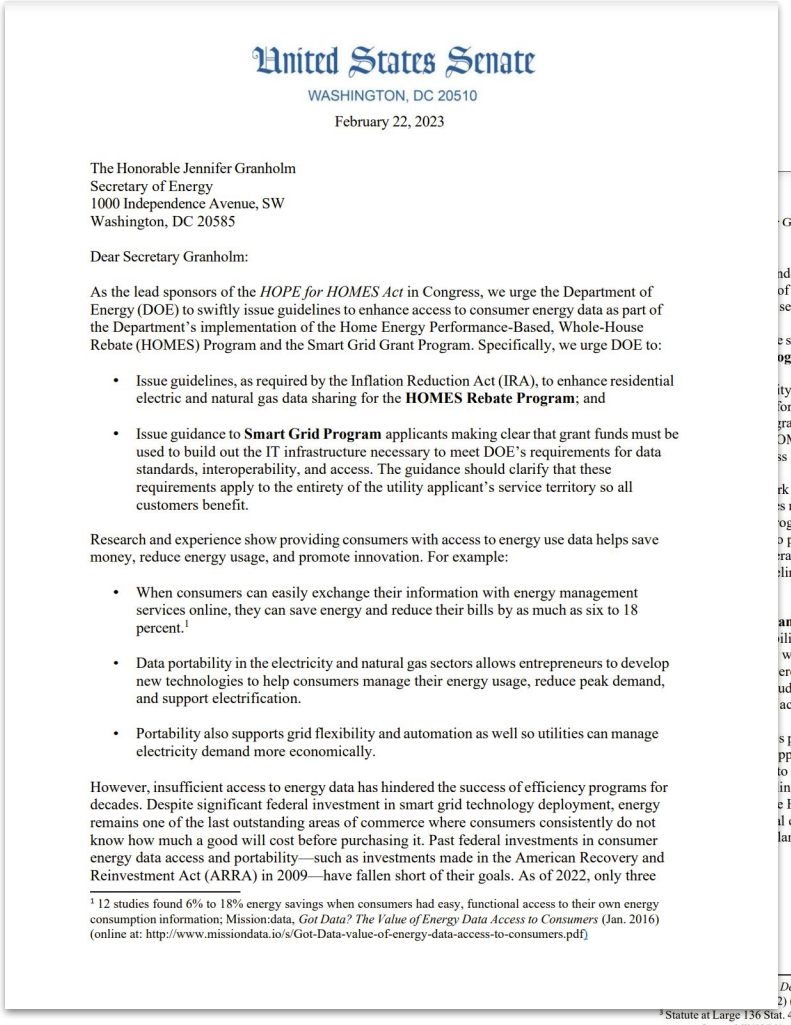
E-5254 Draft Comment Resolution (Federal Funding Guidance) (Cont).

- For awards:
  - A description of each awarded project
  - Project timeline and development status
  - Total award, funds expended and remaining, amount of ratepayer funding contributed, related match funding from other grants or programs, and grant or funding expiration date for any awards or matching awards
  - Related proceedings where the project may be reviewed or may be used to meet other criteria
  - An explanation of how the proposed project(s) maps to existing State priorities, including electric and gas customer rate and bill reductions, safety improvements, reliability enhancements and GHG emission reductions
  - Project status including any delays, challenges, or lessons learned
  - A narrative of costs incurred in alignment with the IIJA Memorandum Account
  - Identify if any projects are in State-designated disadvantaged communities or on Tribal lands

©2023 Proprietary and Confidential. All Rights Reserved.

Congressional Support for Energy Data Guidelines

- Issue guidelines, as required by the Inflation Reduction Act (IRA), to enhance residential electric and natural gas data sharing for the HOMES Rebate Program; and
- Issue guidance to Smart Grid Program applicants making clear that grant funds must be used to build out the IT infrastructure necessary to meet DOE's requirements for data standards, interoperability, and access. The guidance should clarify that these requirements apply to the entirety of the utility applicant's service territory so all customers benefit.



United States Senate

WASHINGTON, DC 20510

February 22, 2023

The Honorable Jennifer Granholm
Secretary of Energy
1000 Independence Avenue, SW
Washington, DC 20585

Dear Secretary Granholm:

As the lead sponsors of the *HOPE for HOMES Act* in Congress, we urge the Department of Energy (DOE) to swiftly issue guidelines to enhance access to consumer energy data as part of the Department's implementation of the Home Energy Performance-Based, Whole-House Rebate (HOMES) Program and the Smart Grid Grant Program. Specifically, we urge DOE to:

- Issue guidelines, as required by the Inflation Reduction Act (IRA), to enhance residential electric and natural gas data sharing for the **HOMES Rebate Program**; and
- Issue guidance to **Smart Grid Program** applicants making clear that grant funds must be used to build out the IT infrastructure necessary to meet DOE's requirements for data standards, interoperability, and access. The guidance should clarify that these requirements apply to the entirety of the utility applicant's service territory so all customers benefit.

Research and experience show providing consumers with access to energy use data helps save money, reduce energy usage, and promote innovation. For example:

- When consumers can easily exchange their information with energy management services online, they can save energy and reduce their bills by as much as six to 18 percent.[1]
- Data portability in the electricity and natural gas sectors allows entrepreneurs to develop new technologies to help consumers manage their energy usage, reduce peak demand, and support electrification.
- Portability also supports grid flexibility and automation as well so utilities can manage electricity demand more economically.

However, insufficient access to energy data has hindered the success of efficiency programs for decades. Despite significant federal investment in smart grid technology deployment, energy remains one of the last outstanding areas of commerce where consumers consistently do not know how much a good will cost before purchasing it. Past federal investments in consumer energy data access and portability—such as investments made in the American Recovery and Reinvestment Act (ARRA) in 2009—have fallen short of their goals. As of 2022, only three

[1] 12 studies found 6% to 18% energy savings when consumers had easy, functional access to their own energy consumption information; Mission:data, *Got Data? The Value of Energy Data Access to Consumers* (Jan. 2016) (online at: http://www.missiondata.io/s/Got-Data-value-of-energy-data-access-to-consumers.pdf)

https://www.welch.senate.gov/wp-content/uploads/2023/02/20230222_Senators-Welch-and-Van-Hollen_Consumer-Energy-Access-and-Sharing-Letter.pdf

©2023 Proprietary and Confidential. All Rights Reserved.

HOMES / HEEHRA

Home Owner Managing Energy Savings (HOMES) Rebate Program

- About $292 million to be allocated for California.
- Performance-based rebates for whole-house energy efficiency upgrades for single-family homes and multifamily buildings.
- Up to $8,000 per rebate ($400,000 for a multifamily building) depending on energy savings and household income.
- Eligible applicants: homeowners or aggregators.

High-Efficiency Electric Home Rebate Program (HEEHRA)

- About $290 million to be allocated for California.
- Point-of-sale rebates for purchase and installation of qualified Energy Star appliances such as electric heat pumps for space heating and cooling. Includes rebates for panel upgrades, wiring, and insulation.
- Up to $14,000 per rebate
- Limited to households below 150% of area median income.
- Eligible applicants:
    - Low- or moderate-income (LMI) households.
    - Owners of eligible LMI multifamily buildings.
    - Gov't, commercial, or nonprofit entity carrying out a project for an eligible household or owner of an eligible MF building.

Expected Timeline for California IRA Residential Energy Rebates

- 2022 (December): U.S. DOE issued a Request for Information for Contractor Training
- 2023 (January): U.S. DOE issued a Request for Information for HOMES and HEEHRA
- 2023 (Q1/Q2/Q3): CEC workshops & program development
- 2023 (Spring): Guidance and funding available to States and Tribes for Contractor Training
- 2023 (Summer): Guidance and funding available to States and Tribes for Rebates
- 2024: Programs launched; rebates available to the public

©2023 Proprietary and Confidential. All Rights Reserved.

Other Federal Activities

The Council engages in federal activities through several different channels. One of those channels is the Energy Efficiency Strategy Group ("EESG"). Through spring we will be working with that group on *at least* the following issues:

Comment Notice Links

- DOE RFI – IRA HOMES/HEEHRA – Due 3/3
- DOE SNOPR Clean Energy for New Federal Buildings and Major Renovations of Federal Buildings – Now Due 3/23
  - Reopening of Comment Period Notice

Other Federal Program Links

- DOE FOA – IIJA Grid Resilience Innovative Partnership (GRIP) program
  - Smart Grid – Applications Due 3/17/23 - FedConnect; Program Overview; Fact Sheet
- DOE FOA – IIJA Building Codes
  - Applications Due 3/27/23; EERE Exchange
- USDA – Rural Energy for America Program (REAP) RE/EE Loans & Grants
  - FY23 Fundings Applications Due 3/31/23
- DOE FOA – BTO BENEFIT 22/23
  - Applications Due 4/5/23; EERE Exchange
- DOE FOA – IIJA Grants for EE Improvements in Schools
  - Applications Due 4/21/23; EERE Exchange; PR
- DOE FOA – IIJA Energy Efficiency Revolving Loan Fund Capitalization Grant Program
  - State applications Due 4/21/23; FAQs; Allocations
- DOE ALRD – IIJA Energy Efficiency Conservation Block Grant (EECBG) Program
  - Grant Hub; PR
- DOE – IRA Home Energy Rebate Programs (HOMES & HEEHRA)
  - Allocations
- DOE – IIJA Energy Improvements in Rural or Remote Areas
  - Upcoming $300M FOA Announcement; $15M Energizing Rural Communities Prize Pre-Registration

Other Links

- CEQ Federal Building Performance Standard
- EESI Congressional Climate Camp 2023 Briefing Series
- BCSE/Bloomberg NEF 2023 Sustainable Energy in America Factbook (3/1 Release Event, 3/15 Briefing w/EESI)

©2023 Proprietary and Confidential. All Rights Reserved.

Quick Updates

- The Council submitted the following filings and one comment letter since our last Monthly Member Readout:
  - March 1 – CPUC R.21-10-002 Joint Party Comments re: ALJ's Ruling on Corrected Version of CEC Report
  - February 24 – CPUC R.21-10-002 Joint Party Comments re: Implementation Track Phase 3 Proposals
  - February 17 – Council Comments and Response to 12723 DSGS and DEBA Presentation Questions 21723
  - February 16 – Council Response to CEC Notice of Availability and Request for Comments on the Draft CERIP
  - February 15 – Joint Letter re: Energy Star Fiscal Year 2024 Funding Recommendations
  - February 6 – ALs 4950-E (SCE) 6826-E (PGE) 4142-E (SDGE) Joint Parties Response
  - February 3 –22-MISC-003 Council Comments on CEC Commissioner Workshop on Energy Data Modernization and Analytics (January 13)

  - You can track the Council's filings here and testimony + statements here in addition to your Member Portal
- The Council and select Members will be participating as a panel at the CPUC's upcoming EE 3P Solicitations Stakeholder Meeting on March 16.

©2023 Proprietary and Confidential. All Rights Reserved.

Discussion & Q&A

Thank You!

Please contact us if you have any questions.

Joe Desmond – jdesmond@cedmc.org
Clark McIsaac – cmcisaac@cedmc.org
Kira Kimick – admin@cedmc.org

www.cedmc.org

Next Monthly Member Readout: April 7

©2023 Proprietary and Confidential. All Rights Reserved.