CALIFORNIA

Efficiency + Demand Management

COUNCIL

Advancing Our Clean Economy

Monthly Member Readout

March 1, 2024

REC

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Today's Agenda

Council News

- EM&V Forum Recap
- 2024 Council Filings - February
- Solicitations*

Issues/Topics

- CPUC Energy Efficiency Third Party Solicitation Stakeholder Meeting 2.29.2024
  - CPUC Resources for Third-Party Implementers
  - IOU Solicitation Plans
- Opening comments on draft revised NMEC rulebook
- Joint CAISO policy proposals
- Joint comments on SGIP proposed decision
- IGFC Update

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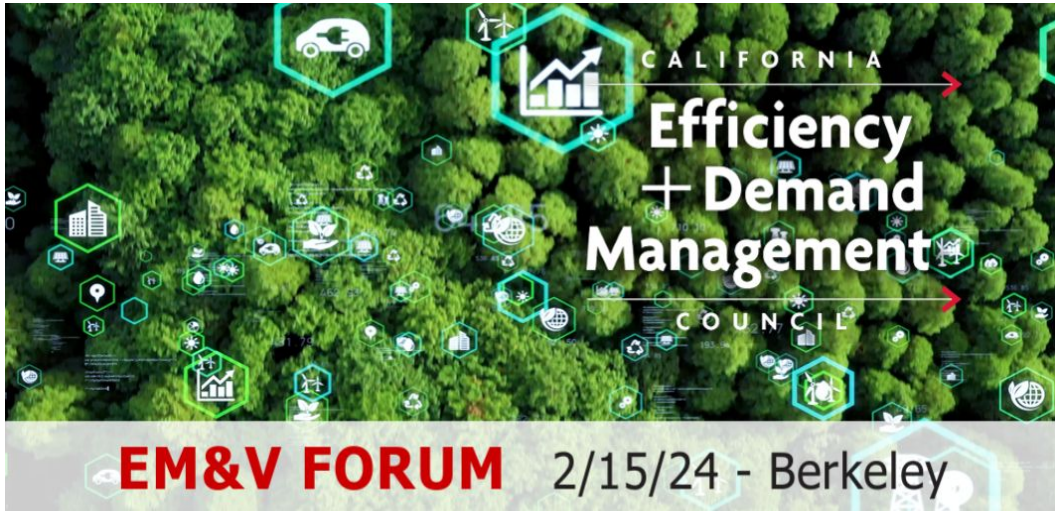
Evaluation, Measurement & Verification (EM&V) Forum

Recap

- February 15, 2024
- David Brower Center, Berkeley, CA
- In-Person only

Website:

https://cedmc.org/events/emv-forum/



"A paradigm is a framework containing the basic assumptions, ways of thinking, and methodology that are commonly accepted by members of a scientific community or discipline." (dictionary.com).

Join us on Thursday, February 15th at the David Brower Center in Berkeley for the Council's Annual EM&V Forum. This year's theme is ***Changing Paradigms to Achieve California's Clean Energy, Decarbonization, and Equity Goals.***

The EM&V Forum brings together EM&V, data science, and implementation professionals from across the energy efficiency, demand response, and DER communities to explore critical technical topics that are essential for addressing California's clean energy policies.

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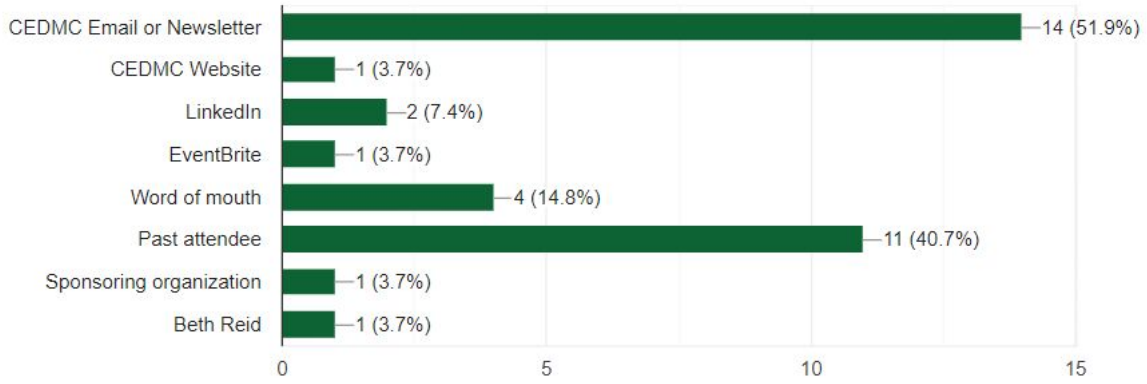
EM&V Forum - Highlights

1. How did you hear about the EM&V Forum? (Check all that apply)

Copy

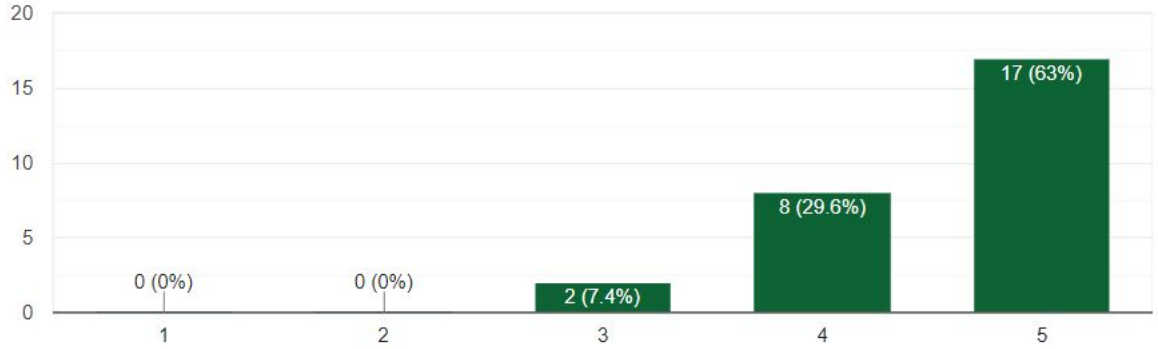
27 responses



2. Using a scale of 1 to 5, how likely are you to recommend the next CEDMC event to a colleague?

Copy

27 responses



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EM&V Forum - Highlights

4. Based on the Forum activity you attended, please rate the following:

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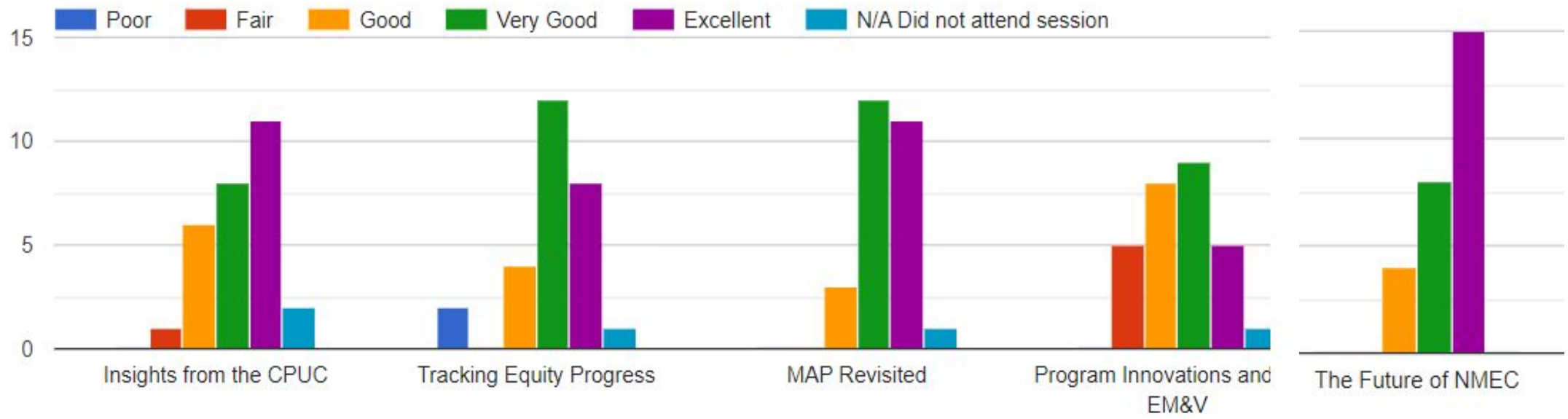

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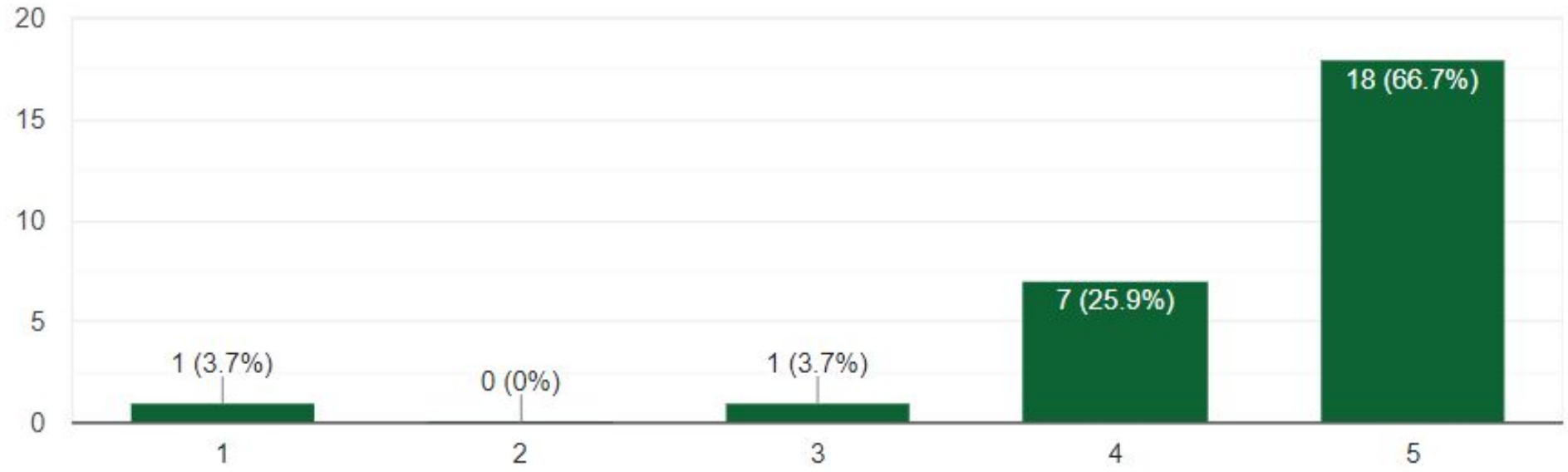
EM&V Forum - Highlights

6. For those who attended in person, please rate the overall quality of today's experience at the David Brower Center

Copy

27 responses



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2024 Council Filings - February

February 27 – R.13-11-005 (EE) Council Opening Comments on NMEC Ruling

February 27 – R.20-05-012 (SGIP) Joint Parties Reply Comments on Proposed Decision

February 22 – R.20-05-012 (SGIP) Joint Parties Opening Comments on Proposed Decision

February 5 – CEDMC Comments on CEC Staff Proposed Modifications to the Demand-Side Grid Support Program

2024 Council Filings - January

January 31 – CEDMC Comments on January 17 Load Management Standards Workshop

January 26 – CEDMC Response to CEC RFI on the Inflation Reduction Act Home Energy Rebates

January 24 – R.22-07-005 (Demand Flexibility) Council Opening Comments on ALJ Ruling

January 19 – R.23-12-008 (TE) Joint Parties Opening Comments on OIR

January 19 – R.23-10-011 (RA) CEERT and Council Track 1 Proposal

January 16 – A.23-01-004 (SoCalGas Gas DR) Council Reply Comments on PD

January 10 – A.23-01-004 (SoCalGas Gas DR) Council Opening Comments on PD

January 5 – R.22-07-005 (Demand Flexibility) Joint Parties Opening Comments on PD

January 5 – CEDMC Comments on Day-Ahead Sufficiency Issue Paper

Open Solicitations - Federal

-

Federal Program Links

- DOE FOA – Energy Auditor Training Grant Program
  - Concept Papers **Due 3/28/24**; Applications **Due 6/28/24**
- DOE FOA IIJA FY24/25 Grid Resilience and Innovation Partnerships (GRIP) Program
  - Applications **Due 4/17/24 & 5/22/24**
- DOE FOA – Assistance for Latest and Zero Building Energy Code Adoption (competitive funding)
  - Concept Paper **Due 2/9/24**; Applications **Due 4/30/24**
- DOE Technical Assistance for the Adoption of Building Energy Codes (formula funding)
  - Applications **Due 9/30/25**
- DOE FOA – Building Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) 2024
  - Applications **Due 3/5/24**
- DOE FOA – IIJA Assisting Federal Facilities with Energy Conservation Technologies (AFFECT Grants)
  - Phased Submission Deadlines for Federal Agencies – **Spring 2024 Due 4/19/24**
- HUD Green and Resilient Retrofit Program (GRRP)
  - GRRP Elements **Due 3/28/24**, GRRP Leading Edge **Due 4/30/24**, and GRRP Comprehensive **Due 5/30/24**
- DOE – IRA Home Energy Rebate Programs
- DOE – Energy Efficiency and Conservation Block Grant (EECBG) Program

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Other Links

-

- AnnDyl Policy Brief:
  - The Residential Capital Stack: Maximizing Impacts of HOMES, HEEHR, 25C Tax Credit, WAP, and Utility Programs for Existing Single-Family Homes
- BlueGreen Alliance Resources:
  - Executive Summary of PERI Report: Employment Impacts of New US Clean Energy, Manufacturing, and Infrastructure Laws
  - Making Clean Energy Tax Credits Deliver for the Public: A User Guide for Governments, Schools, and Nonprofits
  - Domestic Content Bonus for Clean Energy Tax Credits
  - Roadmap to Navigating Federal Funding for Public Buildings
- E4TheFuture:
  - Energy Efficiency Jobs in America
- IMT Blog:
  - A Federal Definition of Net Zero Emissions Buildings
- NRDC Blog:
  - Energy Efficiency Matters Now More Than Ever (summarizes LBL/Brattle report on decarbonizing US buildings)
  - How Efficiency Will Help Get Us to Net Zero by 2050
- USGBC Resources:
  - State of Decarbonization: Progress in U.S. Commercial Buildings 2023

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Issues/Topics

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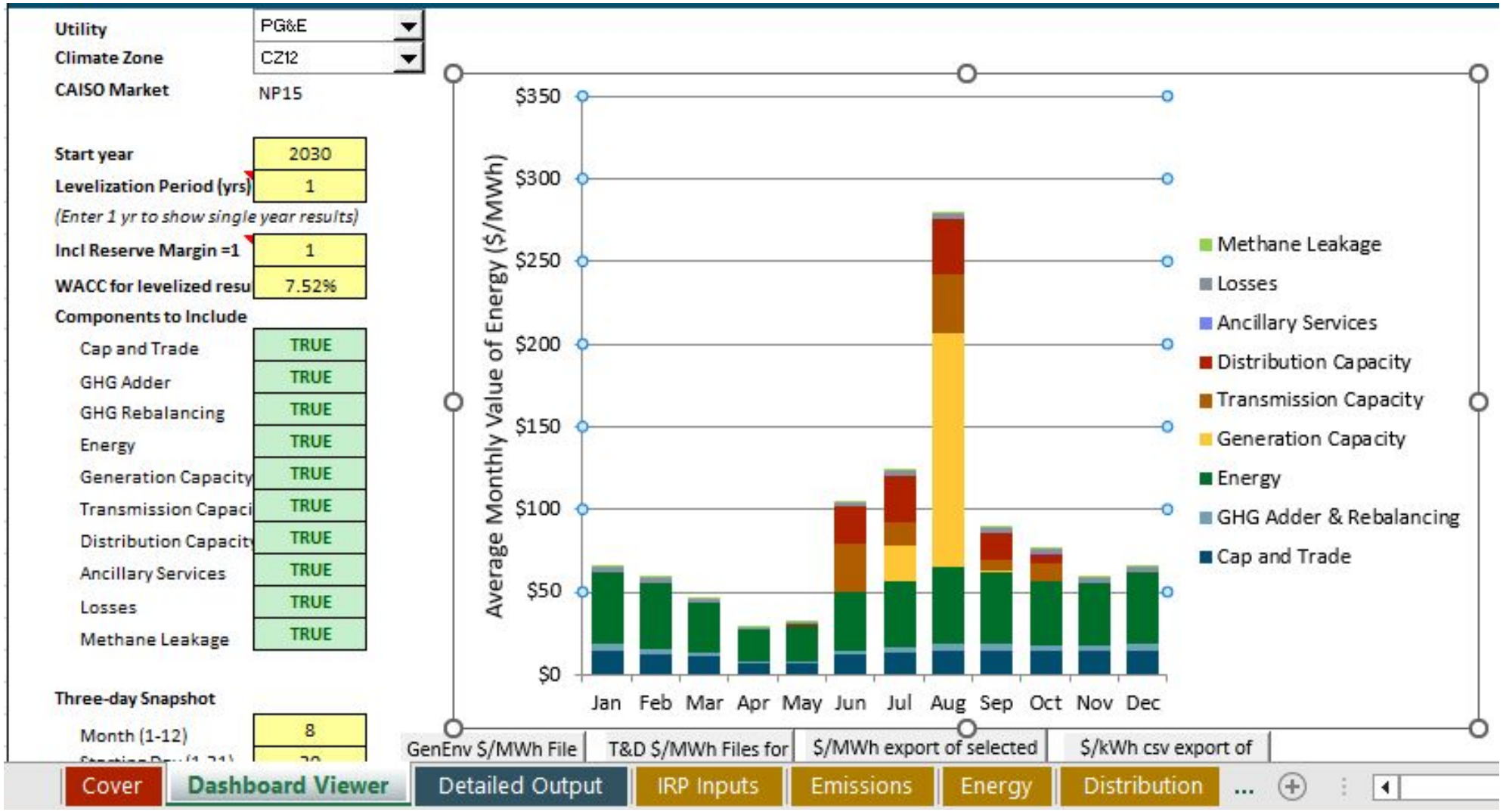
CPUC Resources for Third-Party Implementers
&
IOU Solicitation Plans

Energy Efficiency Third Party Solicitation Stakeholder Meeting
February 29, 2024

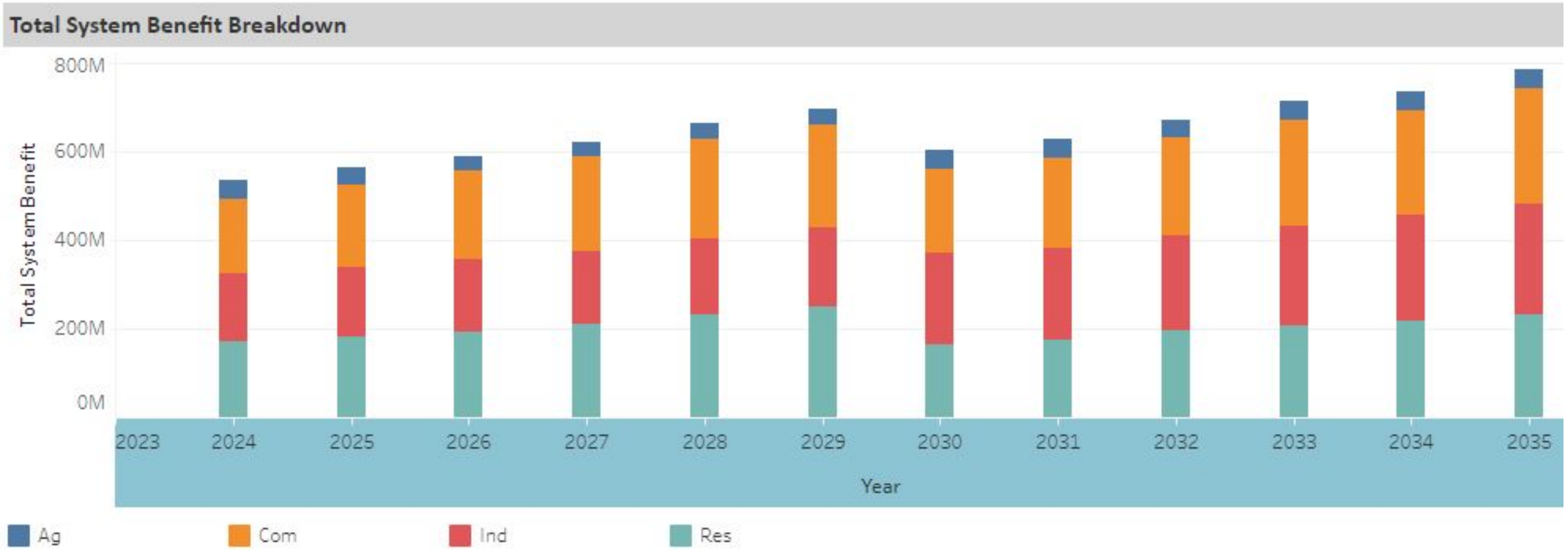
Avoided Cost Calculator (ACC)

- Total System Benefit (TSB) is calculated using the Avoided Cost Calculators
- The ACC is updated biennially in even years, typically adopted by early fall
- There are separate ACCs for gas, electric, and refrigerants
  - The Electric ACC is the hourly avoided costs per component of electricity including Generation Capacity, Energy, Transmission & Distribution Capacity, Ancillary Services, Renewable Portfolio Standard, Greenhouse Gas, High Global Warming Potential Gases (i.e., methane)
  - The Gas ACC is used for the evaluation of EE programs that impact natural gas usage. The model is a representation of gas avoided costs (commodity and T&D capacity)
  - The Refrigerant ACC calculates the avoided costs of refrigerant leakage for devices containing a refrigerant, when refrigerant type or amount is changed or a device is replaced early
- Resources for the ACC: 2022 Avoided Cost Calculator, 2024 ACC Update, CPUC Proceeding R.22-11-013; CPUC Standard Practice Manual

2022 Electric ACC Dashboard



2023 Potential and Goals Study: Public Facing Dashboard



Source: 2023 PG Study Results Viewer v2.0 | Tableau Public Final Decision: D.23-08-005
Final
Report: cpuc.ca.gov/-/media/cpuc-website/divisions/energy-division/documents/energy-efficiency/2023-potential-goals-study/final-2023-group-e-pg-study-report.pdf

Ways to Participate in CPUC Processes

- **How to Track Issues of Interest (Service List)** (R.13-11-005)
  - Including workshops notices, application filings, decisions
  - Email **process_office@cpuc.ca.gov**
  - CPUC website with further information is linked here

- **How to Become a Party to a Proceeding** (R.13-11-005)
  - Formal way to participate in a proceeding and provides the most potential to impact the outcome of CPUC proceedings
  - CPUC Brochure is linked here and CPUC Website is linked here

- **Accessing the CPUC Docket Card**
  - Information and evidentiary records for CPUC proceedings
  - CPUC website Proceedings and Rulemaking Docket Card
  - Docket Card is linked here | Enter proceeding number R1311005

Other Demand Side Resource Programs

- **Energy Savings Assistance Program (ESA)**
  - Providing no-cost weatherization services to consumers who meet the CARE income limits | More information is linked here
- **CPUC Demand Response (DR) Resources**
  - DR is a way for customers to help California manage its electricity demand | More information is linked here
- **Building Decarbonization Resources**
  - Goal of reducing greenhouse gas emissions from buildings | More information is linked here
- **Self-Generation Incentive Program**
  - Provides rebates for qualifying distributed energy systems installed on the customer's side of the utility meter | More information is linked here

Publicly Facing Third Party Solicitations Materials

- Joint IOU Solicitation Timeline (February 2024)
  - Scheduled stages of solicitations, past and future
- Third-Party Implementers Table (February 2024)
  - Executed contracts, with date of execution and associated advice letters
- Energy Efficiency Third-Party Solicitations Dynamic Schedule (February 2024)
  - Gantt chart schedule showing milestone dates
- California Energy Data and Reporting System Program List
  - Filter for Third-Party Solicited programs
  - Shows expenditures, budgets, claimed savings, Implementation Plans

IOU Presentations

For anonymous questions:
Gillian.Weaver@cpuc.ca.gov

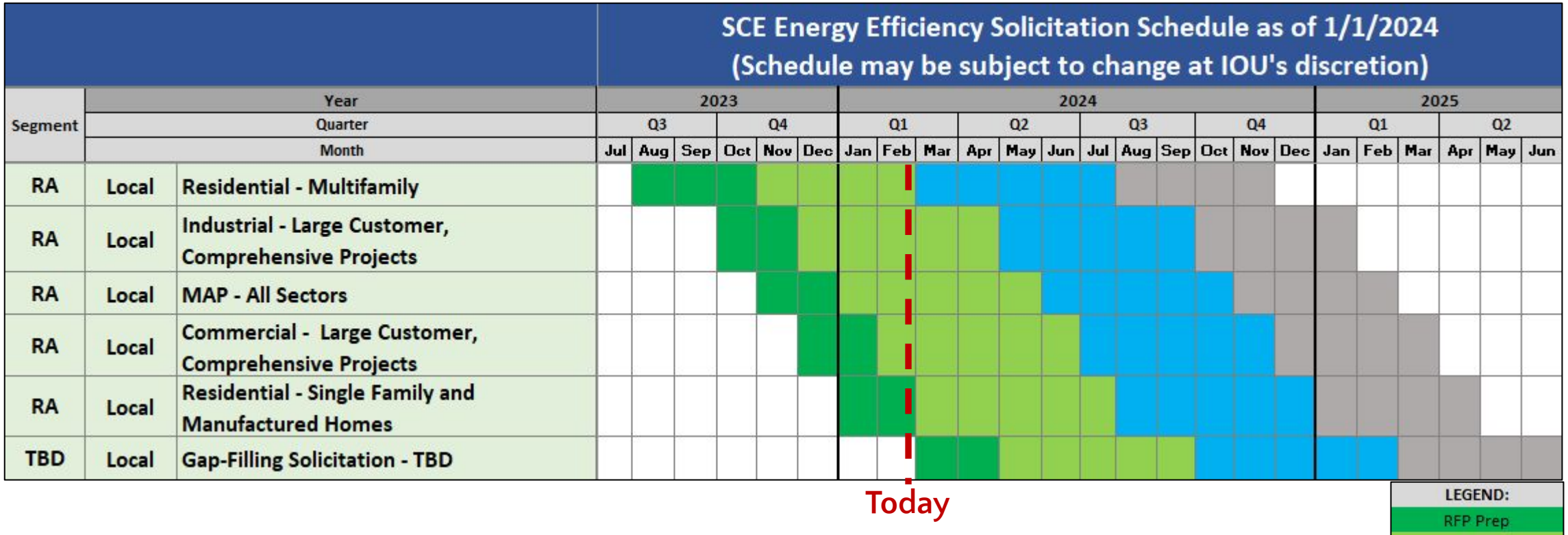
SCE Solicitations
EE Stakeholder Forum

February 29, 2024

Energy for What's Ahead®

SOUTHERN CALIFORNIA EDISON®

SCE Solicitation Schedule Updates



4 Solicitations in-flight:

- Residential Multifamily
- Industrial Large Customer
- Market Access Program
- Commercial Large Customer

Negotiations
Evaluating Bids
Accepting Bids
Accepting Bids

2 Upcoming Solicitations:

- Residential Single Family and Manufactured Homes
- Gap-Filling – Sector(s) and Segment(s) - TBD

SCE Process Improvements (Contract Changes)

- Improved cash flow for Implementers, establishing pay for (implementer-defined) deliverables.
- Reduced initial capital requirements and financial obligation with removal of Performance Assurance and Collateral.
- Improved flexibility in Offer Workbook, allowing bidders to submit a compensation model aligned with the proposal.
- Payment calculations simplified to align with Total System Benefit (TSB).

SCE Process Improvements (Other Changes)

- Added a Small Business Enterprise (SBE) adder to RFA/RFP valuation to encourage SBE participation.
- Solicitations are 1-stage by default, with use of 2-stage as appropriate.
- Co-Branding Opportunities.
- Account Manager support included for basic services.
- Revisited RFP solicitation materials with Independent Evaluator pool input.
- Increased Solicitation Marketing and Outreach activities.
- Streamlined Bidders' Conference.
- More targeted/specific feedback in Bidder debrief sessions; includes asking bidder for feedback.

EE 3PP STAKEHOLDER FORUM

February 29, 2024

SoCalGas

2024 Solicitation Schedule

IOU	Year		2024											
	Quarter		Q1			Q2			Q3			Q4		
	Month		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
SoCalGas	Local - Residential Commercial	Market Access Program												
SoCalGas	Local - Commercial	WE&T Youth Outreach Program												
SoCalGas	Local - Residential	Innovation Design for EE Activities												

- ❑ Market Access Program for commercial and residential, a one -stage solicitation.
- ❑WE&T Youth Education Outreach, a one-stage solicitation.
- ❑The IDEEA 365 is a recurring competitive procurement process.
  - ❑In 2024, SoCalGas plans to release three separate IDEEA solicitations, a one-stage solicitation.

Solicitation Strategy Post 60%

- **SoCalGas plans to:**
  - renew or recompete when contract terms are up,
  - measure success and cost-effectiveness, and
  - retain diversity and growth of market players in the EE program.

- The activities necessary for establishing the structure to assure implementation plan compliance, includes preparing SoCalGas specific procedures utilized for contract performance review.
  - A Key Performance Index (KPI) reports are in place to control and monitor the program implementation details, scope, budget, and schedule.
  - SoCalGas along with its respective business partners validate the flow of information in an accurate and timely manner, for meeting the overall program implementation plan.
  - Variance explanations are provided based on established budgets, scope, schedule, and both parties are then asked to review the report.
  - Where appropriate, corrective action plans are put in place.

Solicitation Forecast

Solicitations Anticipated to Be Released if Determined to be Re-bid

2025	2026	2027
• Local - Residential Manufactured Housing • Local - Commercial Small & Medium Commercial • Local - Cross Cutting IDEEA365 • Local - Cross Cutting Behavioral • Statewide - Commercial Point of Sale Food Service • Statewide - Commercial Midstream Water Heating • Statewide - Cross Cutting Gas Emerging	• Local - Residential Single Family • Local - Residential Multifamily • Local - Commercial Large Commercial • Local - Public Public Sector • Local - Residential Multifamily Whole Building • Local - Cross Cutting Outreach • Local - Cross Cutting IDEEA365	• Local - Industrial Segment Solutions • Local - Cross Cutting IDEEA365 • Local - Cross Cutting Marketplace • Local - Cross Cutting Other Market Support Solicitations

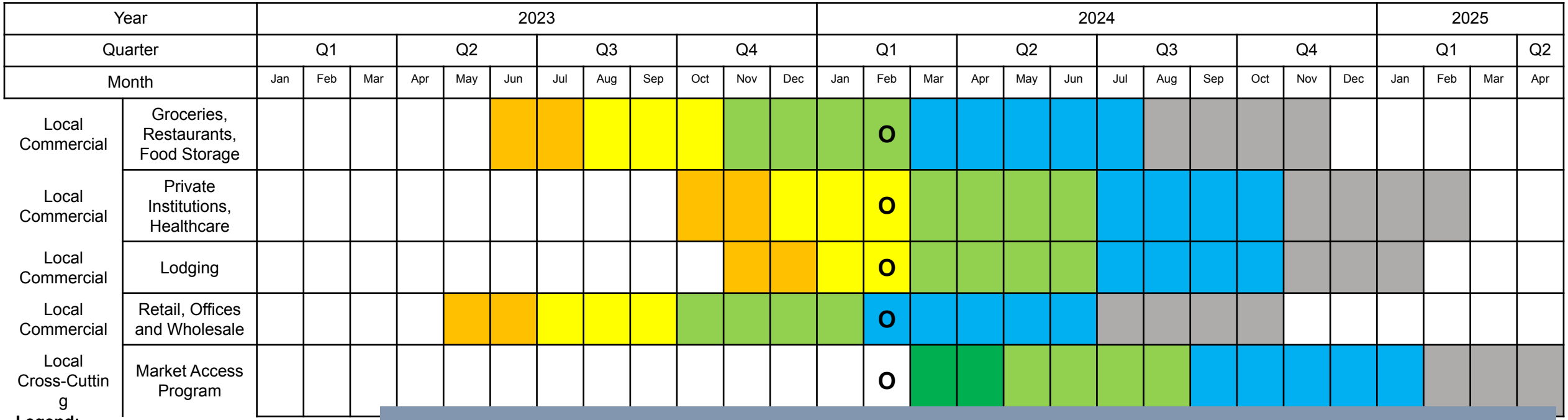
Solicitation Process Improvements

- Distributed notes after each negotiation session.
- Utilized bidder interview sessions to clarify bidder proposal elements.
- Timely debriefing sessions – immediately following proposal
- Utilized excel based comment tracker during negotiation
- Revising the language in the RFP main document about SCG financial assessment process
- Implemented one-stage solicitation
- Increased participation of small bidders via IDEEA365 program, an ongoing offering to capture innovative new program proposals

2024 Energy Efficiency Third-Party Stakeholder Forum

February 29, 2024

SDG&E 2023 – 2025 Solicitation Schedule*



Legend:

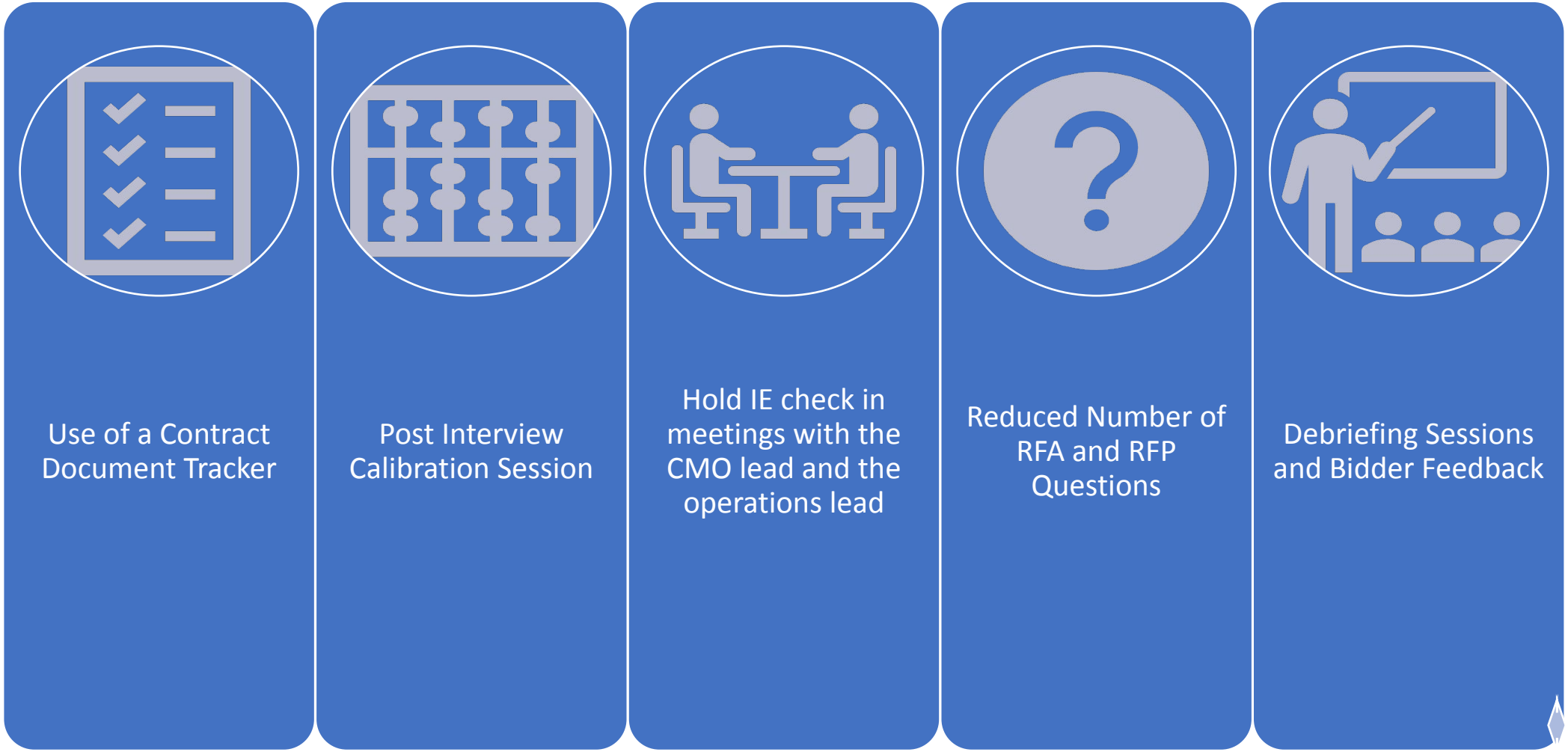
- RFA Prep
- RFA
- RFP Prep
- RFP
- Contract Negotiation
- AL (if applicable) + Approval + IP

Areas of focus:

- Getting the 4 new local commercial programs through the solicitation schedule
- Assessing programs with contract expirations in 2024 and 2025 (SF, MF, HVAC, PLA, Federal)
- Market Access Program RFP Prep to begin in March 2024
- All local commercial program solicitations will be 2-stage while MAP will be 1-stage

*Subject to change, pending any modifications and/or approvals from the Commission related to SDG&E's Energy Efficiency program administration.

SDG&E 2023 Process Improvements



PG&E Presentation to Third-Party Stakeholder Forum

February 29, 2024

Matthew Braunwarth – Manager, EE Procurement

Together, Building a Better California

2024 Solicitation Schedule

Year		2024											
Quarter		Q1			Q2			Q3			Q4		
Portfolio Segment	Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Codes & Standards	SW CODES & STANDARDS ADVOCACY RFP - Wave 2	Contracting		AL		IP							
Codes & Standards	CODES & STANDARDS CODE READINESS RFP	Contracting				AL		IP					
Resource Acquisition	2024 SUMMER RELIABILITY PLATFORM ADMINISTRATOR RFP	Contracting				AL	IP						
Equity	ZONAL ELECTRIFICATION (Residential & Commercial) RFP	Contracting				AL		IP					
Equity	RESIDENTIAL ELECTRIFICATION EQUITY RFA/RFP	Contracting								AL		IP	
Market Support	RESIDENTIAL WHOLE HOME LOAD MANAGEMENT (ResCEO) RFP	RFP		Contracting							AL		IP
Resource Acquisition	COMMERCIAL ENERGY MANAGEMENT (SEM Expansion) RFP	RFP			Contracting						AL		IP
Market Support	RESIDENTIAL MARKET SUPPORT (Single Point-of-Contact) RFP	RFP	PREP	RFP			Contracting				AL		IP

PG&E has been focused on launching new programs in the areas of:

- Equity
- Electrification
- Load Management
- Summer Reliability
- SEM-Expansion
- Codes & Standards

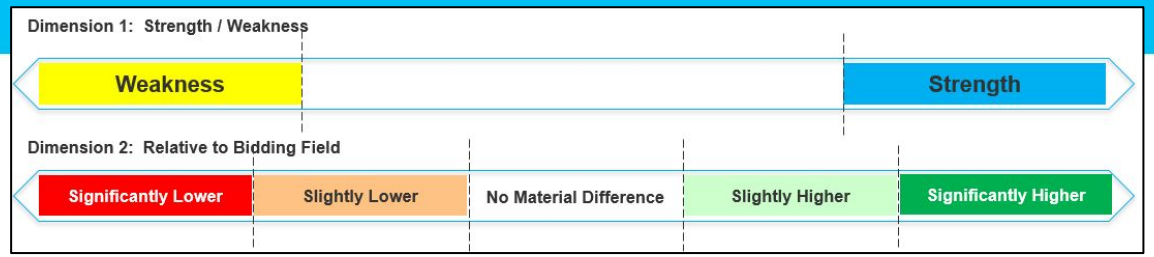
Upcoming Solicitations:

- Residential Single-Point-of-Contact

Potential Future Focus Areas:

- Customer Resiliency (Residential & Public)

Process Improvements



Maintaining Bidder Feedback Process:

- Continuing with 2-Factor Feedback Sessions
- Feedback provided on each scoring sub criteria
- Feedback offered to all participants in RFA (advancing and non-advancing)

Solicitation Process Improvements noted in recent IE Semi-Annual Report:

- RFI – Used Request for Information (RFI) to help inform future RFP design
- Background Info – Provided deeper context of new pilot program subject matter
- NMEC – Provided NMEC “Dos & Don’ts” in Bidder Conference
- Interview Prep – Improved internal team training for interviews

Focus Areas of Future Process Improvements:

- Simplify / Streamline / Shorten Contracting Process
- Continued focus on streamlining 1-Stage Process

CPUC's Energy Efficiency Team - 2024 Look Ahead

February 15, 2024

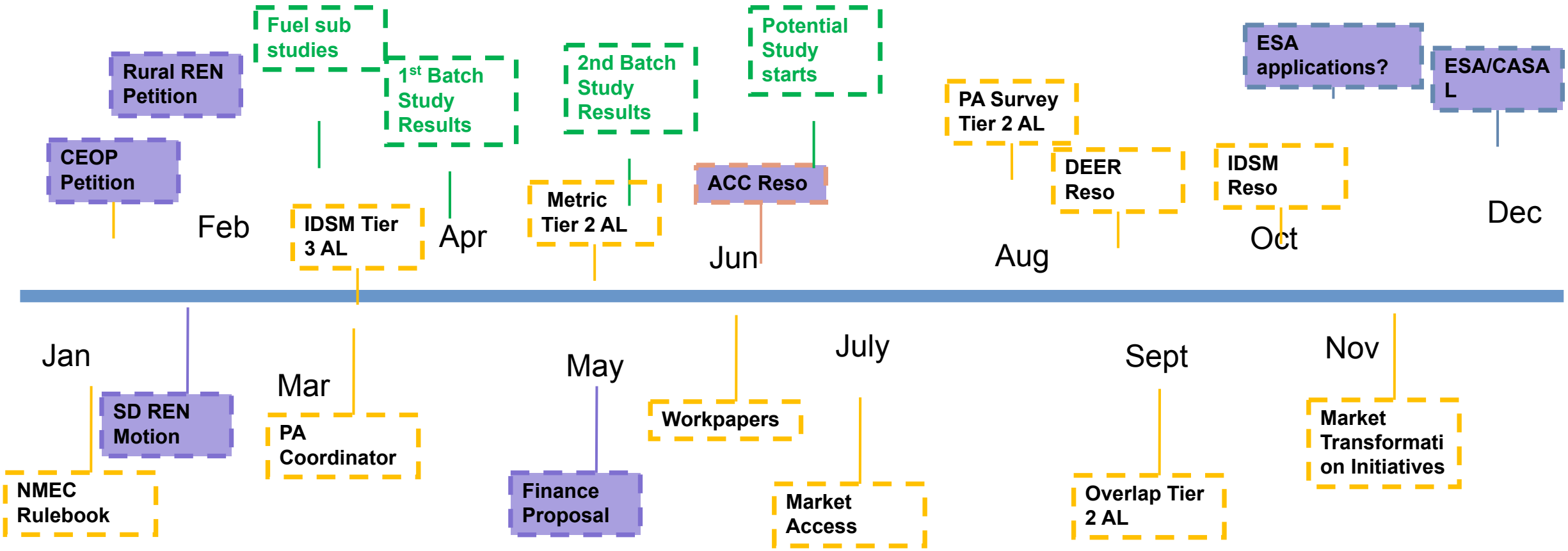
Jeorge Tagnipes

CEDMC EM&V Forum

2024

Custom Project Review – on going

Data and Reporting - ongoing



14 On-going or New Solicitations in 2024

Three Department of General Service RFPs

Q1 2024

- ETP Deep Dive Report
- ETP Historical Analysis Report
- VEA Studies
- Commercial EUL
- ME&O Integrated Evaluation Report
- Workforce Standards

Q2 2024

- PY2022 REN Impact Evaluation
- PY2022 Commercial 3P Impact Evaluation
- PY2022 Local 3P Impact Evaluation
- PY2022 CIAC Impact Evaluation
- PY2020/2021 SEM Impact Evaluation
- SEM Expansion Study
- PY2020-22 Site-Level NMEC
- Finance Go Green Evaluation Report

Q1 2024

- ETP Deep Dive Report
- ETP Historical Analysis Report
- VEA Studies
- Commercial EUL
- ME&O Integrated Evaluation Report
- Workforce Standards

Q2 2024

- PY2022 REN Impact Evaluation
- PY2022 Commercial 3P Impact Evaluation
- PY2022 Local 3P Impact Evaluation
- PY2022 CIAC Impact Evaluation
- PY2020/2021 SEM Impact Evaluation
- SEM Expansion Study
- PY2020-22 Site-Level NMEC
- Finance Go Green Evaluation Report

Q3 2024

- WE&T Installation Improvement Study
- WE&T Career Workforce Readiness Energize Careers Report
- WE&T Water Heating Study
- ME&O Performance Analytics Results Memo
- ME&O Summer Residential Behavioral DR ME&O Effectiveness Research Report
- Market Access Process Evaluation
- Third party Equity
- Statewide Commercial Water Heating Impact Evaluation

Opening comments on draft revised NMEC rulebook

- On 2/29, the Council filed opening comments on proposed revisions to the Normalized Metered Energy Consumption (NMEC) rulebook
- Key points
  - Some proposed changes appear to be policy changes that should not be included within a document of technical updates
  - The Commission should wait to update the NMEC rulebook until process and impact evaluations can be completed
  - The rules governing NMEC should be kept simple and remain free from unnecessary complexity; should also avoid adding new upfront requirements
  - Predictable and transparent timelines are needed for the Custom Project Review process to ensure projects are moving forward
  - CPUC should provide guidance on whether rejected proposed revisions would be considered in the future
  - ¨Below-code¨savings achieved through Normal Replacement measures under an NMEC project do not constitute free ridership
- Next steps: Proposals to be vetted with stakeholder feedback considered; final cuts in May

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Joint CAISO Policy Proposals

- On 2/28, the Council, Leap, and OhmConnect submitted 2 joint proposals to the CAISO as part of its annual policy initiatives process

- Proposal 1 - Device-Level Metering
  - Problem: Reliance on smart meter data has hindered the use of smart devices in DR
  - Proposal: Modify the CAISO Demand Response Registration System (DRRS) to accommodate device-level locations rather than Service Account-specific locations and measure performance at the device level
  - Benefits: Add up to 4 GW of DR capacity to the grid

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Joint CAISO Policy Proposals (cont.)

- On 2/28, the Council, Leap, and OhmConnect submitted 2 joint proposals to the CAISO as part of its annual policy initiatives process

- Proposal 2 - Modified Proxy Demand Resource (mPDR)
  - Problem: BTM energy storage capacity is limited to site load from a Resource Adequacy valuation standpoint b/c performance is measured at the customer meter
  - Proposal: Measure performance at the aggregate PDR level as long as PDR net load is greater than 0
  - Benefits¨Add approx. 600 MW of residential BTM energy storage and potentially far greater amounts of EV export capacity to the grid
- Next steps: Proposals to be vetted with stakeholder feedback considered; final cuts in May

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Joint comments on SGIP proposed decision

- On 2/22, the Council, Leap, and OhmConnect filed joint opening comments on the CPUC's 2/2 proposed decision that, among things, would adopt a DR participation requirement for participants in the Self-Generation Incentive Program (SGIP) and reallocate unused budget from the Generation category to Large Scale and Small Residential Storage budgets
- Key points
  - The definition of a "qualified" DR program is narrower than that adopted in D.23-12-005 and leaves out CCA and 3P DR providers; this would freeze out current participants in these DR programs and prevent new SGIP participants from participating in excluded programs
  - The CPUC should simply maintain the same definition as was adopted in D.23-12-005
- The Council, Leap, and OhmConnect also filed reply comments and made these key points:
  - A DR participation requirement will maximize the reliability value of the SGIP but a 10-year requirement may be difficult to implement
  - Reallocating unused Generation budget to energy storage is necessary to relieve the energy storage project backlog; however, a deadline should be set by when the any outstanding Generation incentive reservations must be submitted
- Next steps: Next CPUC voting meet scheduled for 3/11

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Discussion & Q&A

Thank You!

Please contact us if you have any questions.

Joe Desmond – jdesmond@cedmc.org
Kira Kimick – admin@cedmc.org

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