Agenda:

- MCE Updates
  - Blogs, Because of Youth (Sarah)
- Load Management for Electrification (Lindsay)
- Grid reliability & Electrification (Lindsay)
- Residential TOU & 2022 rate adjustments (Jared)
- Policy Updates (Stephanie)
- Supplier Diversity (Alexandra)
Marketing & Communications Coordinator

Sarah Dillemuth
Top Recent Blogs
mceCleanEnergy.org/news

California Assemblymember Cecilia Aguiar-Curry Receives MCE’s 2021 Climate Action Leadership Award

Why You Should Pair Solar With Storage

Program Plug-In: Heat Pump Water Heaters
Youth Engagement 2022

- New Youth Climate Education Tool Kit
- Launching a 2022 Youth Earth Day Initiative
- Email engagement@mcecclaneenergy.org
Director of Power Resources

Lindsay Saxby
Annual Operational Integrated Resource Plan
- 10-year forecast of load and energy supply
- Sets targets for renewable and carbon free content for MCE’s service offering

Long-term Load Forecasting is Based on:
- the number of customers
- types of customers (residential and commercial)
- potential service area inclusion
- opt-out rates
- **electrification trends**
- demand-side resources
- weather
Figure 4: MCE loss-adjusted load forecast, 2022-2031°
MCE Support Grid Reliability thru various means:

- Supporting Distributed Energy Resources (DERs) and DER Programs
  - DERs can move energy to times when its needed
  - DER Programs incentivize optimal customer usage and management

- Matching Load with Supply
  - MCE seeks out and procures resources that best match our load profile such as solar and storage hybrid resources
  - MCE has updated our FIT Plus Program to required greater ratio of storage to solar
  - Do not allow solar-only resources

- Adhering to State Set Mandates to Enhance Grid Reliability
  - CPUC Decision 19-11-016 requires load serving entities procure “Incremental System Capacity”
    - MCE’s share of the “short-term” incremental system capacity compliance obligation is 87.5 MW, by August 1, 2023.
  - CPUC Decision 21-06-035 requires load serving entities procure incremental capacity for a “mid-term” timeline
## CPUC Mid-term Reliability Mandate

<table>
<thead>
<tr>
<th>Bucket</th>
<th>Requirements</th>
<th>MCE's Obligation</th>
<th>Online Date</th>
<th>Resource Options</th>
</tr>
</thead>
</table>
| Generic                     | • Resource Adequacy (RA)                          | 231 MW           | Part 1 - 8/2023 Part 2 - 6/2024 | • PV+4 Hour Storage  
                            |                      |                  |                                    | • Stand-Alone Storage  
                            |                      |                  |                                    | • Wind  
                            |                      |                  |                                    | • Geo or Biomass  
                            |                      |                  |                                    | • Long-Term Imports  |
| DCPP Replacement (5 Hour)   | • Zero emissions or RPS  
                            | 72 MW           | 6/2025               | • PV+5 Hour Storage  
                            | • 5MWh/1MW         |                  |                                    | • Geo/Bio/Landfill gas  
                            | • (HE17 - HE22)     |                  |                                    | • Demand Response  |
| Long Duration Storage (8 Hour) | • 8 Hours - full capacity discharge                | 29 MW           | 6/2026               | • Stand-Alone Storage                          |
| Clean-Firm (Geo/Bio)        | • Firm  
                            | 29 MW           | 6/2026               | • Geothermal  
                            | • 80% capacity factor  
                            |                  |                                    | • Biomass/Landfill gas  
                            | • Not weather dep or use-limited  
                            |                  |                                    |                      
                            | • Zero emissions or RPS  
                            |                  |                                    |                      |
Account Analyst II

Jared Sherwood
California’s Time-of-Use Transition
PG&E and MCE will move most residential customers to a Time-of-Use rate plan in March 2022

This transition will:

✓ Ensure greater grid reliability
✓ Support a cleaner and healthier energy future
✓ Allow customers to better control their energy costs
✓ Reduce our reliability on fossil-fueled resources
Time-of-Use Rates

- The cost of electricity will change based on **when** you use energy
- Save money by shifting electricity usage to off-peak hours
- Avoid high usage surcharges

**Check the Hour Before Using Power**

- **Lowest price (OFF-PEAK)**: 19 hours each day
- **Highest price (PEAK)**: 5 hours each day
- **Basic Residential Rate (E1)**
Find the Best Rate Plan For You

- Visit pge.com/TOUchoice to compare rate plan options with estimated annual costs
- **Choose the most cost-effective rate plan for you!**
- Consider your habits and whether you can shift your energy use
- Try a time-of-use plan risk-free for 12 months with bill protection
Save Money on Your Bill

Over 75%* of MCE customers are expected to save money when enrolled in TOU rates without changing any habits.

Ways to save even more:

- Run large appliances during off-peak hours
- Pre-cool your home before 4 PM
- Charge your Electric Vehicle and other electronics overnight
- Schedule battery systems to discharge during peak hours

*Analysis was performed with 2018 usage data
2022 Rate Outlook

**MCE Rate Adjustments**
- January 1, 2022: MCE increased system average rates by $0.003/kwh
- March 1, 2022: MCE is set to increase system average rates by $0.017/kwh

**PCIA Adjustments**
- March 1, 2022: The PCIA is projected to decrease by an average of $0.022/kwh

**PG&E Rate Adjustments**
- January 1, 2022: T&D increases of 8.6% for the average-use residential ratepayer; Gas increases over 11%
  **Impacts both PG&E and MCE customers**
- March 1, 2022: PG&E is set to increase system average rates by $0.037/kwh
  **Only impacts PG&E bundled customers**
Residential Cost Comparison (as of 3.1.2022)

<table>
<thead>
<tr>
<th>Service</th>
<th>MCE Light Green 60% Renewable</th>
<th>PG&amp;E 29% Renewable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Generation</td>
<td>$57.25</td>
<td>$80.88</td>
</tr>
<tr>
<td>Electric Delivery</td>
<td>$93.27</td>
<td>$93.27</td>
</tr>
<tr>
<td>Additional PG&amp;E Fees</td>
<td>$10.56</td>
<td>-</td>
</tr>
<tr>
<td>Average Total Cost</td>
<td>$161.08</td>
<td>$174.15</td>
</tr>
</tbody>
</table>

*Numbers are estimates based upon projected March 1 rate adjustments and are subject to change.

As of March 1, the average residential MCE customer will save over $13/mo or ~8% on their total bill relative to PG&E.
Senior Policy Counsel

Stephanie Chen
Policy Update

Legislative
• AB 1814 – CCA Access to CPUC TE Funds
• Congressional Earmark Requests

Regulatory
• Market Access Program
Manager of Strategic Initiatives

Alexandra McGee
What is Supplier Diversity

General Order 156 (Current as of June 11, 2015)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA
RULES GOVERNING THE DEVELOPMENT OF PROGRAMS TO INCREASE PARTICIPATION OF
WOMEN, MINORITY, DISABLED VETERAN AND LESBIAN, GAY, BISEXUAL AND
TRANSGENDER (LGBT) BUSINESS ENTERPRISES IN PROCUREMENT OF CONTRACTS FROM
UTILITIES AS REQUIRED BY PUBLIC UTILITIES CODE SECTIONS 8281-8286

Decision (D.) 88-04-057 in R.87-02-026.

THE SUPPLIER CLEARINGHOUSE

JOIN OUR SUPPLIER DIVERSITY PROGRAM
Open to women, minority, disabled veteran and LGBT-owned firms

Do I Qualify?  Apply  Log In

https://sch.thesupplierclearinghouse.com/
2021 Efforts – Supplier Diversity

• MCE has been involved with the CPUC’s Supplier Diversity program since 2018.

• MCE hosts an annual Certify & Amplify workshop to educate eligible businesses on the program.

• MCE coordinated, hosted, and presented “A Conversation with CCAs” at the October 2021 Virtual Small/ Diverse Business Expo.
2021 Efforts – Local Business Support

- Small & Medium Business - Energy Assessments/Rebates
- Strategic Energy Management
- EV Rates & Rebates and Coming Soon - Fleet Electrification!
- Energy Storage carveouts for non-res batteries
- 6 new FIT projects in 2021
- Deep Green Champions
- MCE Power Hour
- Workforce education and training for green careers (WE&T)
- Peak FLEXMarket

Other Tools in our Toolbelt
Sustainable Workforce & Diversity Policy
Open Season calls for community benefits

Totals since 2010: $180 million in community reinvestment and $2.1 billion in California
2021 Results for Non-Power Spend

Certified diverse: ~$1M (3.84%) on 11 vendors (of $26M)

Qualified to be certified: ~$4M on 16 vendors, inc. $3.4M for power. If the difference was included, MCE total for diverse non-power vendors would increase to 6.29%

Certified Small: $340,000 on 5 vendors

Local: $57M on 42 vendors (inc. $53M for 7 power vendors)

Sum of non-power small & local: $3.8M on 35 vendors (15%)
Funding Opportunities
Funding is Flowing

• Significant grant opportunities from state and federal agencies – we will update you as details unfold

• Thank you for letter us know your interest in receiving regular updates on energy related funding opportunities

<table>
<thead>
<tr>
<th>Project Type</th>
<th>Agency</th>
<th>Total Funds ($)</th>
<th>Timeline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clean School Bus</td>
<td>EPA</td>
<td>5B</td>
<td>Apps opening Spring 2022</td>
</tr>
<tr>
<td>Grid Reliability (Sec 40103)</td>
<td>DOE</td>
<td>6B</td>
<td>FY 2022-26</td>
</tr>
<tr>
<td>Preventing Outages (40101)</td>
<td>DOE</td>
<td>6B</td>
<td>FY 2022-26</td>
</tr>
<tr>
<td>Preventing Outages (40101)</td>
<td>DOE</td>
<td>6B</td>
<td>FY 2022-26</td>
</tr>
<tr>
<td>Smart Grid, SGIG (Sec 40107)</td>
<td>DOE</td>
<td>3B</td>
<td>FY 2022-26</td>
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<tr>
<td>EE Rural (Calistoga)</td>
<td>DOE</td>
<td>1B</td>
<td>FY 2022-26</td>
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<tr>
<td>EE Block Grant (Sec 40552)</td>
<td>DOE</td>
<td>550M</td>
<td>FY 2022 (apps opening Fall)</td>
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<tr>
<td>SMART Grants (Sec 25005)</td>
<td>DOT</td>
<td>500M</td>
<td>FY 2022-26</td>
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<tr>
<td>Charging &amp; Fueling (Sec 11401)</td>
<td>DOT</td>
<td>2.5B (&lt;15M)</td>
<td>FY 2022-26</td>
</tr>
<tr>
<td>EV Charging Stations in CA</td>
<td>DOT</td>
<td>384M</td>
<td>FY 2022-26</td>
</tr>
<tr>
<td>Climate Resilience Package</td>
<td>CA</td>
<td>3.69B</td>
<td>State Budget 2021-22</td>
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<tr>
<td>LI Weatherization</td>
<td>CSD</td>
<td>50M</td>
<td>Allocated for 22-23 &amp; 23-24</td>
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<tr>
<td>Regional Climate Collaboratives</td>
<td>SGC</td>
<td>20M</td>
<td>Apps opening Summer 2022</td>
</tr>
<tr>
<td>CA Climate Action Corps</td>
<td>Cal Volunt.</td>
<td>15M</td>
<td>22-23 Program Starts in Nov.</td>
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<tr>
<td>ZEV Acceleration</td>
<td>CA</td>
<td>3.9B</td>
<td>Proposed Budget 22-23</td>
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<tr>
<td>Zero-Emission Mobility (LI)</td>
<td>CA</td>
<td>419M</td>
<td>Budget FY 21-22 thru 23-24</td>
</tr>
<tr>
<td>ZEV Infrastructure (LI)</td>
<td>CA</td>
<td>900M</td>
<td>Budget FY 21-22 thru 23-24</td>
</tr>
<tr>
<td>Clean Energy Investment Plan</td>
<td>CA</td>
<td>2B</td>
<td>Proposed Budget 22-23</td>
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<td>Building Decarbonization (LI)</td>
<td>CEC</td>
<td>922.4M</td>
<td>FY 2022-24</td>
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<tr>
<td>Green Hydrogen</td>
<td>CEC</td>
<td>100M</td>
<td>FY 2022-23</td>
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<tr>
<td>Long Duration Storage</td>
<td>CEC</td>
<td>380M</td>
<td>FY 2022-24</td>
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<tr>
<td>Clean Hydrogen</td>
<td>NETL</td>
<td>TBD</td>
<td>NOI posted 12/16/21</td>
</tr>
</tbody>
</table>
Upcoming Board Meetings

Solano County

Marin County

Contra Costa County

Napa County

TechCom on 3/3, ExCom 3/4 Board Meeting on 3/17