June Community Power Coalition

6/29/22

GET INVOLVED

Partner with your community to make an impact
Agenda:

• Honoring Dave McCoard  
  (Alexandra McGee)

• MCE Updates
  • News/Blog  
    (Sarah Dillemuth)

• Energy Costs and Generation: The state of rates and affordability  
  (Vicken Kasarjian)

• MCE SYNC  
  (Brett Wiley)

• Regulatory Updates  
  (Stephanie Chen)
Remembering Dave McCoard

Environmentalist

Community Advocate

Friend of MCE
Marketing and Communications Coordinator
Sarah Dillemuth
Top Recent Blogs
mceCleanEnergy.org/news

- How MCE’s Power Purchasing Model Benefits You
- MCE Unveils Plans for Virtual Power Plant to Benefit Low-Income Richmond Residents and Businesses
- Ask an Expert: How Can My Organization Benefit from Strategic Energy Management?
- Smart EV Charging Program Expands to Bay Area Residents
Chief Operating Officer

Vicken Kasarjian
What Goes Into Electric Rates

- Conservation Incentive
- Transmission
- Distribution
- Electric Public Purpose Programs
- Nuclear Decommissioning
- Wildfire Fund Charge
- Wildfire Hardening Charge
- Power Charge Indifference Adjustment
- Other

PG&E Forecasted Bundled Residential Rates ($ nominal/kWh), Wildfire Rate Relative to All-Other (Non-Wildfire) Rate
# Residential Cost Comparison

<table>
<thead>
<tr>
<th></th>
<th>MCE Light Green</th>
<th>MCE Deep Green</th>
<th>MCE Local Sol</th>
<th>PG&amp;E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Generation</td>
<td>$57.25</td>
<td>$62.60</td>
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<td>PG&amp;E Electric Delivery</td>
<td>$105.61</td>
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<tr>
<td>Added PG&amp;E Fees</td>
<td>$10.79</td>
<td>$10.79</td>
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<tr>
<td>Average Total Monthly Cost</td>
<td>$173.65</td>
<td>$179.00</td>
<td>$192.37</td>
<td>$186.32</td>
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</tbody>
</table>

100% California Solar and Wind  100% Local Solar
The Cost of Higher Rates

There is a Continuing Electricity Affordability Crisis

Source: Recent Utility Investor Presentations
Note: SDG&E and SCE forecast available through 2025 only

Source: PG&E Annual Electric True-up/SCE and SDG&E Annual Consolidated Filings; FRED CPI Index data series available at: https://fred.stlouisfed.org/series/CWUR0000SA0
Note: CPI-W is used to calculate Social Security COLA adjustments.
Why Rates Are Rising

- Legacy assets*
- Changing power purchasing methodology
- Increasing purchasing requirements with decreasing flexibility
- Increasing use of solar with legacy rates

Climate Costs
Additional Cost-Drivers

- Mandate for sales of only zero-emissions vehicles by 2035
- Greater need for refrigeration, heating, and air conditioning due to climate change
- Electrification mandates

Increasing electric needs
Customer-Focused Solutions

- Electrification
- Time-of-Use rates and load shifting
- Solar + storage
- Measured distributed energy resource incentive programs

Reducing system costs

THE COST OF TURNING OFF THE GAS
A new study indicates a switch to all-electric housing would deliver significant reductions in greenhouse gas emissions, but a ban of natural gas could mean higher bills for many new homes.

Share of households with projected annual bill changes for all-electric new construction homes:
- Bill savings
- Increase: Less than $100
- Increase: More than $100

Single family
- 10%
- 35%
- 55%

Low-rise multifamily
- 10%
- 24%
- 66%
Regulatory and Legislative Solutions

- Consistent power accounting methodologies
- Provide more flexibility in how procurement requirements are met
- Encourage intentional sale of legacy contracts*
- Implement a revised NEM program
Bill Savings Programs

- CARE/FERA
- Medical Baseline
- MCE Cares Credit
- Time-of-Use rates and load shifting
- Solar plus storage
Thank You!

Vicken Kasarjian, COO
vkasarjian@mceCleanEnergy.org
Senior Customer Program Manager

Brett Wiley
MCE Sync: Managed Electric Vehicle Charging

6.29.22
Impacts of Managed Charging

1. Customers avg $120/yr bill savings ($228/yr on EV rate)
2. Customer get $30 enrollment bonus + up to $10/month for low carbon events
3. No reduction in available charge when customers need it
4. GHG reductions: 93% of EV load from 4-9pm window
5. Goal: 2,500 enrolled participants out of 69,000+ EVs in MCE service area.
MCE Sync
MCE Sync is a new app that provides customers cheaper, greener EV charging at home.
Managed charging is shifting 93% of EV load out of the 4pm-9pm peak

Without smart-charging

Smart-charging with MCE Sync

~.5 kW average peak load reduction per EV/day
MCE Sync works with WattTime to automatically charge EVs with up to 85% lower-carbon energy.

Charging is shifted to belly of the duck

Dirty peak energy is avoided

50% Lower-carbon grid electricity on avg.

Example shown is of an E-1 Customer’s charging
Customer feedback has been positive

“I have a lot of confidence in MCE as an entity and I’m a lifelong supporter of all green initiatives, so I was glad to see MCE Sync offered to charge my EV”
Mark (Napa)

“I wanted a little more control over my EV charging, and I get that through MCE Sync”
Mohit (San Ramon)
Who is eligible?
How you can help?
Eligibility

1. MCE Customer
2. Have an eligible EV (Tesla, Chevy, Ford, VW, BMW, Jaguar, Land Rover) OR Chargepoint Home Charger
How ComPow Members can help?

Partner with us to engage & market this program to your members:

- Email and Direct Mail (co-branding)
- Social media
- MCE attending relevant events
- Testimonials

Want to partner on MCE Sync? Add your name in chat.
Thank You!

Brett Wiley
Senior Customer Programs Manager
bwiley@mceCleanEnergy.org
Senior Policy Counsel

Stephanie Chen
Policy Update

Federal
• Community Project Funding Requests

California Budget
• COVID Debt Relief
• Energy Reliability, Resiliency, and Clean Energy Investments
<table>
<thead>
<tr>
<th>County</th>
<th>Board Members</th>
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<tbody>
<tr>
<td>Solano County</td>
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<td>Napa County</td>
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**Upcoming Board Meetings**

- Executive Committee: 7/01
- Board Meeting: 7/21