Community Power Coalition

April 3rd 2018

January site visit to Solar One after the Diversity Symposium in Richmond
Agenda

Updates:
Community Development
• Snapshot of opt outs and opt ups
• Lafayette’s semi-centennial “Gift of Green”
• Update on Living Lightly

Customer Programs
• MCE & SCP co-hosted Heat Pump training

Policy Updates
• Resolution E-4907

MCE Board updates
• 2018 Rates

Other
• Summary of 2017 Community Power Survey
• MCE Job openings, RFPs, and Board meetings
• Upcoming events

Community Power member updates
Opt Outs as of 3/14/18

- 2010-12 service start
- 2013 service start
- 2015 service start
- 2016 service start

Bar chart showing Opt Out percentages for various locations starting from 2010 to 2016.
Opt Ups as of 3/14/18

-1% 1% 3% 5% 7% 9%

- 2010-12 service start
  - Fairfax
  - 8.06%

- 2013 service start
  - San Anselmo
  - 5.69%
  - Marin Co.
  - 5.26%
  - Mill Valley
  - 4.93%
  - Ross
  - 4.41% 4.19%
  - Sausalito
  - 3.83% 3.69%
  - San Rafael
  - 3.21% 3.07%
  - Tiburon
  - 2.73%
  - Larkspur
  - 2.27% 2.31%
  - Belvedere
  - 1.49%
  - Novato
  - 0.45%

- 2015 service start
  - Richmond
  - 6.59%
  - El Ceno
  - 2.14%
  - Napa Co.
  - 1.49%
  - Benicia
  - 0.45%
  - San Pablo
  - 0.77%
  - Lafayette
  - 1.13%
  - St. Helena
  - 1.28%
  - Napa City
  - 1.78%
  - Walnut Creek
  - 2.06%
  - Yountville
  - 0.48%
  - Calistoga
  - 0.77%
  - American Canyon
  - 0.48%
For Lafayette’s 50th Anniversary, the City has set a goal of having 1,000 opting-ups (~10% of accounts), which would be the highest among all MCE communities.

Community groups have set internal goals of 20-100 opt ups each. As a group effort, together they’re hoping to get to 1,000.
Living Lightly Update

45 opt ups... and counting!

Participants:
Temple Isaiah, Lafayette
City of Concord
Indivisible Marin
Sustainable Rossmoor

Join today to become a Team Leader and work directly with MCE to support your team’s campaign!

mcecleanenergy.org/livinglightly

LET’S GET MORE DEEP GREEN IN OUR COMMUNITY!

FORM A LIVING LIGHTLY TEAM! Living Lightly teams are community, religious, and school groups that are promoting Deep Green 100% California renewable energy to their members. You can help an existing team or form your own at: mceCleanEnergy.org/LivingLightly

OR SIMPLY REFER A FRIEND! Let someone you care about know that Deep Green is an easy way to join the 100% renewable energy movement. Typical Deep Green homes eliminate a ton (literally a metric ton) of greenhouse gas emissions each year! Your friends can opt up at: mceCleanEnergy.org/DG-enroll

#LivingLightly WITH 100% RENEWABLE ENERGY
MCE & SCP co-hosted a heat pump class at the North Coast Builder’s Exchange for 15 attendees, ranging from program implementers to engineers. The workshop focused on best practices, refrigerant management, indoor air quality, certification, insurance, permitting requirements for space-heating and water-heating applications, and how to get more funding to subsidize costs. Interested attendees took information to get into the pipeline for MCE’s Low Income Families and Tenants (LIFT) energy efficiency program. El Cerrito and Marin have expressed interest in hosting similar trainings in the future. More info: http://www.mcecleanenergy.org/lift/

Great Green Tech Media article on electrification: https://www.greentechmedia.com/articles/read/what-does-it-take-to-electrify-everything-in-your-home
Partial victory on February 8th: After proposing a resolution that would have created an effective “freeze” on CCA formation, Commissioners were inundated by “thousands of emails” which led to favorable amendments released days before the voting meeting.

The amended resolution is unquestionably better for emerging CCAs than the original, but it still imposes new procedural requirements to launch CCA service.

The resolution only applies to an interim period in 2018 and 2019. All other issues will be addressed in the Resource Adequacy proceeding, as requested by CalCCA.

CleanPowerSF has since submitted a petition for rehearing.

Thanks to the Clean Power Exchange for organizing a news conference and rally on 2/8.
San Francisco seeks rehearing

The Resolution was an abuse of discretion and was arbitrary and capricious because it is not supported by adequate evidence.

The Resolution... is not supported by substantial evidence... does not adequately define the nature of the supposed problem it's trying to address... doesn't commit to whether there are actual stranded costs and/or cost shifting... lacks a scant factual record, making it impossible to discern crucial, basic relevant information.

The Commission did not proceed in the manner required by law because it did not provide an evidentiary hearing... as required by PUC sections 1708 & 1708.5

The Commission’s decision is not supported by the findings because the findings fail to acknowledge the substantial changes it makes to (D.)05-012-041.

Conclusion: The Commission’s failure to adhere to procedural requirements and establish an adequate factual record and findings for its actions not only violates statute, but creates an environment of uncertainty and disruption surrounding CCA formation and operation.

San Francisco seeks a rehearing to provide parties an evidentiary hearing, and build an adequate factual record and findings to support the Resolution. Ideally, within the ongoing RA proceeding.

http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M212/K227/212227064.PDF
Greater Savings for MCE Customers in 2018

Starting March 1st, Light Green customers will save between 2-5% compared to PG&E’s generation.

<table>
<thead>
<tr>
<th></th>
<th>50% renewable MCE</th>
<th>33% renewable PG&amp;E</th>
<th>100% renewable MCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Delivery</td>
<td></td>
<td>$55.42</td>
<td></td>
</tr>
<tr>
<td>Electric Generation</td>
<td>$30.67</td>
<td>$48.62</td>
<td>$35.18</td>
</tr>
<tr>
<td>Added PG&amp;E Fees</td>
<td>$15.34</td>
<td>-</td>
<td>$15.34</td>
</tr>
<tr>
<td><strong>Monthly Cost</strong></td>
<td><strong>$101.43</strong></td>
<td><strong>$104.04</strong></td>
<td><strong>$105.94</strong></td>
</tr>
</tbody>
</table>

Based on a typical usage of 451 kWh at current PG&E and MCE E-1 rates effective as of March 1, 2018. Actual differences may vary depending on usage, rate schedule, and other factors. Estimate provided is an average of seasonal rates.
Most important actions for CCAs to support disadvantaged communities:

1. Provide energy efficiency and solar rebates
2. Lower electricity rates (e.g., lower generation rates, reduce PCIA)
3. Local development of renewable energy projects
Most important actions for MCE to support disadvantaged communities:

1. Support local renewable energy development
2. Support electric vehicle infrastructure
3. Increase Deep Green enrollment
4. Advocate for reduction of PG&E exit fees
5. Provide energy efficiency upgrades
Want to be part of the movement?

Jobs (www.mcecleanenergy.org/careers/)
- Director of Customer Programs
- Power Supply Contracts Manager I and II
- Customer Programs Specialist I
- CalCCA Director of Operations & Communications (cal-cca.org)

Request for Proposals
- RFQ, Heat Pump Contractors (open through 10/2019)

Upcoming Board & Committee meetings (mcecleanenergy.org/meeting-archive)
- Technical Committee, April 5
- Executive Committee, April 6
- Board of Directors meeting, April 19
WCCSD Career Pathways internships:

- WCCUSD is looking for employers interested in helping high school juniors acquire new skills, contributing to our local economy by providing career-minded students with a summer internship. Terri Waller (510) 307-4539, terri.waller@wccusd.net

YouthWORKS Summer Employment Program:

- Become a worksite, hire local talent, get short term projects completed, curb temp staffing needs: www.ci.richmond.ca.us/662/YouthWORKS

Check out ca100.org

- Dedicated to moving California to 100% clean energy through SB100, raising RPS to 60% renewable 100% carbon-free by 2045.

UC Berkeley & Biomonitoring CA’s East Bay Diesel Exposure Project:

- Learn about diesel exhaust exposure, explain how exhaust affects your communities, and be part of the solution to reduce exposure to diesel exhaust. Participants must live in the East Bay, be 18+, and have a potty-trained child up to 6 y/o. Participants will receive $80 in gift cards to a local store. https://ca-richmond3.civicplus.com/DocumentCenter/View/46110
Do your members have questions? Come see us!

April 4: Martinez Rotary meeting, 12:30 pm
April 5: EBC & MCE joint meeting, Dublin 7 pm
April 7: El Sobrante United Methodist Church, 2 pm
April 9: Solar (NEM) Workshop, Concord, 7pm
April 12: Martinez Senior Citizens Club, 1pm
April 14: San Ramon Fashion Show and Tea, 2pm
April 16: Sustainable Rossmoor Earth Awareness Week, 10 am
April 17: Oakley Library presentation, 6pm
April 19: Concord Library presentation, 5:30 pm
April 19: San Pablo Small Business of the Year, 5:30 pm
April 21-22: TEN events throughout MCE communities
April 23: College of Marin Earth Day
April 25: Mill Valley Tam Valley Ice Cream Social, 2pm
April 25: San Ramon Community meeting, 7pm
April 28: Danville Farmer’s Market, 9am
April 29: Lafayette Christian Church (Disciples of Christ) Presentation, 11:30 am
April 30: San Pablo Bay Front Business Mixer

For full list of upcoming events: mcecleanenergy.org/meetings
## New California Renewables

<table>
<thead>
<tr>
<th>Phase</th>
<th>Expected production (GWhs)</th>
<th>Project Capacity (MWs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online</td>
<td>632.64</td>
<td>188.67</td>
</tr>
<tr>
<td>Construction (steel in the ground)</td>
<td>23.5</td>
<td>10.5</td>
</tr>
<tr>
<td>Development (interconnection agreement executed; PPA in process)</td>
<td>1,486.94</td>
<td>613.08</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td><strong>2,143.08 GWhs</strong></td>
<td><strong>812.25 MWs</strong></td>
</tr>
</tbody>
</table>

Marin and Contra Costa Projects: **19.95 MWs**

64.1 GWhs
## Local Renewable Energy Projects

<table>
<thead>
<tr>
<th>Project</th>
<th>Online</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>San Rafael Airport</td>
<td>2012</td>
<td>FIT</td>
<td>1 MW, rooftop solar</td>
</tr>
<tr>
<td>Buck Institute</td>
<td>2016</td>
<td>PPA</td>
<td>1 MW, carport solar shade structure</td>
</tr>
<tr>
<td>Cost Plus Plaza</td>
<td>2016</td>
<td>FIT</td>
<td>0.265 MW, rooftop solar</td>
</tr>
<tr>
<td>Freethy Industrial Park</td>
<td>2016</td>
<td>FIT</td>
<td>2 MW, ground mounted solar</td>
</tr>
<tr>
<td>Cooley Quarry</td>
<td>2017</td>
<td>FIT</td>
<td>1 MW, ground mounted solar</td>
</tr>
<tr>
<td>Redwood Landfill</td>
<td>2017</td>
<td>PPA</td>
<td>3.6 MW, bioenergy plant</td>
</tr>
<tr>
<td>MCE Solar One</td>
<td>2017</td>
<td>PPA</td>
<td>10.5 MW, ground mounted solar</td>
</tr>
</tbody>
</table>

19+ MW powering 10,000 homes
Clean Power Exchange: CCA map (3.16.18)

Current operational CCAs:
- MCE (2010)
- Sonoma Clean Power (2014)
- CleanPowerSF (2016)
- Peninsula Clean Energy (2016)
- Silicon Valley Clean Energy (2017)
- Apple Valley Choice Energy (2017)
- Redwood Coast Energy Authority (2017)
- Clean Power Alliance (2018)
- Pioneer Community Energy (2018)

Emerging CCAs:
- Desert Community Energy
- East Bay Community Energy
- Monterey Bay Community Power
- San Jacinto Power
- San Jose Clean Energy
- Valley Clean Energy Alliance

https://cleanpowerexchange.org/california-community-choice/