General Updates
  • CalCCA formed
  • EBCE formed
  • 2016 McGlashan Advocacy Award
  • Current Opt out and Opt up numbers
  • California procurement
  • El Cerrito's 100 for 100 centennial celebration
  • Update on Contra Costa County discussion of CCA

MCE Updates
  • Grace Peralta presenting on MCE's Multifamily Energy Efficiency Program
  • Low Income Families and Tenants (LIFT) pilot

Legislative & Regulatory Issues
  • Summary of CPUC en banc (Feb 1st)
  • PG&E's PCIA increase, working group update
  • PG&E proposing to charge PCIA to Medical Baseline customers

New Items on the Horizon
  • April Advocate training
CalCCA Launches!

Represents the interest of California’s community choice electricity providers in the legislature and at the relevant regulatory agencies.

**Operational Members**

- MCE
- Sonoma Clean Power (SCP)
- Lancaster Choice Energy (LCE)
- CleanPowerSF
- Peninsula Clean Energy (PCE)
- Silicon Valley Clean Energy (SVCE)
- Apple Valley Choice Energy

**Affiliate Members**

- City of Davis
- City of Corona
- Los Angeles County
- Placer County
- Central Coast Power (Counties of Santa Barbara, San Luis Obispo, and Ventura)
Newest CA CCA: EBC E!

CCA service to soon begin for:
• Unincorporated Alameda County
• Albany
• Berkeley
• Dublin
• Emeryville
• Fremont
• Hayward
• Livermore
• Oakland
• Piedmont
• San Leandro
• Union City

First Board of Directors meeting, January 30
MCE’s Charles F. McGlashan Advocacy Award

Commemorates the environmental leadership of Charles F. McGlashan, Former Founding MCE Chairman

Recognizes passion, dedication, and leadership in promoting MCE’s mission

2016 recipient: Sustainable Napa County
Opt Outs

- 2010-12 service start: 31%
- 2013 service start: 25%
- 2015 service start: 23%
- 2016 service start: 21%

Service start:
- 2010-12: 2010, 2012
- 2013: 2013
- 2015: 2015
- 2016: 2016
Deep Green (Opt Ups)

- **2010-12 Service Start**: Fairfax 7.18% 4.26%
- **2013 Service Start**: San Anselmo 3.71% 1.76%
- **2015 Service Start**: Sausalito 3.23% 1.35%
- **2016 Service Start**: Mill Valley 2.93% 1.25%

Service start dates:
- 2010-12: 2010-12
- 2013: 2013
- 2015: 2015
- 2016: 2016
New Local and In-State Renewables

24 Projects  813 megawatts

$1.6 Billion committed

535 MW new solar
266 MW new wind
12 MW new biogas
MCE Feed-In Tariff (FIT) Program

Turning unused space into a revenue stream

One of the most competitively priced FIT programs in California

Advantages:
• Standardized, 20-year term
• Fixed price per MWh generated
• Accurately reflects project revenue and can help secure project financing
## FIT Case Studies

### COST PLUS SHOPPING PLAZA CASE STUDY
- **Project Size**: 265 kilowatt
- **Installation Type**: Rooftop
- **Est. Annual Revenue**: $75,000
- **Est. 20 Year Revenue**: $1 Million+
- **Homes Powered**: 90 per year

### FREETHY INDUSTRIAL PARK CASE STUDY
- **Project Size**: Two–1 megawatt
- **Installation Type**: Ground Mount
- **Est. Annual Revenue**: $550,000
- **Est. 20 Year Revenue**: $10 Million+
- **Homes Powered**: 600 per year
EL Cerrito 100 for 100

Encouraging residents & businesses to go Deep Green as part of larger Centennial Celebration

Celebrate our 100th with 100% renewable energy

mceCleanEnergy.org/elcerrito
Contra Costa County update

CCA options
Start new CCA
Join EBCE
Join MCE

Options available to 14 cities and unincorporated county

What is Community Choice Energy?

CCE enables local governments to procure and/or develop power on behalf of their public facilities, residents and businesses. It creates a functional partnership between municipalities and existing utilities. It has proven to increase renewable energy and lower greenhouse gases while providing competitive electricity rates.

How Community Choice Energy Works

source ▼
CCE

delivery ▼
UTILITY

customer ▼
YOU
MCE's Multifamily Energy Efficiency Program
MCE Multifamily Program
Energy Efficiency Programs

Available to Market rate and affordable multi-family properties in all member communities.

Multifamily
Offerings

- No cost **energy assessments** (valued at $3,000-$5,000; max deposit $500 reimbursed at completion)
- No cost **technical assistance** to solicit bids and develop scope of work
- **Rebates** average 20-60% of total project cost
- No cost **direct install** measures for tenant units (valued at $25 per unit)
- Post-project **quality assurance**
- Minimum 1 year **contractor warranty**
Program Process

1. Complete Online Questionnaire
2. Submit Intent to Proceed & Good Faith Deposit
3. Schedule Assessment
4. Finalize Scope, Secure Financing & Hire Contractors
5. Complete Construction & Direct Install
6. Schedule Site Verification
7. Receive Rebate from MCE within 2 Weeks of Project Sign-off
Case Study

EAH
Affordable Housing

Tiburon, Novato & San Rafael

206 Total units served

• $13,200 Total Rebates
2,766 Therms  
$3,043

25,111 kWh  
$3,767

404,844 Gal  
$810

$7,620 Total Savings

77,443 Miles driven by an average passenger vehicle*

10,121+ Average bathtubs filled with water*

*EPA
San Rafael Manor Estimated Annual Savings

215 Therms
$ 293

23,609 kWh
$ 3,186

457,371 Gal
$ 915

$4,394 Total Savings

42,497 Miles driven by an average passenger vehicle*

11,434+ Average bathtubs filled with water*

*EPA
Accomplishments

January 2013 to August 2016

- **Energy saved**
  - 389.46 MWh
  - 62,946.76 Therms

- **Water saved**
  - 7.7 million+ gallons

- **Buildings audited**
  - 662

- **Total rebates**
  - $477,516

- **Total units served**
  - 1,764

Green House Gas emissions from:

- House: 64
- Car: 127
- Forest: 575 acres
Low Income Families & Tenants (LIFT) Program

$3.5 million
April 2017 Launch

Multifamily
- Layered Rebates
- Tenant education
- Heat pumps

Single Family
- Matched Energy Savings Accounts
- Mobile alerts
- Family education
Regulatory & Legislative
En Banc

- Well attended: 1,200+!
- Engaged commissioners
- Recognition of MCE progress
- Opportunity for public comment by 2/23: suzanne.casazza@cpuc.ca.gov; mitchell.shapson@cpuc.ca.gov
"…[L]ead the pack today by a long shot is Marin Clean Energy. In the last year or two they have engaged in a substantial amount of long-term contracting and they have a goal of 80% renewable energy by 2025. But more importantly, Marin is poised to obtain over a third of their retail load from new local renewable energy projects by 2019 and over 50% by 2020 so it's a real impressive focus on local resources and new development. This is the benchmark for Community choice procurement in my view."

Mark Friedman (TURN)

"CCAs have very aggressive portfolio mixes and... this ultimately results in more energy projects and more jobs. IBEW is working on several renewable energy projects including large scale solar projects in our area of the Antelope Valley, a large portion is being purchased by CCAs. Thanks to the apprenticeship component, these jobs become family sustaining careers with pensions and benefits... When CCAs are structured properly with the proper components of apprenticeship or distributed energy resources, we know that these are great career creators and we've seen them change lives every day."

Joseph Sullivan (IBEW 11)
PCIA 2017

- Working group last meeting 2/8
- March: drafted recommendations
- Possible themes: IOU standardization, wholesale reform, transparency, changed methodology

2017: 27% increase
## Sample Residential Cost Comparison

<table>
<thead>
<tr>
<th></th>
<th>30% renewable PG &amp; E</th>
<th>50% renewable MCE</th>
<th>100% renewable MCE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electric Delivery</strong></td>
<td>$45.55</td>
<td>$47.18</td>
<td>$37.97</td>
</tr>
<tr>
<td><strong>Electric Generation</strong></td>
<td>$92.73</td>
<td>$94.30</td>
<td>$98.93</td>
</tr>
<tr>
<td><strong>Added PG &amp; E Fees</strong></td>
<td>-</td>
<td>$13.78</td>
<td>$13.78</td>
</tr>
<tr>
<td><strong>Monthly Cost</strong></td>
<td>$92.73</td>
<td>$94.30</td>
<td>$98.93</td>
</tr>
</tbody>
</table>

Based on a typical usage of 463 kWh at current PG&E and MCE E-1 rates. Actual differences may vary depending on usage, rate schedule, and other factors. Estimate provided is an average of seasonal rates.
PCIA & Medical Baseline

- PG&E GRC II proposes PCIA to Medical Baseline
- SCE Rate Design Application proposes PCIA to CARE & Medical Baseline
- MCE & Lancaster Choice submit motion for single venue/separate proceeding

<table>
<thead>
<tr>
<th></th>
<th>PG&amp;E</th>
<th>SCE</th>
<th>SDG&amp;E</th>
</tr>
</thead>
<tbody>
<tr>
<td>CCA Customers (not CARE or Medical Baseline)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes (other than residential)</td>
</tr>
<tr>
<td><strong>CCA CARE Customers</strong></td>
<td><strong>Yes</strong></td>
<td><strong>No</strong></td>
<td>No</td>
</tr>
<tr>
<td>CCA Medical Baseline Customers</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Public Hearing Richmond, April 2017
On the Horizon
April Advocate Training

Potential topics:
Regulatory Riddles
Procurement Potential
Deep Green Goals

What would you like to learn?
Additional Slide Options
Rates are temporary. Choice is permanent.
Gen Rates
With PCIA & FF
RATES ARE TEMPORARY
Choice is Permanent

$0.00 $0.01 $0.02 $0.03 $0.04 $0.05 $0.06 $0.07 $0.08 $0.09 $0.10 $0.11 $0.12 $0.13
$/kWh

MCE Light Green % Renewable
MCE Deep Green % Renewable
PGE % Renewable
MCE Light Green $/kWh (incl. additional PG&E fees)
MCE Deep Green $/kWh (incl. additional PG&E fees)
PGE $/kWh


Renewable Content

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
Generation Rates ONLY
RATES ARE TEMPORARY
Choice is Permanent

- MCE Light Green % Renewable
- MCE Deep Green % Renewable
- PGE % Renewable
- MCE Light Green $/kWh
- MCE Deep Green $/kWh
- PGE $/kWh

Choice is Permanent

$/kWh

Renewable Content


$0.00 $0.01 $0.02 $0.03 $0.04 $0.05 $0.06 $0.07 $0.08 $0.09 $0.10 $0.11 $0.12 $0.13

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%