



MCE

A local, not-for-profit electricity provider

OUR MISSION

Address climate change by
reducing greenhouse gas emissions

Renewable Energy

Stable, Competitive Rates

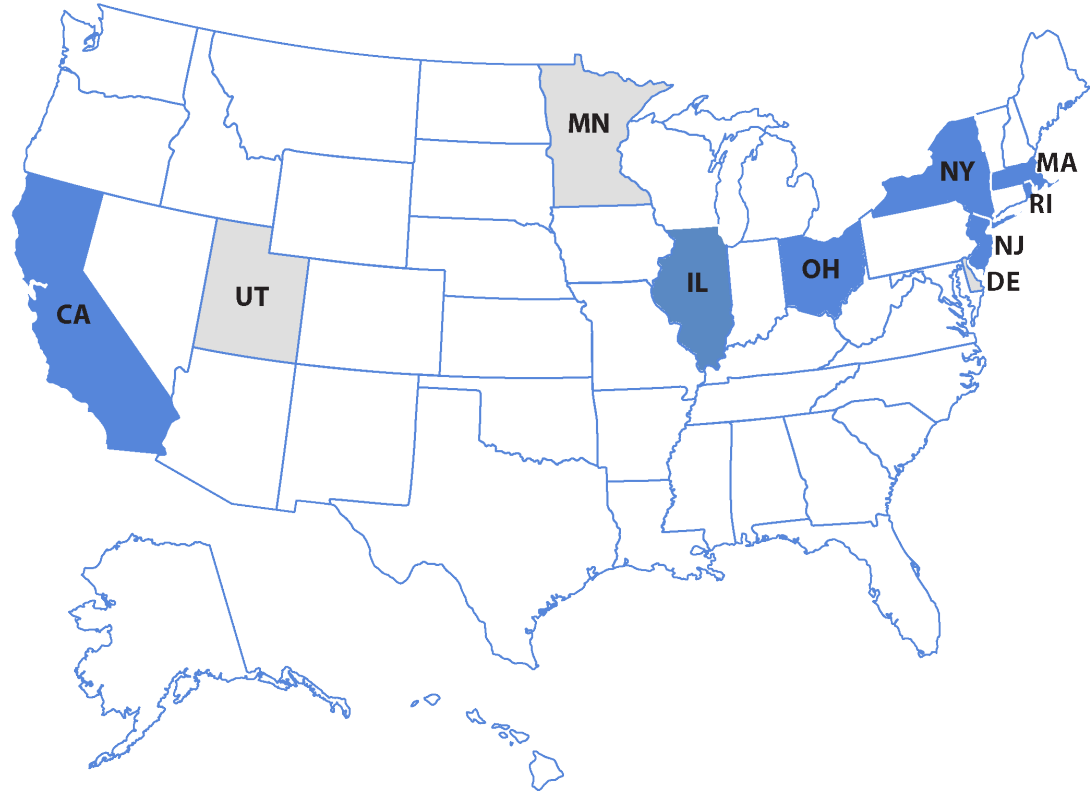
Local Economic & Workforce Benefits

Energy Efficiency

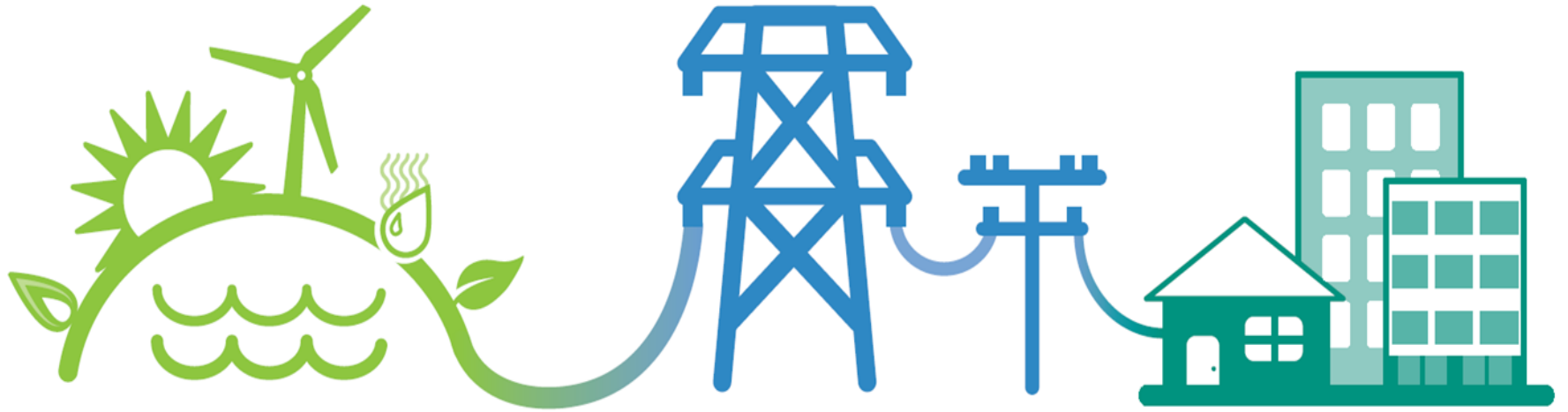


Public Power by Community Choice

7 states adopted
3 states considering



How Electric Service Works



MCE Generation

PG&E Delivery

Same Service

Sample Bill



ENERGY STATEMENT

www.pge.com/MyEnergy

Account No: 1234567890-1

Statement Date: 10/01/2013

Due Date: 10/22/2013

Service For:

MARY SMITH
1234 STREET AVENUE
SAN RAFAEL, CA
94804



ENERGY STATEMENT

www.pge.com/MyEnergy

Account No: 0123456789-0

Statement Date: 12/29/2015

Due Date: 01/19/2016

Service For:

With MCE
Service

Phone: 1-866-743-0335
www.pge.com/MyEnergy

Local Office Address

Your Account Summary

| | |
|--|---------|
| Amount Due on Previous Statement | \$54.14 |
| Payment(s) Received Since Last Statement | -54.14 |
| Previous Unpaid Balance | \$0.00 |
| Current PG&E Electric Delivery Charges | \$34.94 |
| MCE Electric Generation Charges | 39.38 |
| Current Gas Charges | 13.55 |

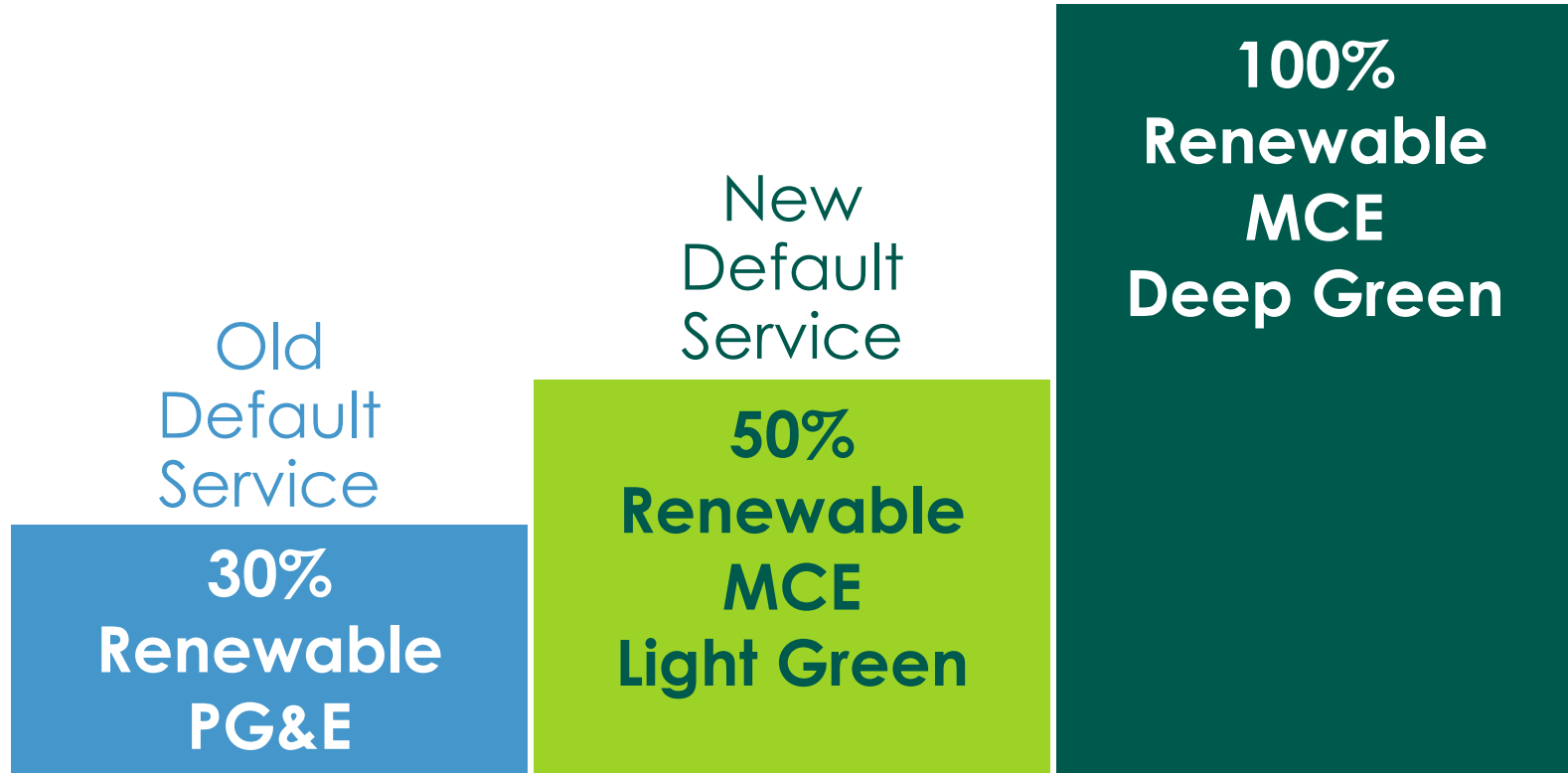
Total Amount Due by 01/12/2016 \$87.87

About MCE

- 2008 | MCE formed
- 2010 | Service launched
- 2016 | Serving 255,000 accounts



Choice Is Power



100% Renewable Options

| | MCE Local Sol | MCE Deep Green |
|---------------------|---------------------------------------|------------------------------------|
| Electricity Content | 100% locally-produced solar | 100% renewable |
| Source | Single project: Solar | Multiple projects: Wind & Solar |
| Location | Cooley Quarry (Novato, CA) | CA |
| Price Premium | \$0.142/kWh (fixed until EOY 2035) | Light Green rate + \$0.01/kWh |
| Availability | ~300 customers: online July 2017 | Unlimited: available since 2010 |

Sample Residential Cost Comparison

| | 30% renewable PG&E | 50% renewable MCE | 100% renewable MCE |
|---------------------|-----------------------|----------------------|-----------------------|
| Electric Delivery | | \$54.25 | |
| Electric Generation | \$43.78 | \$30.26 | \$34.71 |
| Added PG&E Fees | - | \$13.25 | \$13.25 |
| Monthly Cost | \$98.03 | \$97.76 | \$102.21 |

Based on a typical usage of 445 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.

Discount Programs

Discount programs remain the same with MCE service.

CARE, FERA, and Medical Baseline Allowance are provided in full to MCE customers; **no need to reapply.**

Where does the power come from?

Power Suppliers

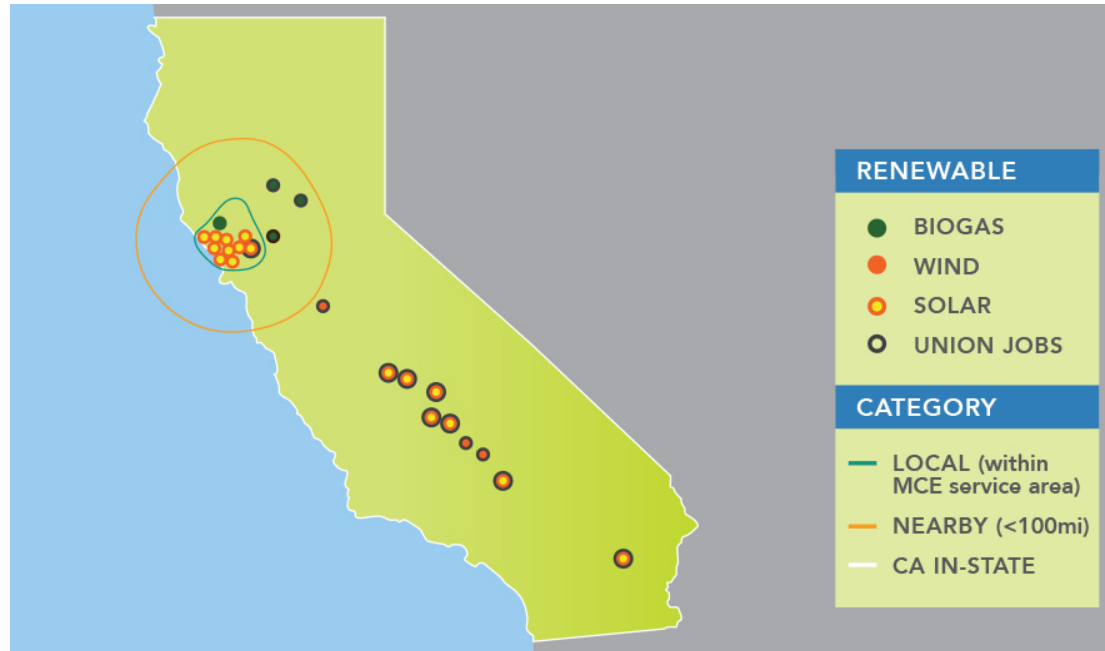


New California Renewables

\$1.6 Billion
committed

535 MW new solar
266 MW new wind
12 MW new biogas

24 Projects 813 megawatts



California Jobs

2,800+ jobs
supported

1.2M+ union
work hours
created



Local Control



19 Board Members. Elected officials. No tax dollars.

Community Benefits

Not-for-profit,
public
agency

+

No
shareholders

=

Local
Reinvestment

Solar Cash Out

\$1 Million+
earned by
solar
customers
in 2016

City of Benicia: \$100,000+

West Contra Costa School District : \$28,000+



MCE Feed-In Tariff (FIT) Program

Turn your unused space into a revenue stream

One of the most competitively priced FIT programs in California

Advantages of FIT contracts;

- 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 |
|---------------|--------------|



Local Sol | Cooley Quarry

- Online July 2017
- 11.5 acre brownfield site
- 17 jobs supported
- Partners: REP Energy and Danlin Solar
- 100% local solar service available for ~300 customers

1 MW

ground-mounted
solar in Novato

Novato Buck Institute

1 MW carport shade structure



- Online April 2016
- 25 jobs supported
 - Cupertino Electric, IBEW 1245 signatory contractor
- Negotiated as part of 23 MW of new central CA solar with EDF Renewable Energy



MCE Solar One

- Under construction, expected online Q4 2017
- Chevron brownfield site
- 341 jobs supported
 - 50% local hire requirement
- Partners: City of Richmond, Cenergy Power, RichmondBUILD; Chevron

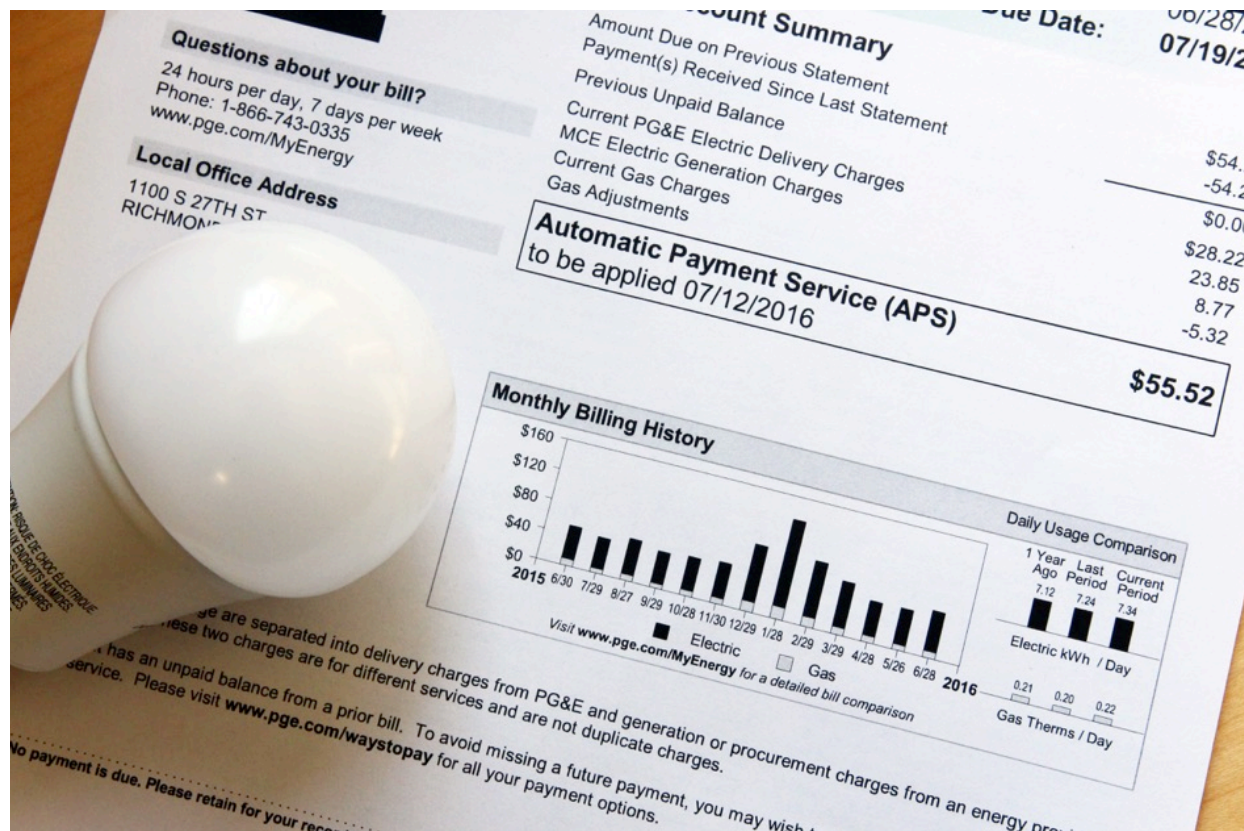
10.5 MW

ground-mounted
solar in Richmond

Energy Savings Programs

Rebates provided:
\$900,000

H₂O saved:
15 Million+ gal



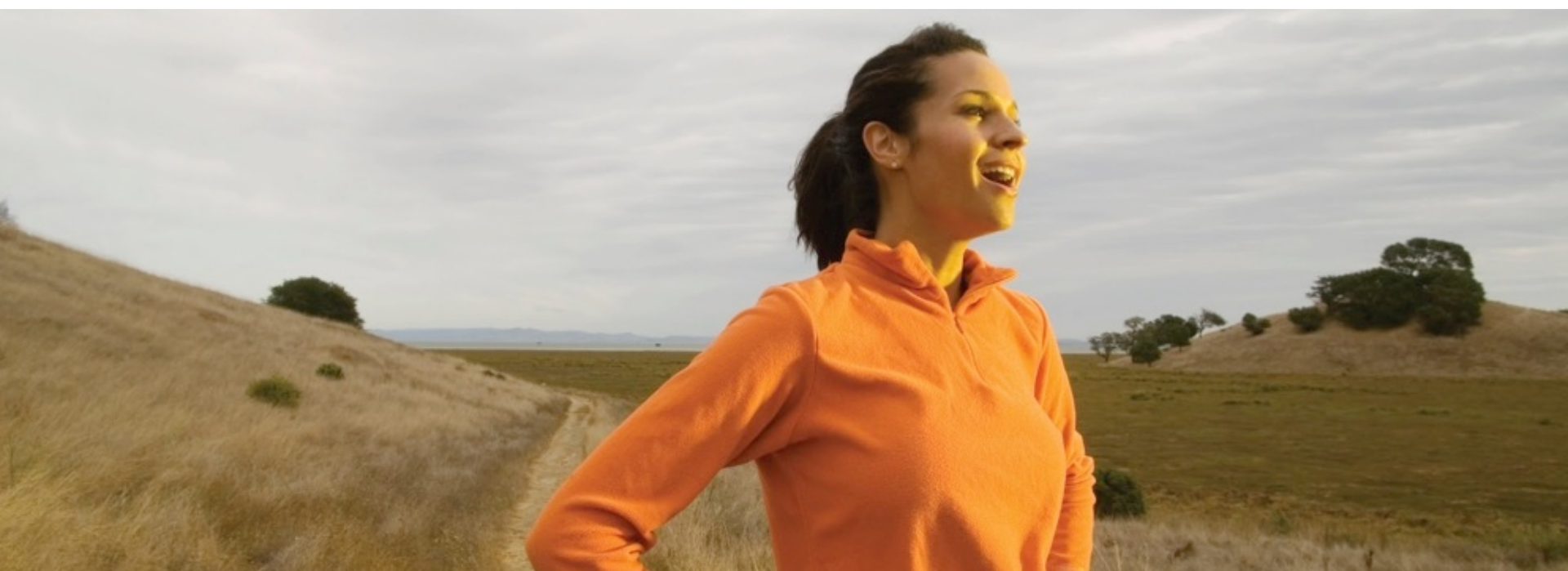
MCE customers
eliminated
185,751 metric
tons of
greenhouse
gas emissions,
2010-2015

equivalent to taking 39,237 cars
off our roads for an entire year



Light Green Power Content Goal

75% carbon-free by 2017 & 100% carbon-free by 2025



California Community Choice

2010



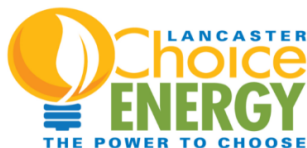
2014



2016



2015



2017



Before MCE

No choice of electric service provider

Default service =
30% renewable energy

Investor-owned
decision-making
(via shareholders)

With MCE

Choice of electric service provider

Default service =
50% renewable energy

Community-based
decision-making
(via Board Members)

We Can
Change
Our Future



Thank You!

info@mceCleanEnergy.org

mceCleanEnergy.org



Additional Slide Options

24 Member Communities

Marin County + 11 cities

Richmond

San Pablo

Benicia

El Cerrito

Napa County + 5 cities

Lafayette

Walnut Creek



33 Member Communities

Marin County
+ 11 cities

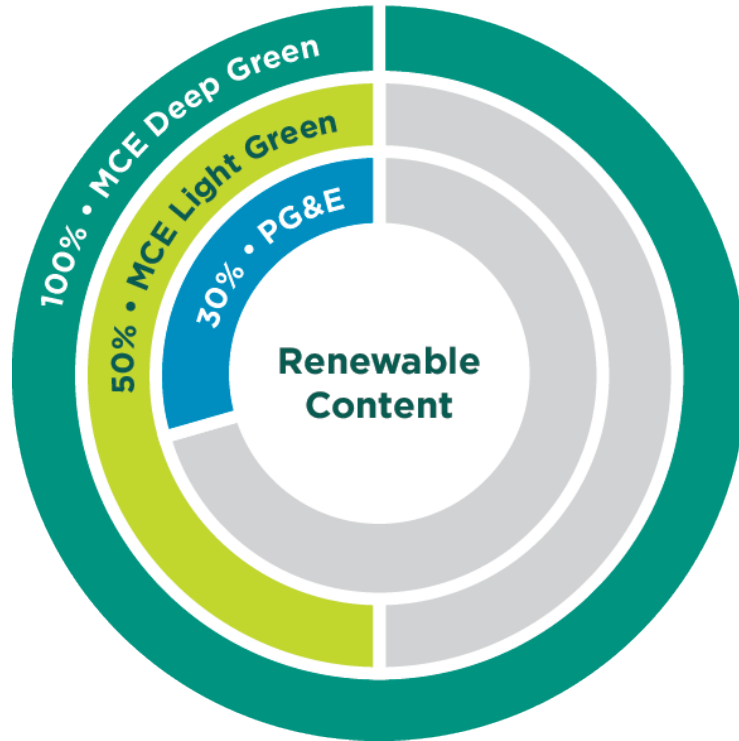
Benicia

Napa County
+ 5 cities

Contra Costa County
+ 13 cities



Choice Is Power



2017 Deep Green Power Mix

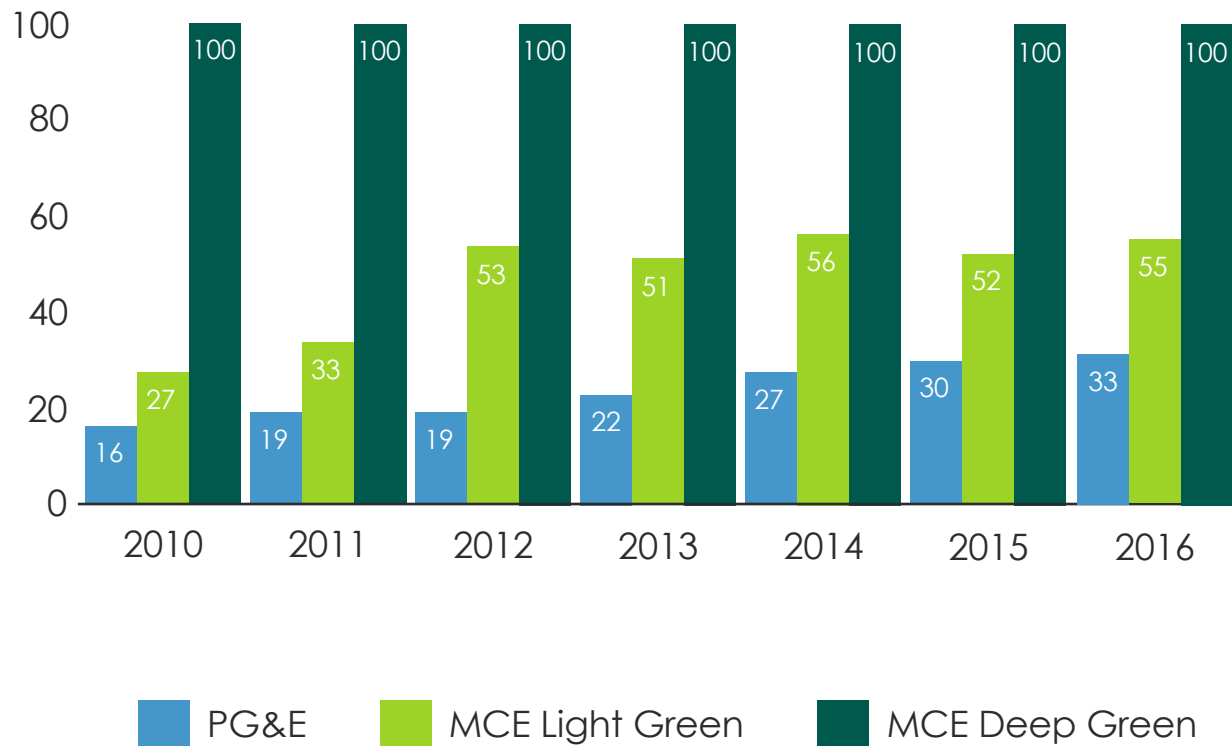
50% CA Solar



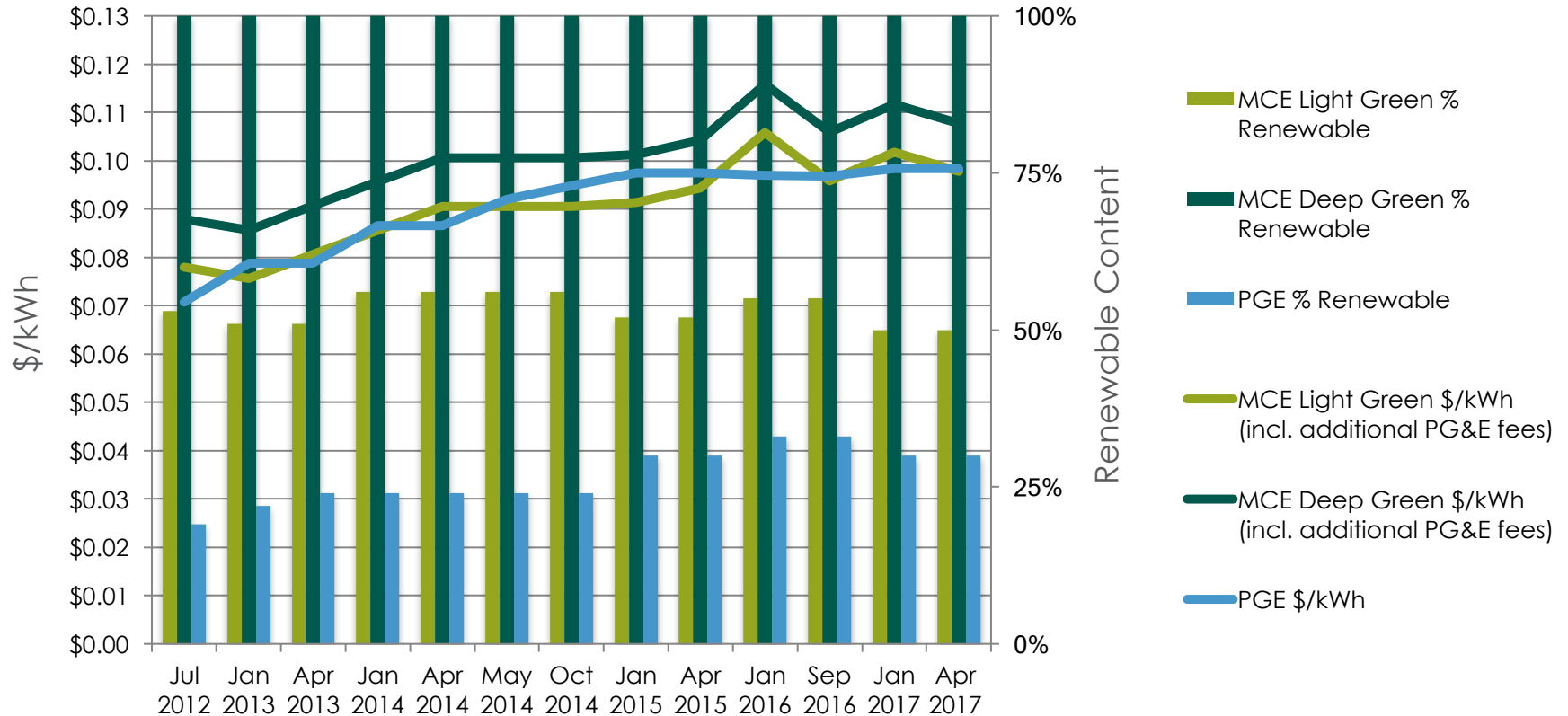
50% CA Wind



Growing Renewable Content



MCE and PG&E Rates and Renewable Content Over Time



San Rafael Airport

1 MW hanger rooftop solar



- Completed 2012
- 20 jobs supported
 - Marin City Community Development Corp & CLP Resources
- Project Partners: JHS Properties, Synapse Electric

Freethy Industrial Park

2 MW



- Richmond
- February 2017
- 26 jobs supported
 - RichmondBUILD
- Ground Mounted Solar
- \$550,000 yearly revenue
- Powering 600 homes per year

Solar
rebates for
low-income
residential
customers

\$75,000 allocated
2016-2017

61 solar installations supported; 39 available
Partnership with GRID Alternatives



Proposition 16 (2010)

Would have required a 2/3 vote for the launch of a CCA

Sponsored by PG&E; MCE restricted from lobbying activities

Failed in popular vote
(47.7% to 52.3%)

\$46 Million

spent by PG&E
to prevent CCA launch



\$3.3 Million



cost of MCE formation
and launch

Rooftop Solar Customers

- Premium rates (retail + \$0.01/kWh) paid by MCE
- MCE credits never zero out & offers cash-out
- PG&E will send true-up bill at start of MCE service
 - All charges incurred since last true-up (usually annual) and credits will be zeroed out
 - Solar customers may delay MCE enrollment or start early to align with scheduled PG&E true-up



Pacific Gas & Electric Monopoly Utility

2007
Electricity
Sources

