



# MCE

A local, not-for-profit electricity provider

# 33 Member Communities

Marin County  
+ 11 cities

Benicia

Napa County  
+ 5 cities

Contra Costa County  
+ 13 cities



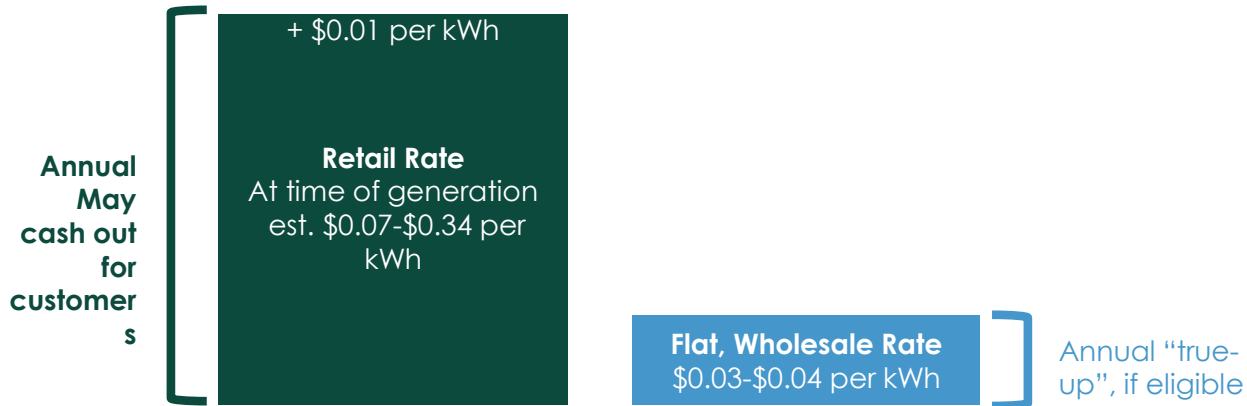
# Rooftop Solar Customers

- Premium rates (retail + \$0.01/kWh) paid by MCE
- MCE credits roll over continuously each year (limit of \$5,000)
- 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

# Differences Between PG&E's and MCE's NEM Programs

MCE'S NEM PROGRAM	PG&E'S NEM PROGRAM
MCE pays a premium rate (MCE's full retail rates + \$0.01/kWh) for excess electricity.	PG&E credits excess monthly generation at standard rates.
Excess credits continuously roll over each month and never zero out. At the end of April, MCE will offer you a check for the full amount of your credit balance if it exceeds \$100.	PG&E zeros out your credits by forcing you to forfeit your excess credits through an annual true-up process.
MCE bills monthly, so your annual true-ups are smaller.	PG&E sends a year's worth of charges at your true-up.
If you use more electricity than you produce, you'll still support 50–100% renewable energy.	PG&E's renewable energy content is 30%.

# Differences Between PG&E's and MCE's NEM Programs



## MCE

Customer is eligible for cash out of any accrued generation credits (i.e. at retail rate) up to \$5000 annually

Remaining balances roll over continuously up to \$5000 annually

## PG&E

Any excess accrued credits are **forfeited** annually

If overall kWh is negative (i.e. produced more kWh than used), pays a flat, wholesale rate of \$0.03-\$0.04 per kWh

\$1 Million+  
earned by  
solar  
customers  
in 2016

# Solar Cash Out

City of Benicia: \$100,000+

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



- Allocated \$155,000 in solar rebates to low-income customers
- Helped fund 87 solar installations for low-income families → 186 kW of new, local solar
- \$1.5M in expected energy savings for low-income families from avoided electricity costs
- Estimated 3,000 metric tons of GHG emissions eliminated



Low-income solar rebates (2012-2018)

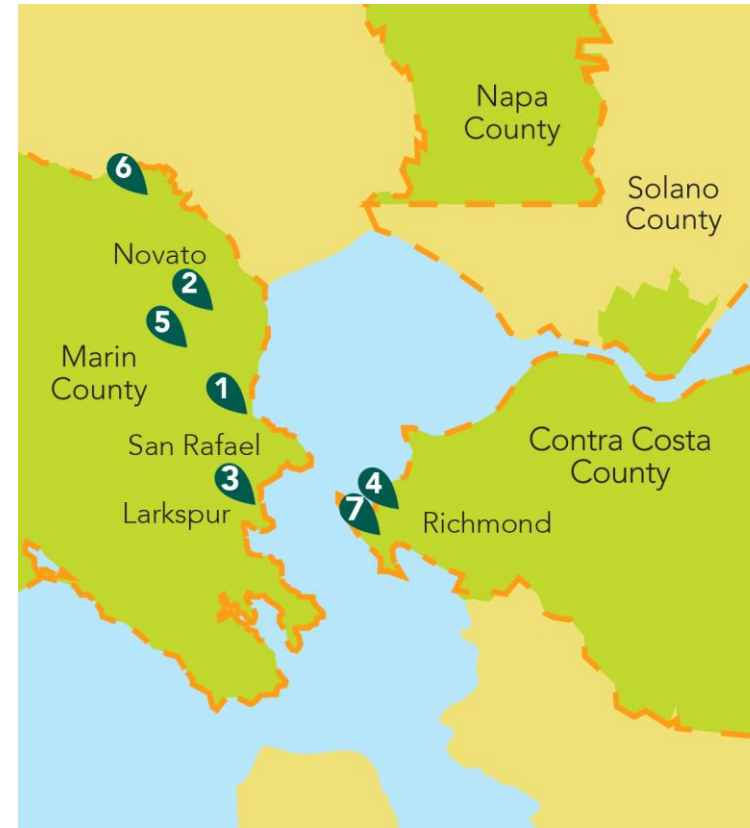
# The Face of Local Energy Projects



Seven local energy projects throughout our service area

# Local Renewable Energy Projects

Project	Online	Type	Size
1 San Rafael Airport	2012	FIT	1 MW, rooftop solar
2 Buck Institute	2016	PPA	1 MW, carport solar shade structure
3 Cost Plus Plaza	2016	FIT	0.265 MW, rooftop solar
4 Freethy Industrial Park	2016	FIT	2 MW, ground mounted solar
5 Cooley Quarry	2017	FIT	1 MW, ground mounted solar
6 Redwood Landfill	2017	PPA	3.6 MW, bioenergy plant
7 MCE Solar One	2017	PPA	10.5 MW, ground mounted solar



19+ MW powering 10,000 homes

# 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

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PROJECT SIZE	265 kilowatt
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INSTALLATION TYPE	Rooftop
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EST. ANNUAL REVENUE	\$75,000
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EST. 20 YEAR REVENUE	\$1 Million+
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HOMES POWERED	90 per year
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## FREETHY INDUSTRIAL PARK CASE STUDY

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PROJECT SIZE	Two–1 megawatt
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INSTALLATION TYPE	Ground Mount
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EST. ANNUAL REVENUE	\$550,000
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EST. 20 YEAR REVENUE	\$10 Million+
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HOMES POWERED	600 per year
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10.5 MW

ground-mounted  
solar in Richmond

# MCE Solar One

- Online Q4 2017
- Chevron remediated brownfield site
- 341 jobs supported
  - 50% local hire requirement
- Partners: City of Richmond, sPower, Cenergy Power, Chevron, RichmondBUILD

# Thank You!

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