



# Update on MCE's Green Energy in Napa County

June 2018

## OUR MISSION

Address climate change by  
reducing greenhouse gas emissions

**Renewable Energy**

**Stable, Competitive Rates**

**Local Economic & Workforce Benefits**

**Energy Efficiency**

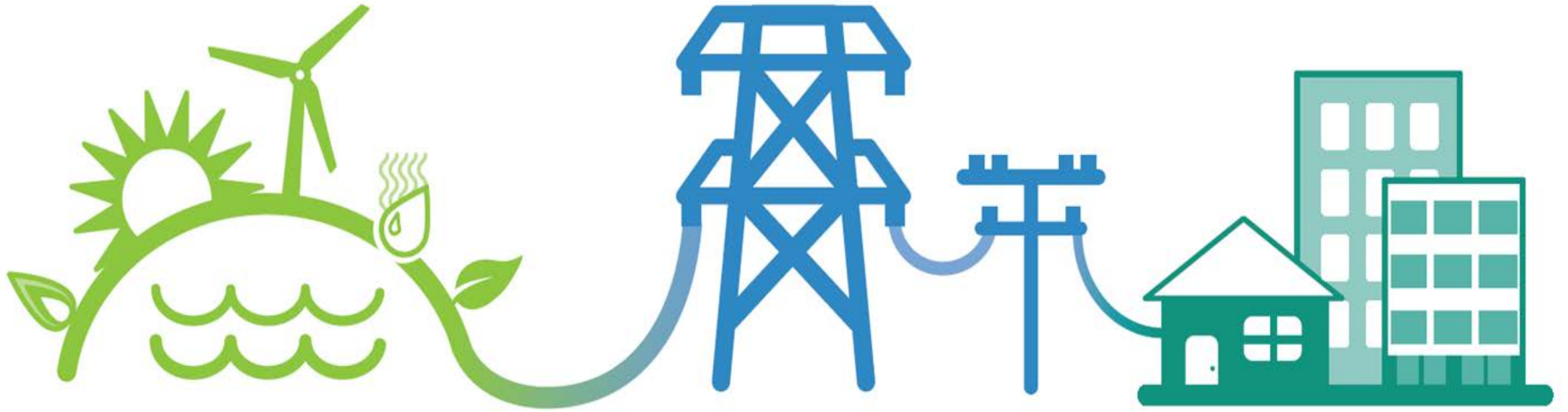


# Local Control



27 Board Members. Elected officials. No tax dollars.

# How Electric Service Works

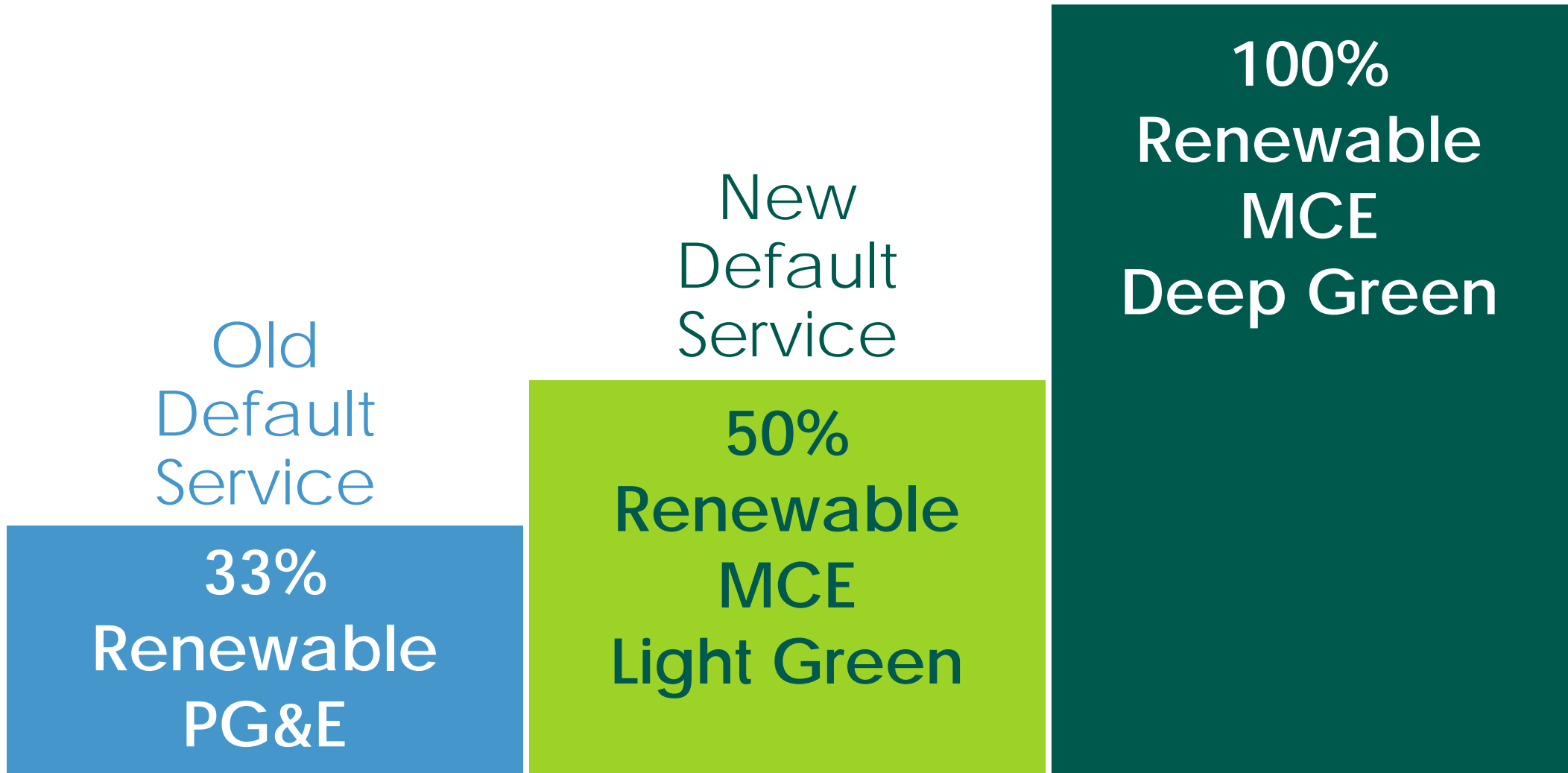


MCE Generation

PG&E Delivery

Same Service

# Choice Is Power



# Sample Residential Cost Comparison

	50% renewable MCE	33% renewable PG&E	100% renewable MCE
Electric Delivery	\$55.42		
Electric Generation	\$30.67	\$48.62	\$35.18
Added PG&E Fees	\$15.34	-	\$15.34
<b>Monthly Cost</b>	<b>\$101.43</b>	<b>\$104.04</b>	<b>\$105.94</b>

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.

# Rooftop Solar Customers

## MCE

## PG&E

**Premium rates** for excess solar generation

**Standard rates** for excess solar generation

**Excess credits roll over** year after year\*\*

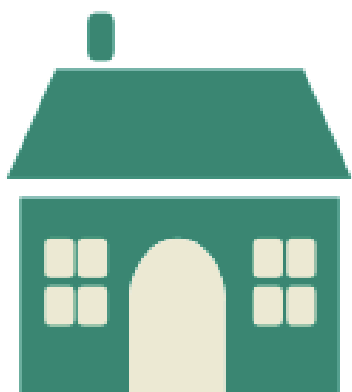
**Excess credits are zeroed out** after your true-up

**No annual** true-up

**Annual** true-up

**50% or 100% renewable energy service** when you use energy from the grid

**33% renewable energy service** when you use energy from the grid



Solar customers may delay MCE enrollment or start early to align with scheduled PG&E true-up

\*\*Unless we write you a check for your excess generation during our Cash Out, limit of \$5,000

# 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





# Napa County Renewable Energy

Future green generation projects through FIT :

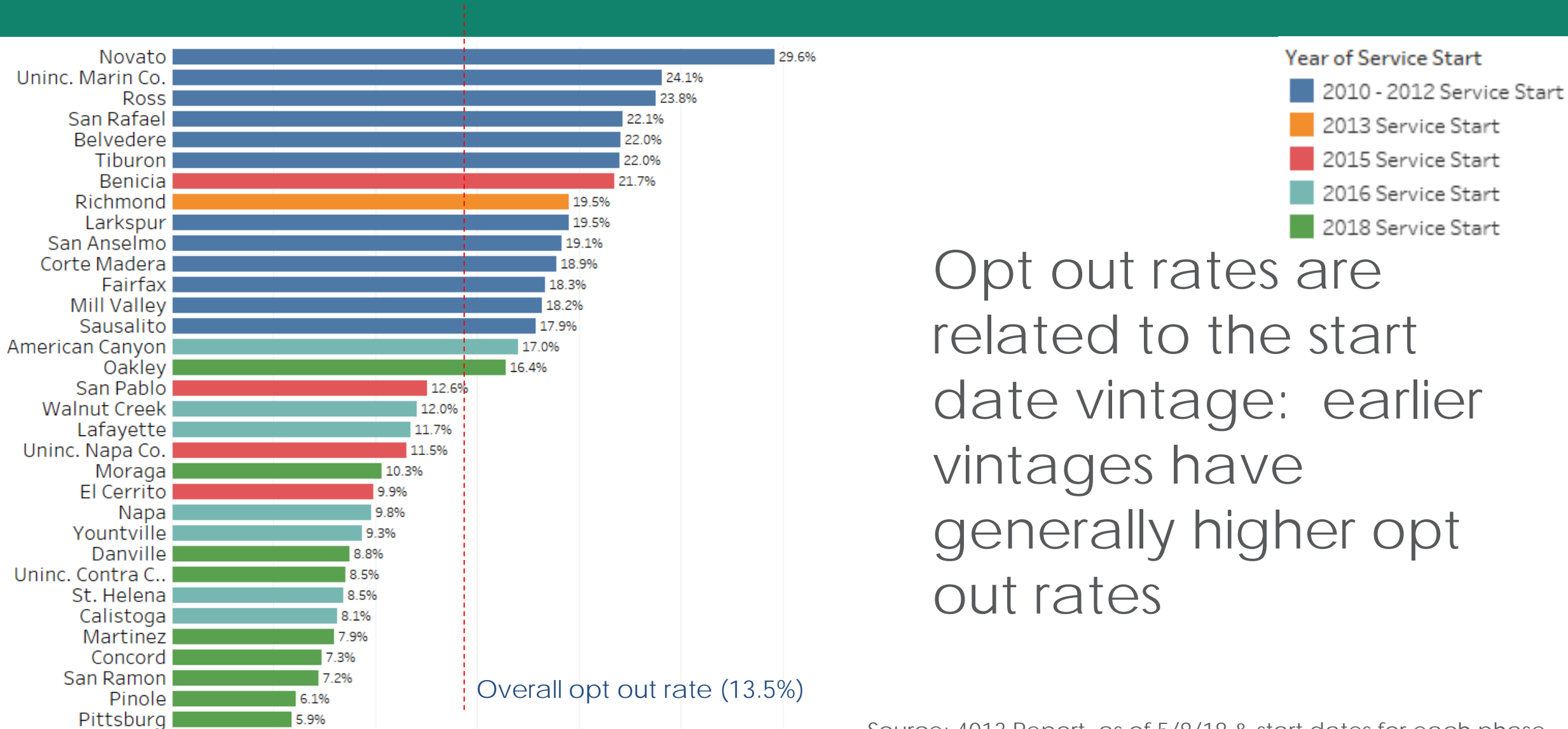
- Marin – 5 projects totaling 4.75MW
- Napa – 3 projects totaling 3MW
- American Canyon – 3 projects totaling 3MW

\*Specific locations will be announced once developers have finished land use process.



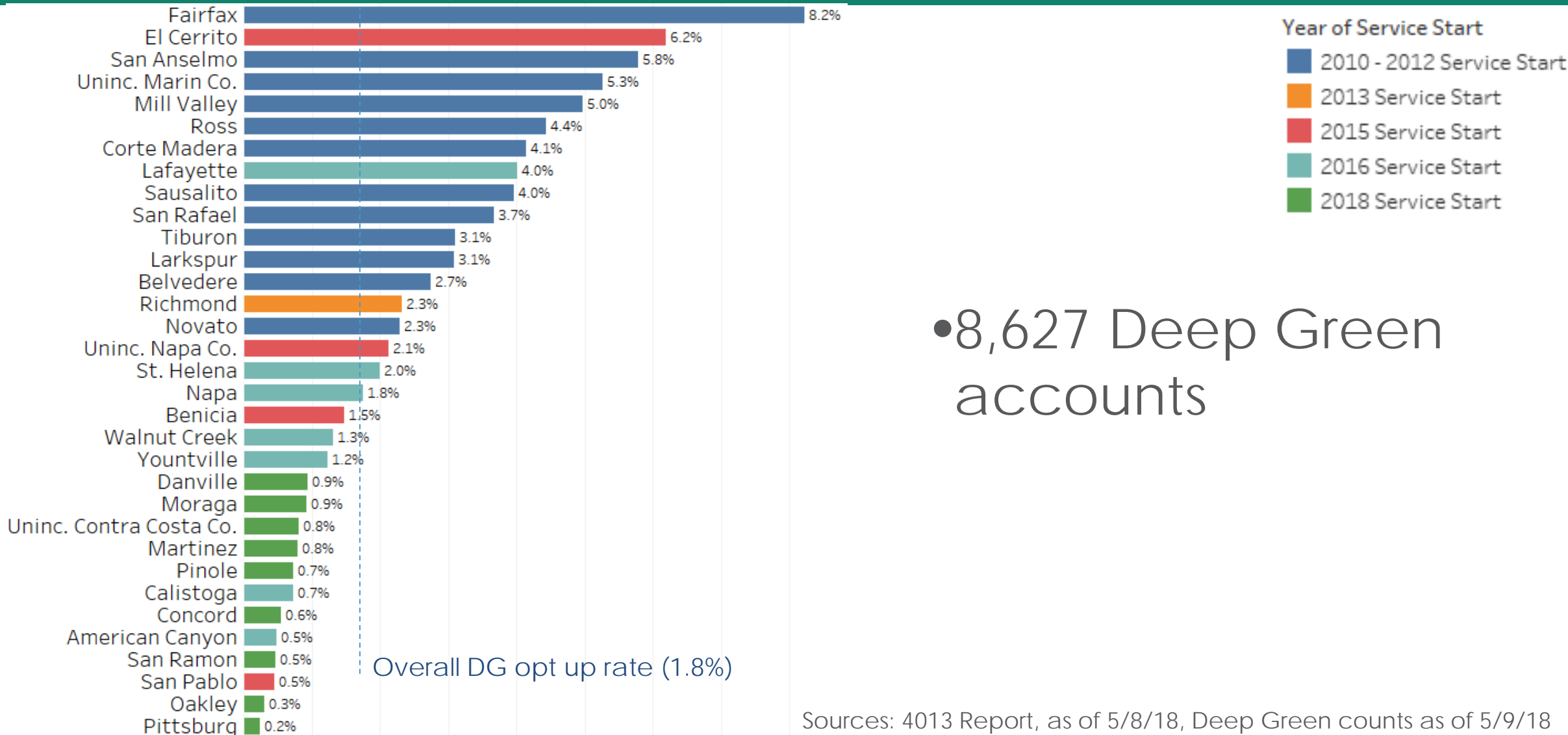
Current FIT offering: \$85/MWh

# Opt Outs by Service Start Date



Opt out rates are related to the start date vintage: earlier vintages have generally higher opt out rates

# Deep Green Opt Ups by Phase



• 8,627 Deep Green accounts

# Totals, as of 5.8.18

## Deep Green

930 total opted up accounts

1<sup>st</sup> Napa City: 523

2<sup>nd</sup> Napa County: 291

3<sup>rd</sup> St. Helena: 63

4<sup>th</sup> American Canyon: 25

## Opt Outs

6,684 total opted out accounts

Calistoga 8.14%

St. Helena 8.45%

Yountville 9.32%

Napa City 9.79%

Napa County 11.53%

American Canyon 16.99%

# Napa County Climate Action



## NAPA COUNTY CLIMATE ACTION PLAN



FINAL MARCH, 2012

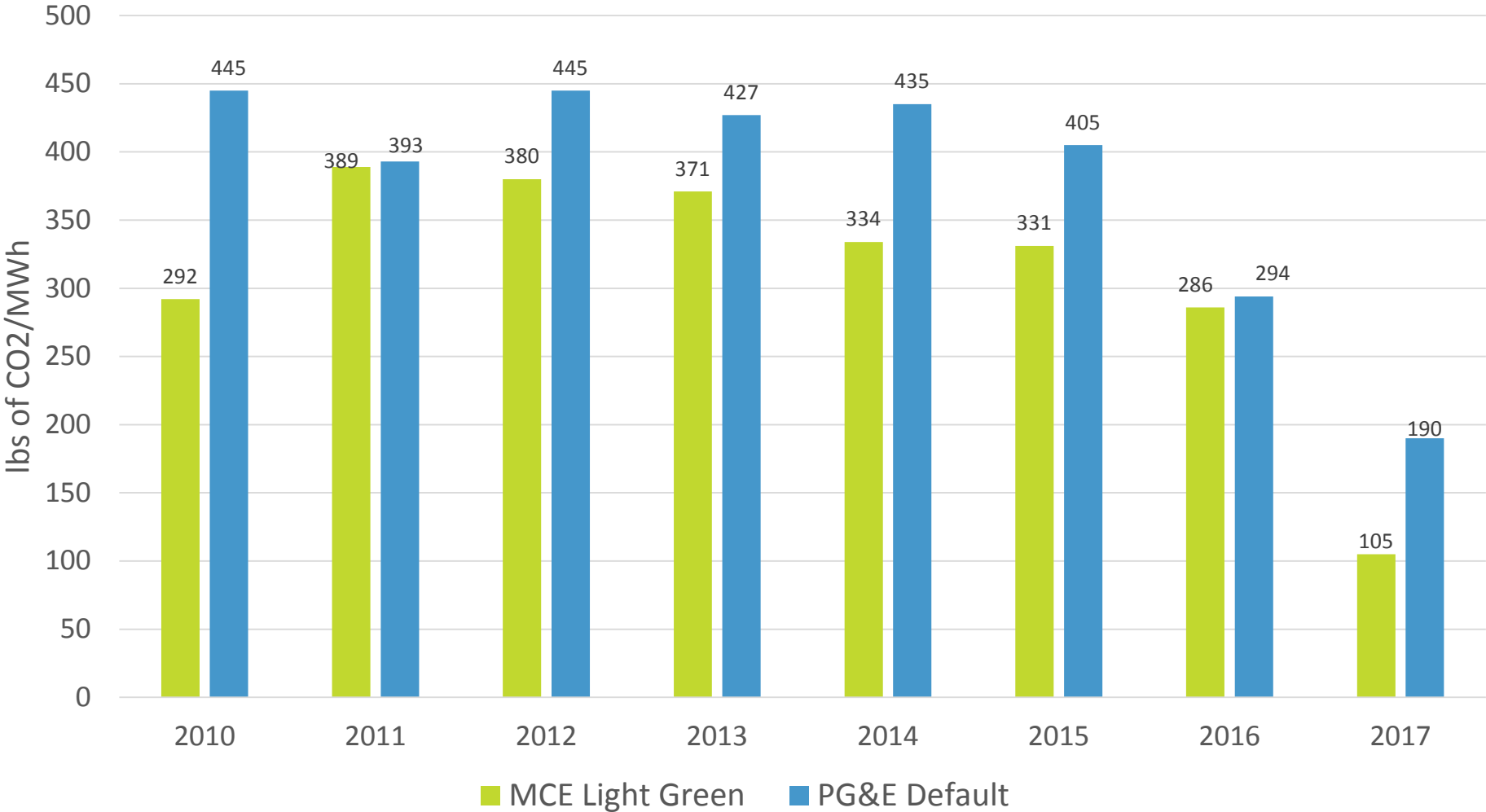
Deep Green participation identified as key CAP measure to meet 2020 goal at community and municipal level

2.5%

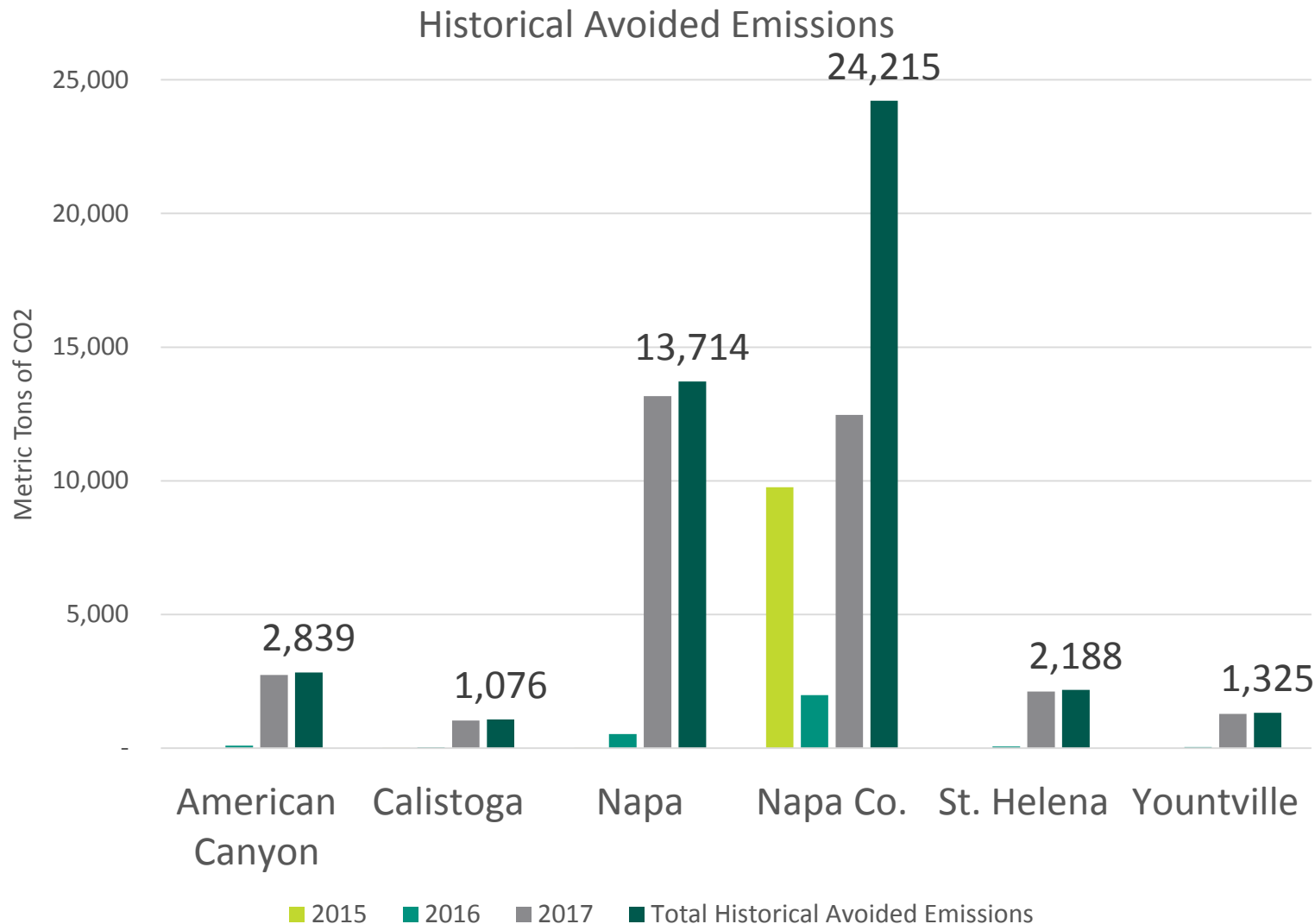
Contribution towards 2020 target with Municipal DG Enrollment

# MCE vs PG&E Comparison

MCE & PG&E Historical Emission Factor Comparison



# GHG Emissions Avoided



Napa County along with the five incorporated communities have collectively avoided **45,356 metric tons** of CO2 from 2015 to 2017 due to MCE service.

# MCE Napa County Fire Rebuild Program

Partnership with Napa County, BAAQMD, BayREN, and PG&E

- MCE will receive up to \$1 million for electrification and solar PV rebates for single family homes in Napa County
- Soft launch June 1 2018, thru December 31 2020.
- 500 eligible residents; 15% expectation participation.
- Additional incentives for income-qualified households.





# BRIDGE Housing at Napa Creekside

Partnership with Napa County, the Gasser Foundation, MCE

- Property has 3 buildings and 74 units.
- Some measures to be installed: low-flow kitchen and bath aerators, low-flow showerheads, recirculation pump demand controls, ductless mini split heat pumps, energy star refrigerators, interior and exterior lighting.
- Estimated completion Q4 2018.



# Napa Park Homes

## Partnership with Napa Valley Community Housing

- Napa Park Homes is a complex with 18 buildings and 140 units owned by Napa Valley Community Housing.
- Phase 1: MCE's MF EE installs measures in 40 units.
- Phase 2: LIFT Pilot provides additional incentives to install fuel switching heat pumps.



# Electric Vehicle & Charging Program

## Charging

Workplaces &  
Multi-family

\$1,610-\$2,500/port

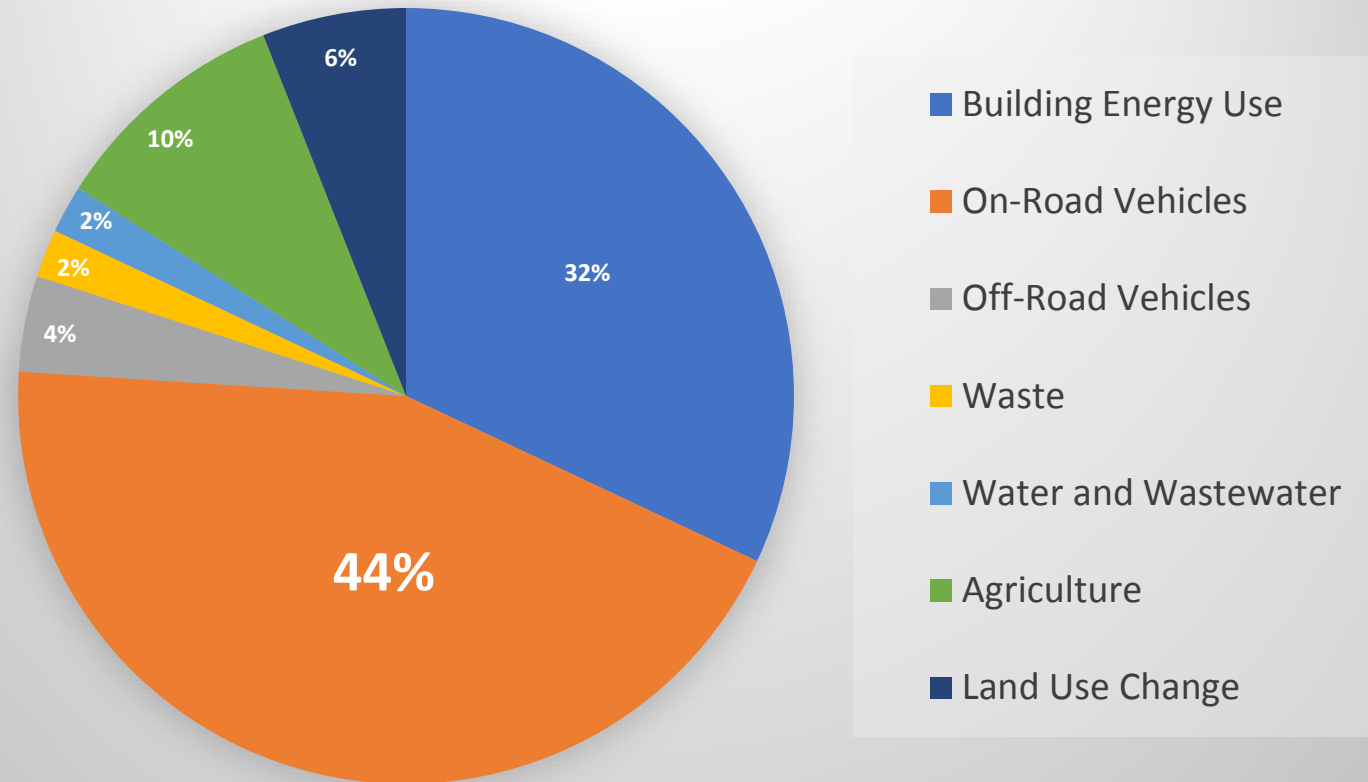
## Vehicles

Low-Income

New or Used

\$3,500/vehicle

Napa County GHG Emissions in 2020



Fun Fact: employees are 20x more likely to drive an EV if there is charging equipment at their office (DOE, 2014)

# EV+EVSE Program



## Timeline

- Feb-May: Program Design, stakeholder engagement
- May: Phase 1 and Phase 2 launch
- May-Dec: Sales & marketing to build pipeline of leads for EVSE and EV program participants

## Phase 1

- Leveraging PG&E's Existing EV charge network to build *10+ chargers/site* on sites in MCE service area
- PG&E pays for 100% of electricity supply infrastructure and 25-100% of charging equipment
- MCE will provide additional rebate to cover additional cost of charging equipment

## Phase 2:

- MCE provides rebate for up to full cost of charger installation for sites not qualified for PG&E EVSE program
- For sites building **1-20 chargers/site**, targeting commercial and multifamily unit customers
- Low-income qualifying rebate for up to \$3,500 for a new or used EV

Thank You!

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[mceCleanEnergy.org](http://mceCleanEnergy.org)



# MCE's Charles F. McGlashan Advocacy Award

This award honors and commemorates the life and legacy of environmental leadership of former founding MCE Chairman, Charles F. McGlashan.

The award recognizes passion, dedication, and leadership in promoting MCE's mission.



2016 winner: Sustainable Napa County

# Napa County Deep Green Champions

Jackrabbit Farms  
State Farm Insurance, Mike  
Hammer  
Hennessey House Bed &  
Breakfast  
Napa Valley Vitners  
The Gasser Foundation  
Paupaiz Coffees  
Syar Industries  
Clif Family Winery & Farm  
Honig Vineyard & Winery  
Hagafen Cellars  
McEvoy Ranch  
Auberge Du Soleil



Thank you Deep Green Napa Valley businesses!

# California Community Choice

2010



2014



2016



2015



2017





# 33 Member Communities

Marin County  
+ 11 cities

Benicia

Napa County  
+ 5 cities

Contra Costa County  
+ 13 cities



Earned by solar customers

2016: \$1 M

2017: \$1.3 M

2018: \$1.8 M

3,223 eligible NEM accounts in Napa County

2019 will see a \$5,000 cap

# Solar Cash Out

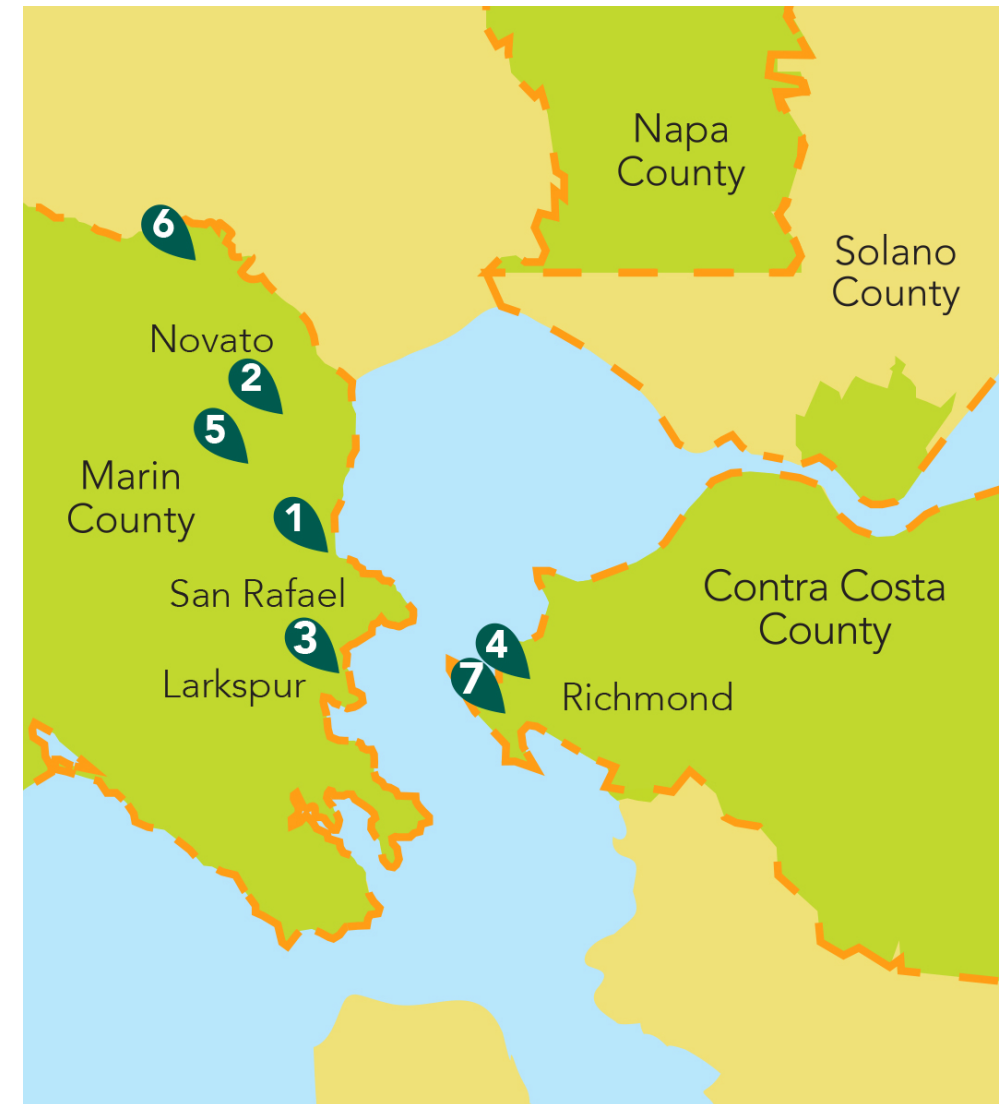
City of Benicia: \$100,000+

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



# 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

# Energy Efficiency Savings 2013-2016

