



# Marin Clean Energy

## A Community Choice Aggregation Program

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- Exploring energy options for electricity customers in unincorporated Solano County
- A presentation by California's longest-serving community choice aggregation program (CCA)

Presented to Board of Supervisors  
on September 11, 2018  
Department of Resource Management



# Community Choice Aggregation (CCA) Program

- **What is a CCA?**
  - Procures electricity sourced primarily from renewables:
    - Wind
    - Solar
    - Small Hydroelectric
    - Biomass & Biowaste
  - Serves as an alternative to the Investor Owned Utility (IOU), such as Pacific Gas and Electric (PG&E), for electricity only
  - Purchases electricity from private power generators
  - Uses PG&E grid to deliver electricity to CCA customers
  - Provides comparable rates to PG&E
  - Customers can opt out any time and remain a PG&E customer



# Legislative History

- **Legislative Rise of CCAs**
  - September 2002 – AB 117
    - Authorizes local governments to combine electricity load of its community in a CCA through a JPA
  - September 2006 – AB 32
    - Statewide goal to reduce GHG emissions to 1990 levels by 2020
  - June 2011 – Solano County Board of Supervisors adopt Climate Action Plan in response to 2008 General Plan and AB 32



# Where do CCAs Stand Today?

## ■ CCAs Then and Now

- 2008 – MCE is the first CCA in California  
2018 – 18 CCAs statewide
- 2010 – MCE begins service in Marin County only  
2018 – MCE provides service to 33 communities
- 2014 – MCE makes initial invite but requires funding by Solano County  
2018 – MCE offers to waive participation costs
  - Solano County staff recommends MCE host public workshop and conduct outreach to Solano County Farm Bureau, Solano County Agricultural Advisory Committee, and Solano Resource Conservation District to determine interest of the unincorporated



# Board Considerations

- **Evaluate Implementation of CCA for Unincorporated**
- **Consider Joining MCE through JPA**
  - Requires adoption of an Ordinance and Resolution by Sept. 15
  - Service starts in 2020
- **Consider Further Analysis**
  - Delays participation with MCE, or other CCA, until 2021 or later
- **No Action: PG&E Remains Sole Energy Provider**
  - Delays participation with MCE, or other CCA, until 2021 or later



# 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

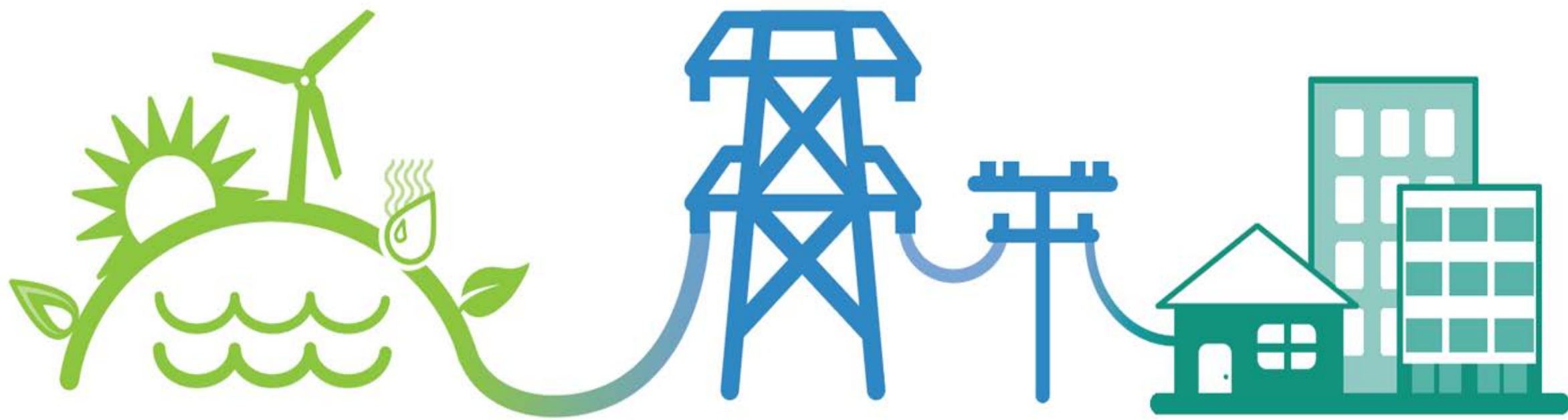
Marin County  
+ 11 cities

Benicia

Napa County  
+ 5 cities

Contra Costa County  
+ 13 cities



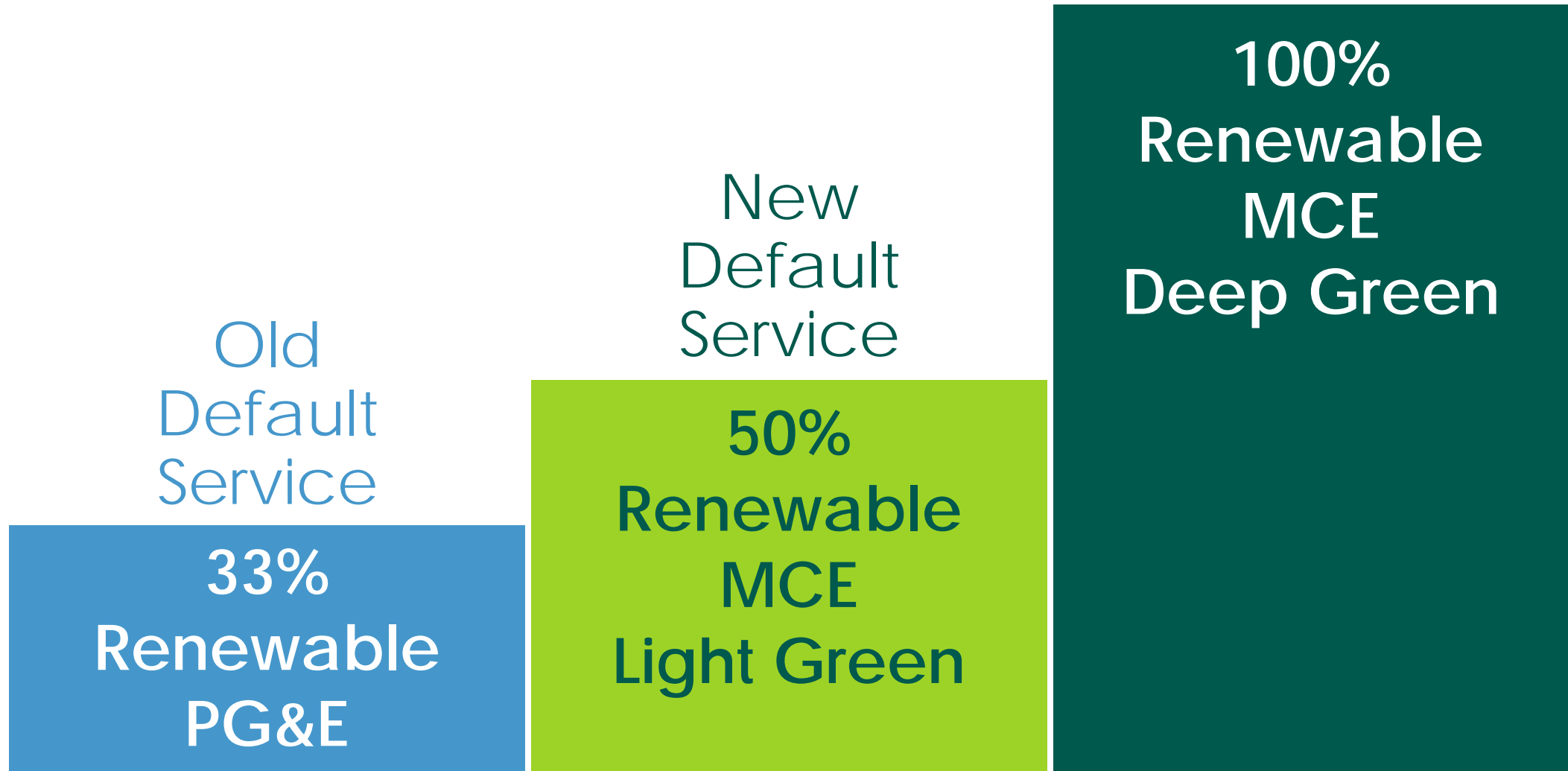


MCE Generation

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.

# Local Control



28 Board Members. Elected officials. No tax dollars.



## Community Benefits

# 2019+ Customer Programs

- \$6.9M Energy Efficiency offerings:
  - Residential (single family & multi-family); Agricultural; Commercial & Industrial
- Agricultural program design
  - Solano County's input welcome;
  - Opportunity to help shape program

# MCE's Successes

\$1.8 Billion Committed  
to new California  
Renewables

2,800+ jobs supported

1.3 M+ union work  
hours created

>300,000 metric tons of  
CO2 reduced (2010 –  
2017)



66,000 cars

Off the Road For A Year

# *Before MCE*

**No choice** of electric service provider

Default service =  
**33% 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)

# Thank You!

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

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@mceCleanEnergy





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