



# Marin Clean Energy

California's First Community Choice Aggregation Program



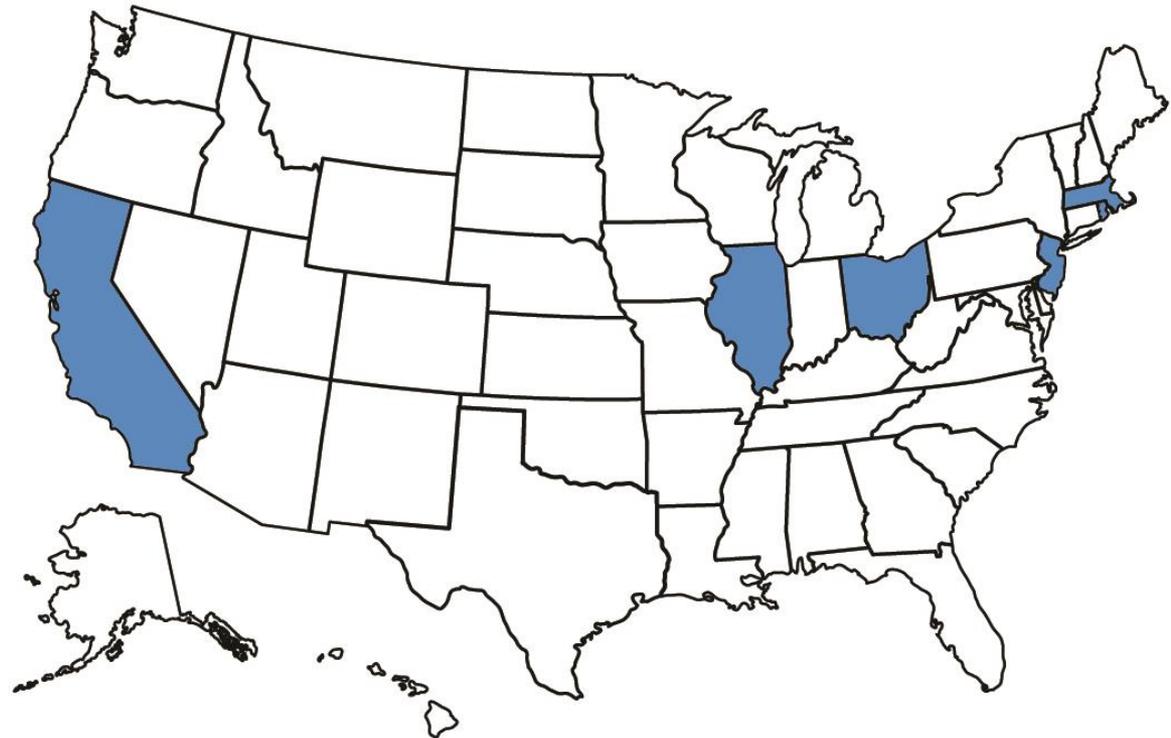
# Community Choice Aggregation (CCA)

## Assembly Bill 117, 2002

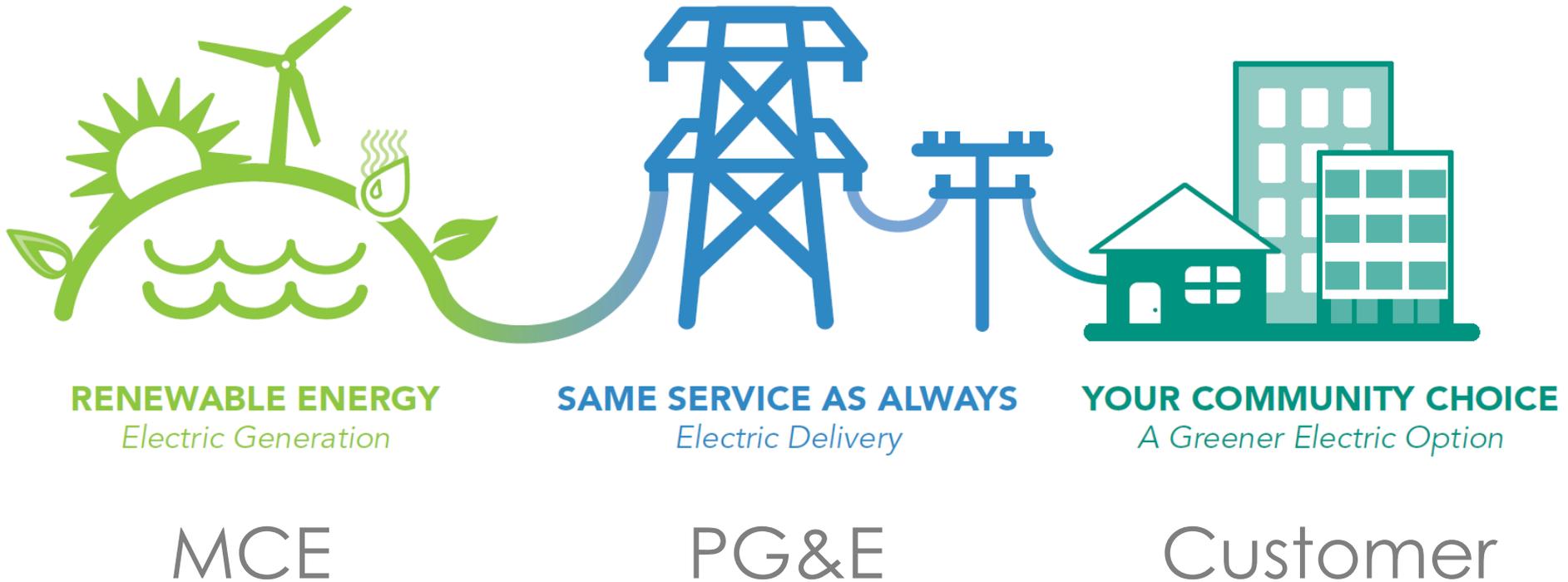
CCA allows communities to pool their electricity demand in order to purchase power on behalf of residents, businesses, and municipal facilities.

### CCAs in 6 States

- California
- Illinois
- Massachusetts
- New Jersey
- Ohio
- Rhode Island



# A Hybrid Approach



# About MCE

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Agency formed in 2008

May 2010 service start

125,000 MCE customers in Marin & Richmond  
(approx. 77%)

+67,500 tons of GHG reductions



# MCE Board of Directors

13-Member Board of Directors

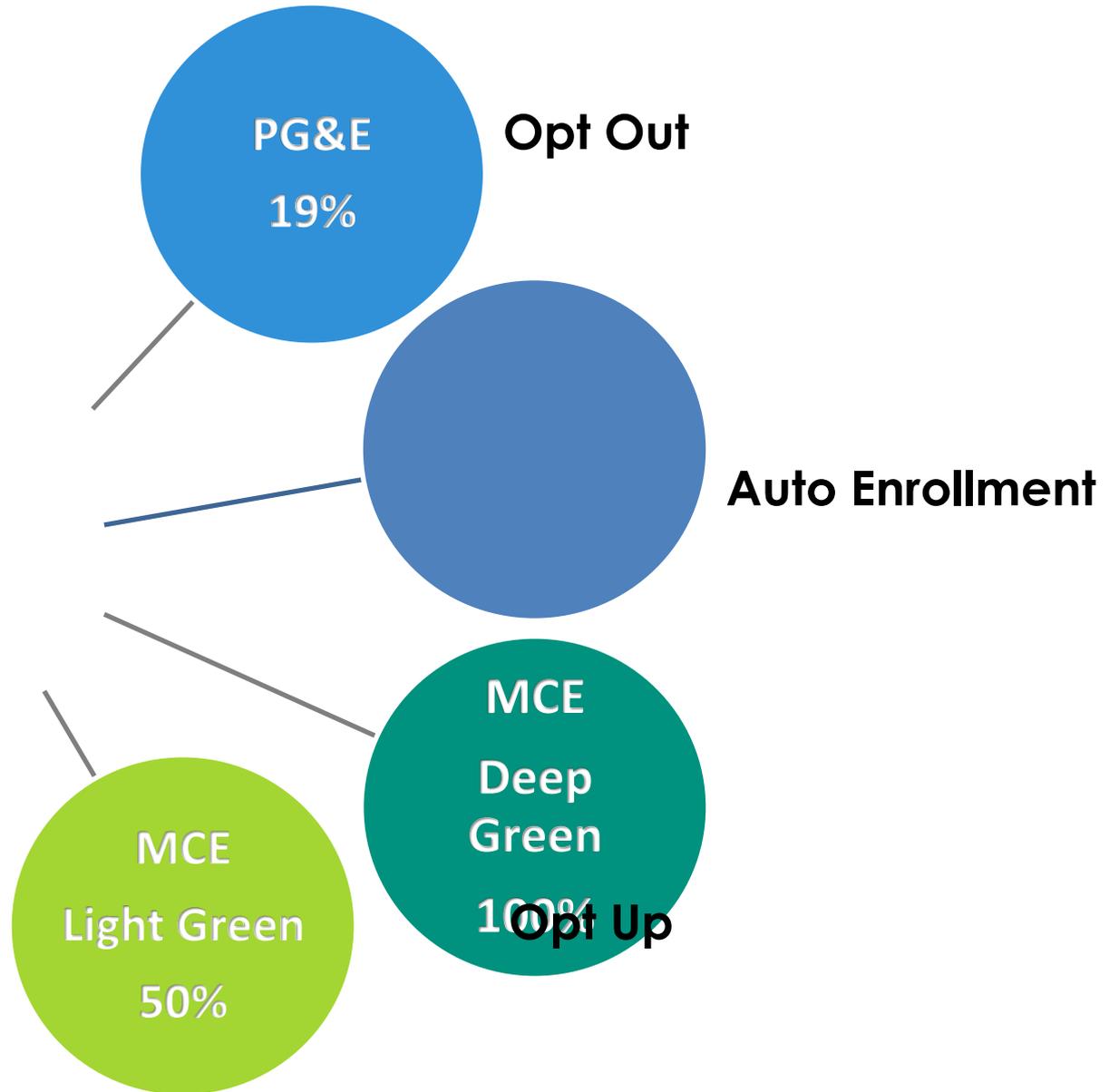
Government elected officials

Public oversight of rates, power sources and policies

Report to California Public Utilities Commission,  
California Energy Commission, and customers



# Customer Choice



# Customer Choice

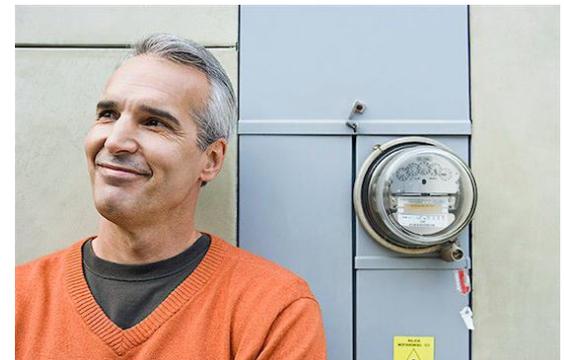
**PG&E**

19%  
Renewable

**MCE**  
**Light Green**  
50%  
Renewable

**MCE**  
**Deep Green**  
100%  
Renewable

**MCE**  
**Sol Shares**  
100%  
Local Solar



# MCE Power Sources 2010 - 2013

3 Degrees (wind)

Calpine (geothermal)

EDF Renewable Energy (25 MW new solar)

G2 Energy (3 MW new biogas)

GenPower (3 MW new biogas)

Middle Fork Irrigation District (small hydro)

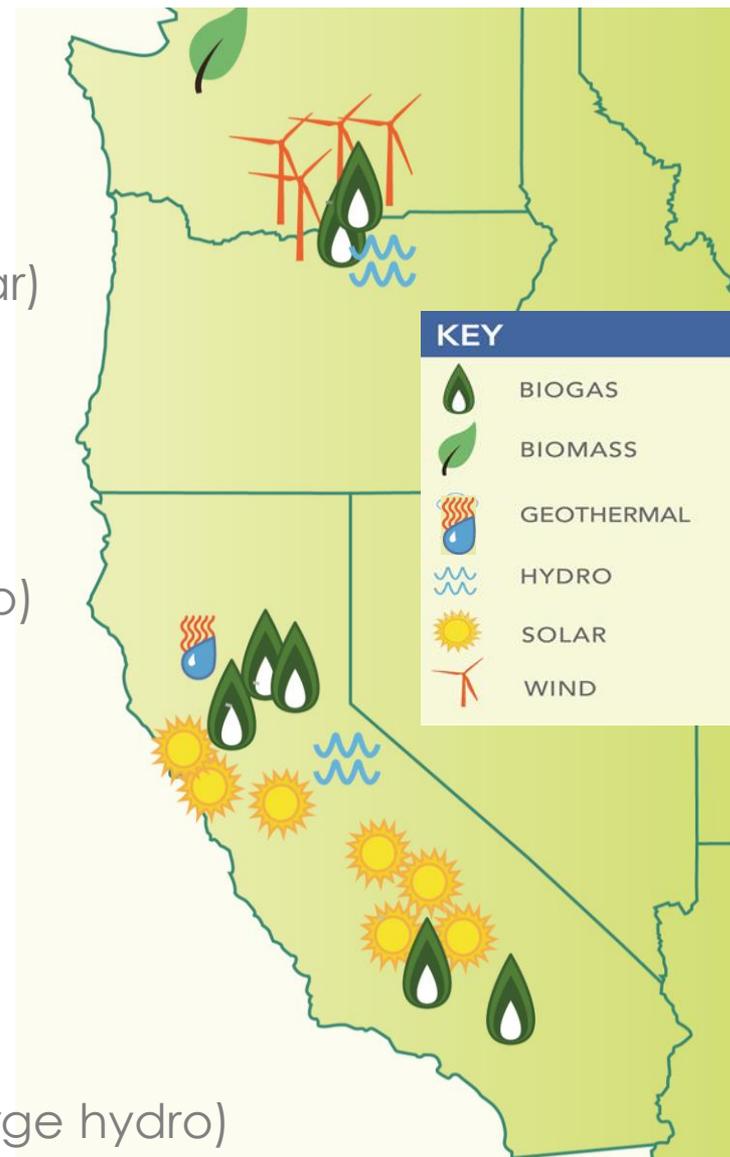
One Energy (wind)

Recurrent Energy (20 MW new solar)

San Rafael Airport (1 MW new solar)

Shell Energy North America

Western Area Power Administration (large hydro)



# 2012 Electric Power Content Mix

	PG&E	MCE Light Green	MCE Deep Green
<b>Renewable</b>	<b>19%</b>	<b>53%</b>	<b>100%</b>
Bioenergy	4%	12%	0
Geothermal	5%	0	0
Small hydroelectric	2%	2%	0
Solar	2%	1%	0
Wind	6%	38%	100%
Large Hydroelectric	11%	7%	0
Natural Gas	27%	0	0
Nuclear	22%	0	0
Unspecified	21%	40%	0
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

# Residential Cost Comparison

MCE rates effective April 6, 2014  
 PG&E rates effective May 1, 2014

508 kWh E-1/Res-1	PG&E 19%	MCE Light Green 50%	MCE Deep Green 100%	MCE Local Solar 100%
Generation	\$46.74	\$40.13	\$45.21	\$72.14
PG&E Fees	-	\$5.89	\$5.89	\$5.89
Delivery	\$36.26	\$36.26	\$36.26	\$36.26
<b>Total Cost</b>	<b>\$83.00</b>	<b>\$82.28</b>	<b>\$87.36</b>	<b>\$114.29</b>

# Commercial Cost Comparison

MCE rates effective April 6, 2014  
 PG&E rates effective May 1, 2014

1,182 kWh A-1/Com-1	PG&E  19%*	MCE Light Green 50%	MCE Deep Green 100%	MCE Local Solar 100%
Generation	\$138.44	\$112.29	\$124.11	\$167.84
PG&E Fees	-	\$12.19	\$12.19	\$12.19
Delivery	\$131.51	\$131.51	\$131.51	\$131.51
<b>Total Cost</b>	<b>\$269.94</b>	<b>\$255.98</b>	<b>\$267.81</b>	<b>\$311.54</b>

# Community Benefits

Not-for-profit, public agency



No shareholders



Local Benefits

# Local Build-Out

\$38,500 towards solar rebates

Premium credits & payout for solar customers

Feed-In Tariff

- San Rafael Airport 1 MW solar project

Local Renewable Development Fund

- 50% of Deep Green revenues for local solar projects
- Planning 1 MW solar project at Richmond Port

1 MW solar shade parking structure in Novato

# Local Programs

Electric vehicle charging stations

Tesla pilot program

Bidgley Home Area Network pilot program

Marin Green Business program



# Local Jobs

Local renewable projects

Energy Efficiency program support:

\$50,000 Rising Sun Energy Center

\$45,000 RichmondBUILD

\$90,000 Marin City Community Development District



Ruben Pendroza, RichmondBUILD graduate



[mceCleanEnergy.org](http://mceCleanEnergy.org) | 1 (888) 632-3674