

# COMMUNITY CHOICE ENERGY

Exploring Locally Controlled Clean Energy for Berkeley

Presented by  
Berkeley Climate Action Coalition  
Community Choice Energy Working Group





# WHAT IS COMMUNITY CHOICE ENERGY?

## A brief history of Community Choice



## Communities Taking Control of Energy Resources



## Communities Taking Control of Energy Resources



## Communities Taking Control of Energy Resources



Many other communities are getting on board



**San Diego, San Luis Obispo,  
San Mateo, Santa Clara,  
Los Angeles, Santa Barbara,,  
Monterey, Santa Cruz  
... and others**



# How is Community Choice Energy Different?



## COMMUNITY CHOICE IS:

- A not-for-profit local agency
- Accountable to the community
- Democratically governed
- Responsive to local priorities



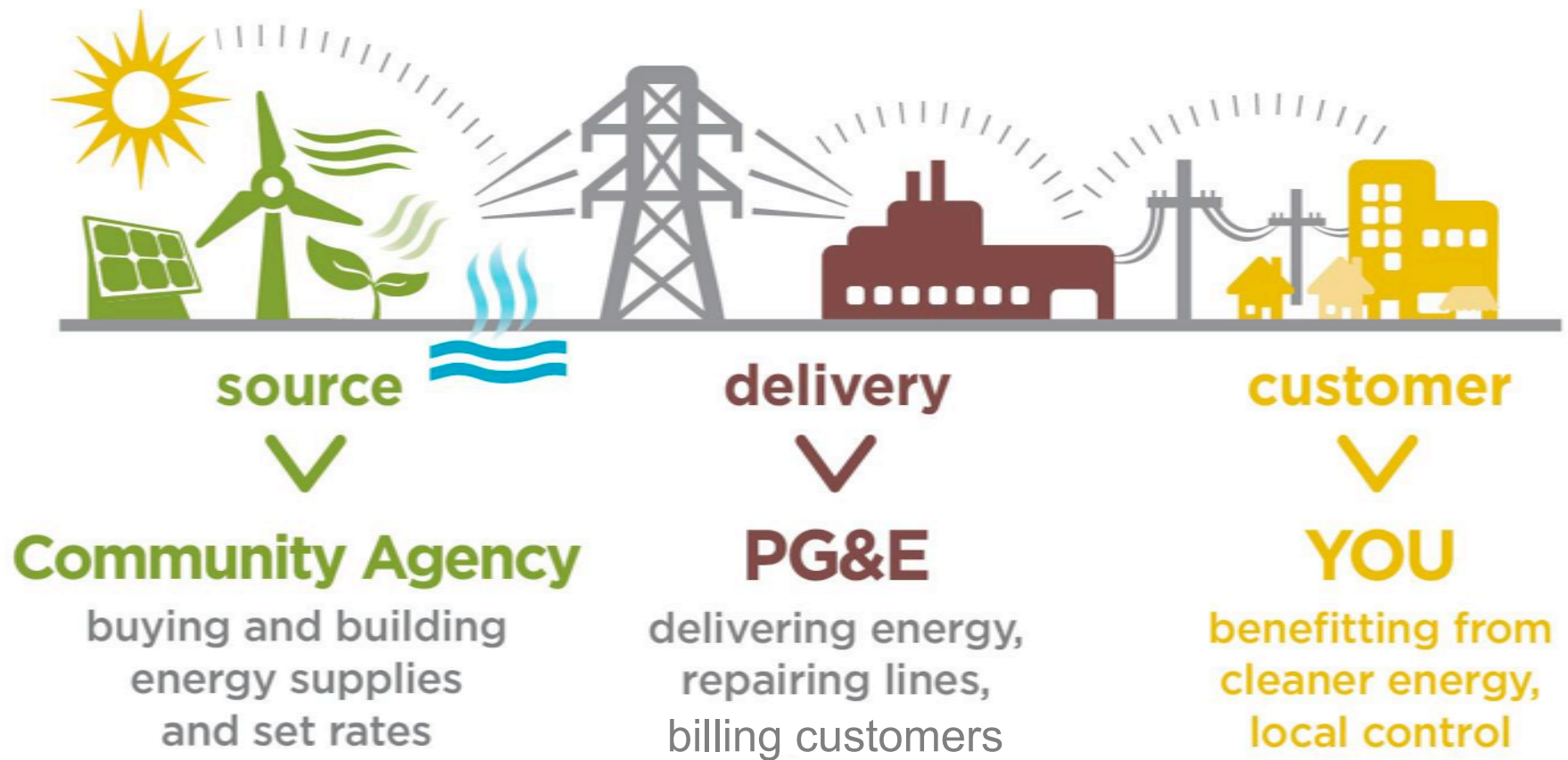


## Joint Powers Authority



**Alameda County and  
Cities within the County  
join together to form a  
“Joint Powers Authority”**

# How Does Community Choice Work?



## The Power of Local



- LOCAL CHOICE
- LOCAL COMPETITION
- LOCAL VALUES
- CLEAN ENERGY GENERATION
- LOCAL WEALTH RETENTION
- GREEN JOBS

## Potential Environmental Benefits



- CUT GREENHOUSE GASES
- REDUCE POLLUTION
- ELIMINATE NUCLEAR POWER

# Case Study: Energy Mix



## PG&E – SCP Comparison



### Electric Power Generation Mix\*

Specific Purchases	Percent of Total Retail Sales (kWh)		
	PG&E	Sonoma Clean Power	
		CleanStart	EverGreen
Renewable	22%	33%	100%
• Biomass & Biowaste	4%	9%	0%
• Geothermal	5%	15%	100%
• Eligible hydroelectric	2%	0%	0%
• Solar electric	5%	0%	0%
• Wind	6%	9%	0%
Coal	0%	0%	0%
Large hydroelectric	10%	37%	0%
Natural gas	28%	0%	0%
Nuclear	22%	0%	0%
Other	0%	0%	0%
Unspecified sources of power	18%	30%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

\* PG&E's generation data represents 2013 is provided in the "Annual Report to the California Energy Commission: Power Source Disclosure Program." SCP's generation data is forecast for 2014.

### Total CO<sub>2</sub> Emissions from Electricity Sales per Megawatt-Hour\*\*

PG&E	CleanStart	EverGreen
445 pounds	294 pounds	70 pounds

\*\* The CO<sub>2</sub> emission rates reflect the energy generation provided by PG&E in 2012. SCP's CO<sub>2</sub> emission data is forecast for 2014.

## Potential Financial Benefits for Customers



- RATE STABILITY
- POTENTIAL SAVINGS
- RIGHT TO OPT-OUT



## Case Study: Rate Comparison



### RESIDENTIAL RATE COMPARISON

Example Monthly Residential Electric Charges*	PG&E	MCE Light Green	MCE Deep Green	MCE Local Sol
	22%** Renewable Energy	50% Renewable Energy	100% Renewable Energy	100% Local Solar
	PG&E Electric Delivery (all customers)	\$36.46	\$36.46	\$36.46
	Electric Generation (all customers)	\$45.12	\$37.97	\$42.60
	Additional PG&E Fees (MCE customers only)	-	\$5.71	\$5.71
	Average Total Cost <b>\$81.58</b>	Average Total Cost <b>\$80.14</b>	Average Total Cost <b>\$84.77</b>	Average Total Cost <b>\$107.92</b>

\*The above comparison is based on a typical usage of 463 kWh at PG&E's rates effective as of January 1st and MCE's proposed rates for the April 2015 to March 2016 fiscal year under the Res-1/E-1 rate schedule. Costs shown are an average of summer and winter rates in baseline territory X with gas heating; actual differences may vary depending on usage, rate schedule and other factors.

\*\*Most recently reported by PG&E.

## Case Study: Rate Comparison



### COMMERCIAL RATE COMPARISON

Example Monthly Commercial Electric Charges*	PG&E	MCE Light Green	MCE Deep Green	MCE Local Sol
	22%** Renewable Energy	50% Renewable Energy	100% Renewable Energy	100% Local Solar
	PG&E Electric Delivery (all customers)	\$144.48	\$144.48	\$144.48
	Electric Generation (all customers)	\$122.75	\$95.59	\$107.69
	Additional PG&E Fees (MCE customers only)	-	\$13.31	\$13.31
	Average Total Cost <b>\$267.23</b>	Average Total Cost <b>\$253.38</b>	Average Total Cost <b>\$265.48</b>	Average Total Cost <b>\$329.61</b>

\*The above comparison is based on a typical usage of 1210 kWh at PG&E's rates effective as of January 1st and MCE's proposed rates for the April 2015 to March 2016 fiscal year under the Com-1/A-1 rate schedule. Costs shown are an average of summer and winter rates; actual differences may vary depending on usage, rate schedule and other factors.

\*\*Most recently reported by PG&E.



- CARBON CONTENT OF POWER MIX
- RATE STABILITY
- STARTUP COSTS
- GOVERNANCE

## Status of Community Choice



- CONCEPT PAPER COMPLETED
- ALAMEDA COUNTY FEASIBILITY STUDY UNDERWAY
- STAKEHOLDER ADVISORY COMMITTEE FORMED
- EAST BAY CLEAN POWER ALLIANCE FORMED

## Our Community, Our Choice

