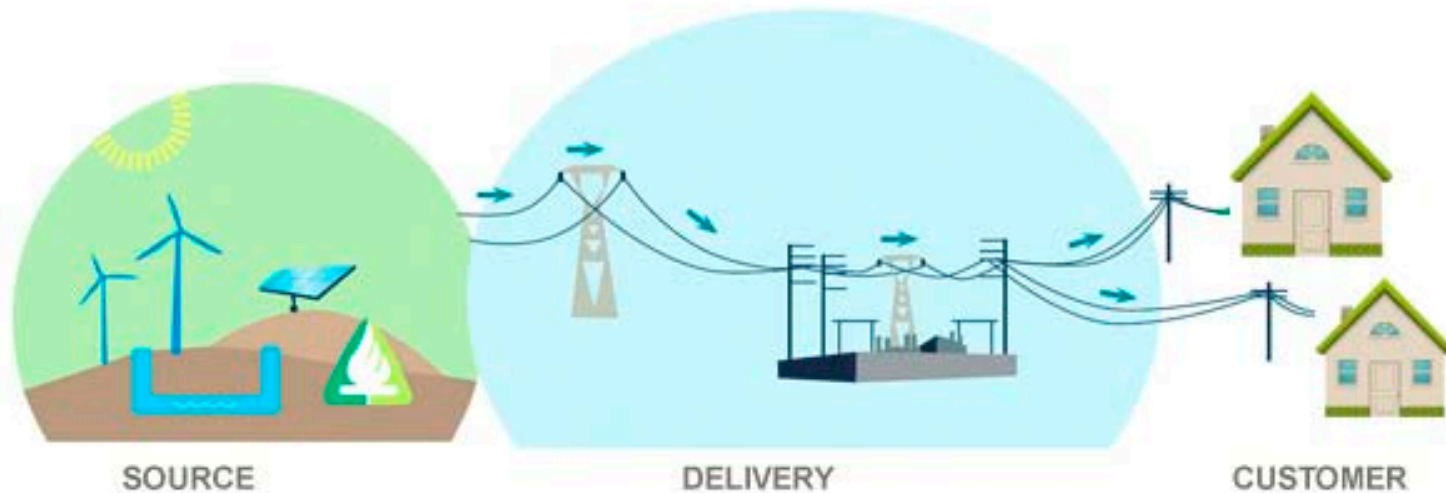


# Community Choice for Renewable Energy Supply



# CCA: How it Works

- CA Assembly Bill 117 passed in 2002 (P.U. Code 381.1)
- CCA law establishes customer enrollment process



**MCE** buying and  
building energy supplies

**PG&E** delivering  
energy, repairing lines, and  
serving customers

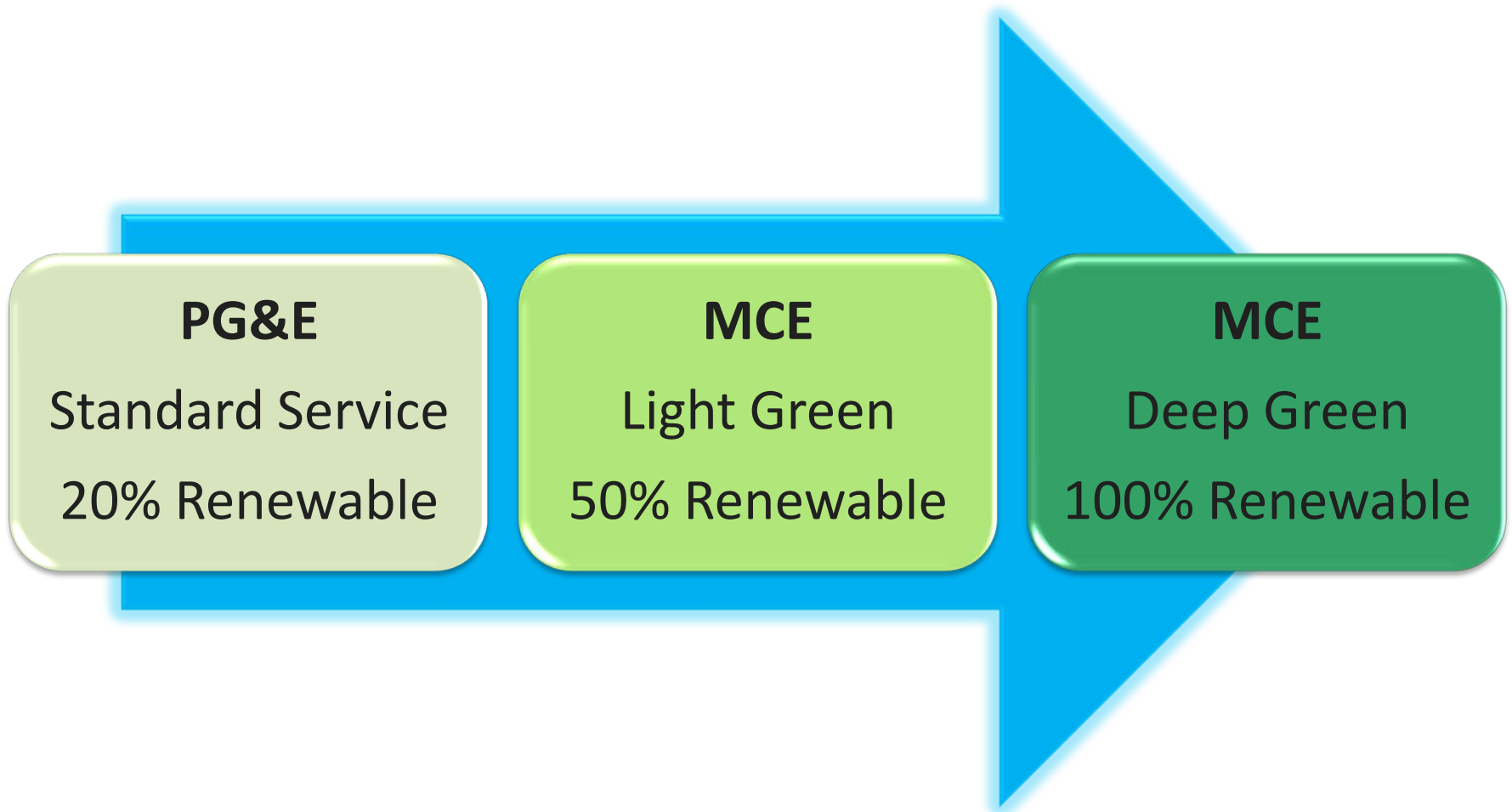
**YOU** benefitting  
from cleaner energy, stable  
costs, and local control

# MCE In a Nut Shell

- Administered by local, not-for-profit, public agency (Marin Energy Authority)
  - 13 Member Board of Directors
- 50-100% renewable power
- Service area includes all of Marin County & City of Richmond
- Currently serving approximately 92,000
  - Approximately 30,000 additional Richmond customers in July 2013
- Self-funding, no public funds or tax dollars



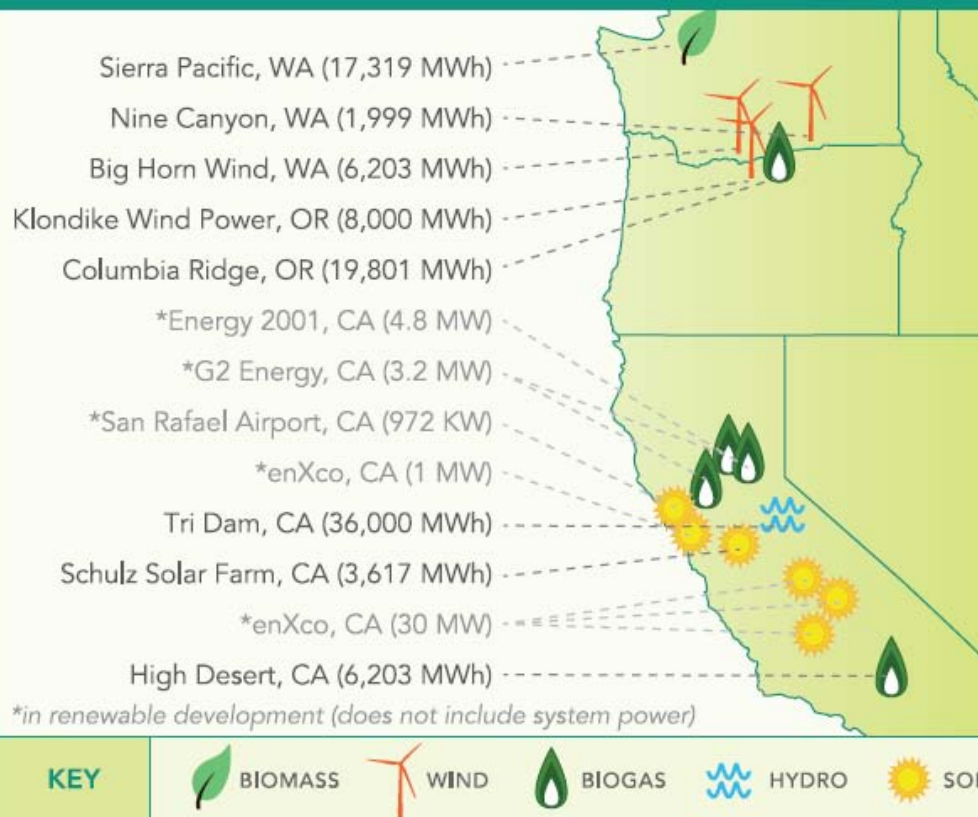
# 3 Electricity Choices



# MCE Power Supply

ENERGY RESOURCES	2011 LIGHT GREEN POWER MIX	2011 DEEP GREEN POWER MIX	2011 CA POWER MIX (FOR COMPARISON)
Eligible renewable	33%	100%	15%
· Biopower	24%	0%	2%
· Geothermal	0%	0%	5%
· Small Hydroelectric	0%	0%	2%
· Solar	0%	31%	0%
· Wind	8%	69%	5%
Large Hydroelectric	20%	0%	13%
Coal	0%	0%	8%
Natural Gas	0%	0%	37%
Nuclear	0%	0%	16%
Other	0%	0%	0%
System Power	47%	0%	12%
Total	100%	100%	100%

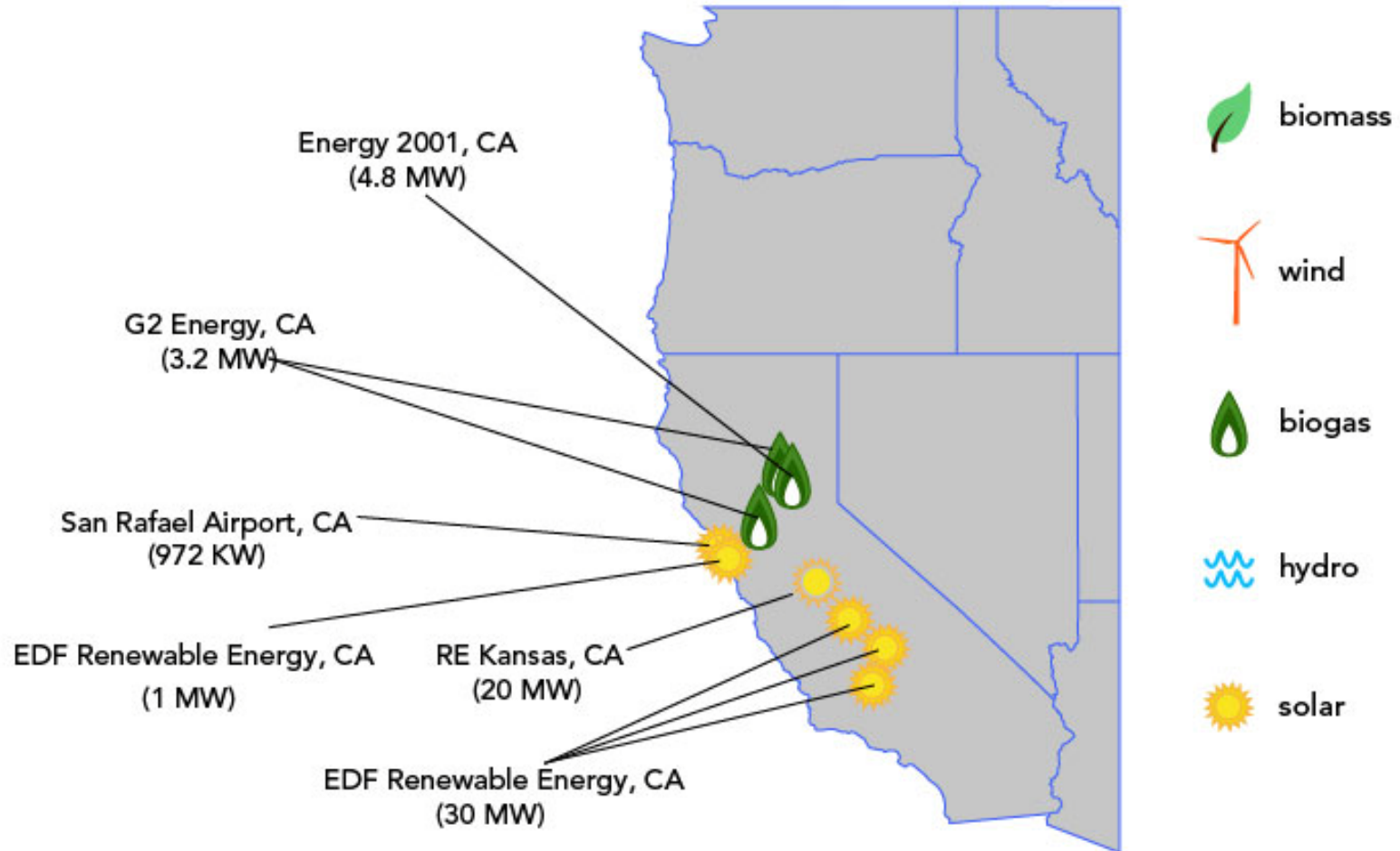
## 2011 California Power Sources and Planned Development



# Renewable Procurement

- **56 MW new California clean power under development for MCE**
  - 52 MW new solar
  - 4 MW new bioenergy
  - Enough clean energy to supply 22,500 homes per year
- **Open Season Renewable Procurement**
  - MEA requested 41 MW of power
  - Received 52 projects proposals for a total of 752 MW
    - Proposals range from 2 MW to 80 MW of solar PV, wind, geothermal, and biogas
    - 72% of proposals are for new projects
- **Integrated Resource Plan Goals**
  - Additional 10 MW distributed solar PV within service area by 2021
  - Long-term goal to procure 100% renewable energy for all customers

# MCE Contracts for New Power Projects





# Local Solar: Long Term Contracted Supply

- Largest solar project in Marin County
  - (972 kW AC)
- Power for 280 homes for an entire year and up to 1,200 customers during peak energy production
- 20-year Feed-In Tariff power purchase agreement
- Designed by San Rafael-based REP Energy
- Installed by Muir Beach-based Synapse Electric
- Created 25 local jobs during construction phase
- Will offset approximately 750 tons of GHG emissions annually






# Long Term Contracted Supply: Lincoln Landfill

- Generates base-load supply (constant production day and night)
- Small, local owner and operator
- 4.8 Megawatts at full capacity
- Uses existing resource from a landfill located north-west of Sacramento
- 20-year Power Purchase Agreement
- Contributes to MCE State Qualifying Renewable Portfolio Standard Supply



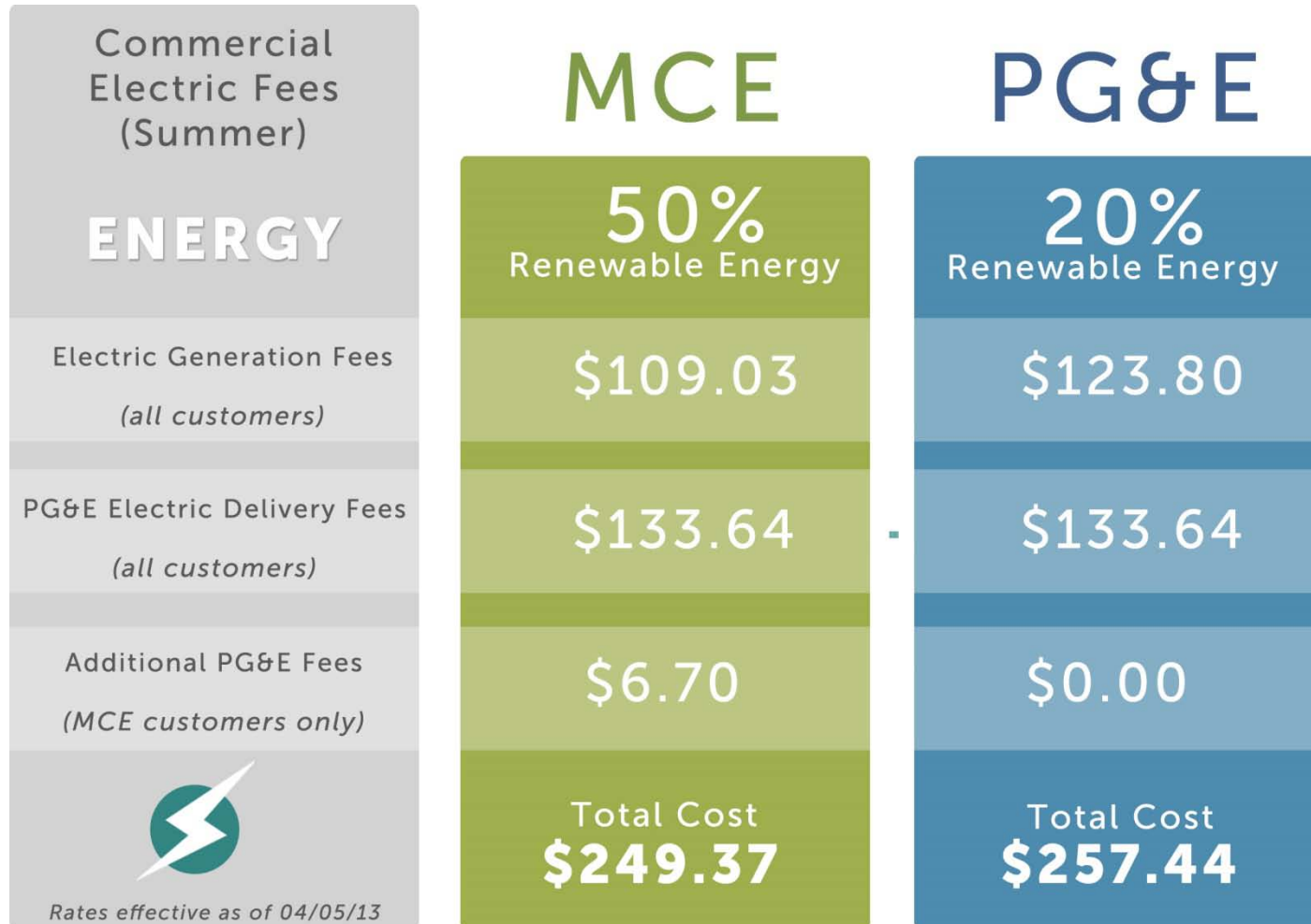
# Residential Cost Comparison

Residential Electric Fees	MCE	PG&E
<b>ENERGY</b>	50% Renewable Energy	20% Renewable Energy
Electric Generation Fees <i>(all customers)</i>	\$37.00	\$39.42
PG&E Electric Delivery Fees <i>(all customers)</i>	\$33.48	\$33.48
Additional PG&E Fees <i>(MCE customers only)</i>	\$3.32	\$0.00
 <i>Rates effective as of 04/05/13</i>	Total Cost <b>\$73.80</b>	Total Cost <b>\$72.90</b>

April 5, 2013 rates

Res-1 (PG&E equivalent E-1) | 500 kWh

# Commercial Cost Comparison



April 5, 2013 rates

Com-1 (PG&E equivalent A-1) | 1,225 kWh

# Additional Local Renewable Supply

- Deep Green Customers Fund Local Renewable Build-out
- Feed-In Tariff
  - San Rafael Airport project complete
  - Standard offer 20-year contracts still available
  - Project size 1 MW or less; within service area (Marin or Richmond)
  - Total program capacity = 10 MW
- Net Energy Metering (NEM)
  - More than 1,900 NEM customers generating 5.7 MW of local power
  - MCE offers premium bonuses
    - Credit customers at retail rate plus \$0.01/kWh
    - Provide \$4 monthly bonus for excess generation
    - Credits never zero out and are cashed out if \$100+ at year end

# Additional Local Renewable Supply

- Planned Local Projects under Contract
  - 1 MW Solar Carport Shade Structure
- SEED Fund
  - Solar PV technical assistance and group purchase program
  - Coordinating Agency: City of San Rafael
  - Supporting Agency: MCE
  - MOUs in place with 10 public agencies with a net potential PV capacity of 5 MW (40% increase in local solar PV)

# Local Sustainability Programs

- Over \$4M in Energy Efficiency Programs
  - Incentives for small commercial and multi-family properties
  - Financing through an On Bill Repayment pilot program
  - Online software tool to help homeowners save energy
    - [www.MyEnergyTool.mceCleanEnergy.com](http://www.MyEnergyTool.mceCleanEnergy.com)
- Local workforce training and job development
  - \$80,000 contract with Marin City Community Development Corporation
  - \$50,000 contract with Rising Sun Energy Center
  - \$45,000 contract with Richmond BUILD
- Provided \$20,000 in energy efficiency and solar rebates in 2011
- Providing additional \$10,000 in solar rebates beginning July 2013



# Local Sustainability Programs

- Provided Funding for 5 electric vehicle charging stations in Marin
- Support for local community groups, nonprofits, and youth sports such as:
  - West Marin Youth Soccer League
  - San Rafael Pacifics
  - Bay Area Rescue Mission
  - Urban Tilth
  - Mindful Life Project, Nystrom Elementary School
  - Marin Agricultural Land Trust
  - Environmental Forum of Marin
- Funding Marin Green Business program in 2013
  - \$15,000



# Questions and Discussion

Thank you!

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