Introductions and Agenda

• Introduction to MCE
• CCA and Energy Efficiency
• MCE’s Demand Side Management Programs
  • Energy Efficiency
  • Storage, DR, Rooftop Solar
• What’s on the Horizon?
  • MCE’s Energy Efficiency Business Plan
  • Emerging Markets
Our Mission

Address climate change by reducing energy related greenhouse gas emissions through renewable energy supply and energy efficiency at stable and competitive rates while providing local economic and workforce benefits.
About MCE

2008  MCE formed
2010  Service launched
2016  Serving ~250,000 accounts
24 Member Communities

Marin County + 11 cities
Richmond
San Pablo
Benicia
El Cerrito
Napa County + 5 cities
Lafayette
Walnut Creek
How MCE Works

Local Government
MCE

Investor-Owned Utility
PG&E

Customer

RENEWABLE ENERGY
Electric Generation

SAME SERVICE AS ALWAYS
Electric Delivery

YOUR COMMUNITY CHOICE
A Greener Electric Option
Today’s Energy Choices

*as reported to the California Energy Commission Power Source Disclosure Program in June 2015 (www.energy.ca.gov/sb1305/labels)

- PG&E: 27% Renewable
- MCE Light Green: 56% Renewable
- MCE Deep Green: 100% Renewable
- MCE Local Sol: 100% Local Solar
Local and In-State Renewables

- $500.6 Million committed
- powering 30% of the homes we serve per year

18 Projects  199 megawatts
LOCAL Impacts
New Renewable Projects

8 new local project sites

WILL POWER

20 megawatts

11,400 homes per year

WILL POWER
STATE Impacts

New Jobs

2,400+ California jobs

750,000+ union work hours created from new solar projects in 1 year
MCE customers eliminated 122,102 metric tons of greenhouse gas emissions, 2010-2014, equivalent to taking 13,365 cars off our roads for an entire year.
MCE as Energy Efficiency Administrator

Statutory Authority (CA PUC 381.1)
- 381.1 (a-d) “apply to administer”
- 381.1 (e-f) “elect to administer”

CPUC Regulatory History
- Resolution E-4518: 2012 Program Funding
- D. 12-11-015: 2013-2014 funding
- **D. 14-01-033: CCA Energy Efficiency**
- D. 14-10-046: 2015 Program Funding

MCE’s Energy Efficiency Business Plan
- A. 15-10-014
MCE’s Existing Portfolio
Multifamily Program

- No cost energy assessments (valued at $3,000-$5,000; max deposit $500 reimbursed at completion)
- No cost technical assistance to solicit bids and develop scope of work
- Rebates received within 2 weeks of project sign off
- No cost direct install measures for tenant units (valued at $25 per unit)
- Post-project quality assurance
- Minimum 1 year contractor warranty
Commercial Program

• No cost **energy assessments** (valued at $300 – $400)

• **Rebates** ranging between 40-100% of project costs

• Pre-negotiated **contractor discounts**

• Start-to-finish **project management**

• Post-project **quality assurance**

• Low-cost **loans** and **PACE financing**
### On-Bill Repayment

- Ratepayer funded credit enhancement
- Repaid on PG&E bill
- Multifamily and Small Commercial
- Available to both MCE and non-MCE customers

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Competitive Advantage

- Flexibility & innovation
- Strong project management
- Ongoing sales assistance
- Quick turnaround (invoicing)
MCE’s Success as an Administrator

SAVINGS OVER TIME
A Healthy Growth Rate
MCE’s Experience in Integrated Demand Side Management
Why Integrated Demand Side Management?

• Support greenhouse gas mitigation through facilitating renewable energy integration
  • Demand response programs
  • Storage

• Relieve local grid constraints to promote more local renewable energy

• Meet Commission mandates for storage
Rooftop Solar Customers

• Premium rates (retail + $0.01/kWh) paid by MCE
• MCE credits never zero out & offers cash-out
• PG&E will send true-up bill at start of MCE service
  • All charges incurred since last true-up (usually annual) and credits will be zeroed out
  • Solar customers may delay MCE enrollment or start early to align with scheduled PG&E true-up
Local Impacts: Solar Rebates

$80,000 allocated

Partnership with GRID Alternatives
Preference for low-income customers
Pilot Programs Overview

Demand Response (DR)
- Commercial behavioral program
- Residential automated program (Schneider Electric, Planet Ecosystems & Autogrid)
- eMotorWerks EV Charging Pilot

Energy Storage
- Commercial (College of Marin & Tesla)
- Residential battery pilot tariff
2016 Application Overview

Overview of Program Proposals
Implementation details
Policy issues
What’s Next for MCE’s Demand Side Programs?
MCE Business Plan

Key Innovations

- Tailored by sector (phasing, leverage other programs)
- Performance and widget-based approaches
- Leverage AMI data and meter-based strategies
- Integrated Program Delivery
- Potential to bid into CAISO
Emphasis on Customer Experience

Need for feedback loops to ensure positive customer experience

Single Point of Contact
Workforce Development Strategy
Integrated Distributed Energy Resources

• Strategic Planning to Determine Best Fit for MCE
• Explore emerging markets at CAISO
• Bid into Solicitation Process at CPUC?
• Apply to Administer DR funding?
Thank You

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