Solar Farming in the Refinery’s Backyard
RICHMOND, CA

• Diverse City of 107,000
• 17 Miles Northeast of SF
• 32 Miles of Bay Shoreline
Q.

How can cities combine public power programs and land use authority to generate & build green power locally?
What are the unanticipated challenges in generating & building green power locally?
The Story.

Marin Clean Energy: California’s Leading CCA

Richmond’s Decision on Choice and Local Development

Powering Local Labor

Solar Farming at the Refinery
Marin Clean Energy
Community Choice for Energy Supply
Our Mission

Address climate change by reducing energy related greenhouse gas emissions
MCE Service Territory
How MCE Works
Marin Clean Energy Makes History

2008
MCE formed

2010
service began

2012
Richmond joins

2015
regional expansion

170,500 customers served today
Today's Energy Choices

- Distribution Utility: 27% Renewable
- MCE Light Green: 56% Renewable
- MCE Deep Green: 100% Renewable
- MCE Local Sol: 100% Local Solar
Growing Renewable Content

Light Green Power Content Goal for 2025:

80% renewable 95% carbon-free
Energy Efficiency Programs

$725,000 in cash rebates DISTRIBUTED TO 4,900+ energy efficiency program participants

2.5 Million kWh savings equivalent to: 7-fold increase in savings in three years

15 Million gallons of water saved
Regional Impacts

New Renewable Projects

10 renewable project sites

POWERING 1/2 of the homes we serve per year

$516 Million committed
Our Power Sources

12+ suppliers

17 energy contracts
Regional Impacts
New Jobs

2,400+ California jobs
Solar One Status

3,400 Homes

79 Construction Jobs

3 O&M Jobs

3/1/16 City Council final approval

1 Year Completion
Local Governance

Monthly meetings

Elected officials

Each community represented by Board Member
2012

Collaborate with neighboring jurisdictions on CCA
There are too many unknowns. How can we guarantee local projects?
A. MCE does not have a bond rating. Richmond cannot commit general fund dollars.
A. But there’s a Feed-in Tariff program, and a local Board...
“What is the risk of doing nothing?”
MCE supports job training in Richmond.

As a public, not-for-profit electricity provider offering clean energy service in Richmond, MCE invests in local jobs, projects and programs. MCE has partnered with RichmondBUILD to fund job training and workforce development programs that strengthen our community.
100% clean energy? It’s your choice.

Catahoula Coffee Company chose to “opt up” to MCE’s Deep Green 100% clean energy, because we care about quality—our beans, our brew, and the air we all breathe. Anyone in Richmond can choose from MCE’s two clean energy options. Look for MCE mailers to learn more.
Renewable energy means rate stability for Richmond.

MCE’s renewable energy means cleaner air for our family. Their reliable rates mean easier budgeting.

As a public agency, MCE’s Board of Directors represents the city of Richmond. Look for MCE mailers to learn more.
It’s Richmond’s time for a clean energy choice.

Richmond is the City of Pride and Purpose—a place of innovation. MCE is helping our forward momentum by investing in our future, and providing new choices for cleaner energy. Now is the time to invest in Richmond’s growth. Look for MCE mailers to learn about your clean energy options.
New clean power options are available in Richmond.

Richmond is building a cleaner, healthier future and MCE is helping to make it possible. MCE’s 50–100% renewable electricity comes from sources like solar, wind, and bioenergy.

Look for MCE mailers to learn more.
MCE 2015 Outcomes

3 Energy Options
85% Enrollment
#1 Deep Green Community

16,979 tons
$2.4 million
Health in All Policies Report

City of Richmond, California

www.richmondhealth.org

The goal of HiAP is to address inequities at the systems, policy and structural levels to eliminate the resulting health disparities.

www.richmondhealth.org
2015
What was carpentry...
...includes green building.
The streetlight model.
Project Outcomes

$40k  MCE Training
5  Local jobs
$6  Million in Financing

9,000  Lights
$600k  Savings

$6 Million in Financing
Job creation....
EPA Brownfield Remediation Grant
Solar One Training
Modernization
Public Safety.
Jobs.
Environment.
Environmental Justice
Building Trades
Alternative 11 – No increase in GHG emissions
$90 Million ECIA

$35 Million - Promise Scholarship

$30 Million - Community GHG reductions

$15 Million - Job training & Comm Services

$10 Million - 60-acres for Solar One
Lessons Learned

• CCAs make community power projects possible.

• Every community has its assets. Be creative and leverage them.

• Power your local labor. Require it.

• Maximize the utility of all land. Even brownfields near a refinery.
Work to do…

• Begin Solar One construction in March 2016

• Reduce California Investor-Owned utility fees on CCA

• Expand partnerships with labor for more local opportunities

• Identify more local projects
Thank You!

www.mceCleanEnergy.org
www.ci.richmond.ca.us