

MCE SOLAR ONE

PROJECT OVERVIEW

MCE Solar One's 10.5 MW solar system is producing 22,000 MWh per year of pollution-free electricity — enough to power over 3,900 homes annually.* The project was conceived by the Richmond community as a way to include renewable energy and solar facilities in the Chevron Modernization Project. MCE partnered with RichmondBUILD — which has successfully graduated hundreds of students and placed 80% of its graduates into well-paying jobs — to train and hire its skilled graduates for the project.

ENVIRONMENTAL AND LOCAL BENEFITS

- » Eliminates 3,234 metric tons of carbon dioxide in one year, the equivalent of taking more than 680 fossil-fuel cars off of the road annually**
- » Provides clean, local, renewable energy
- » Repurposed 60 acres of a remediated brownfield site
- » Supported 341 jobs
- » Maximized local economic benefits by requiring a 50% local resident workforce and engaging Richmond-based contractors and suppliers

* Based on the projected annual output of MCE Solar One and the average residential usage within MCE's service area.

** Based on MCE's aggregate portfolio emission factor and the EPA's greenhouse gas equivalencies calculator at: epa.gov/energy/greenhouse-gas-equivalencies-calculator



IBEW (Local 302) workers installing combiner boxes



Groundbreaking ceremony



Completed solar tracking system

RICHMOND, CALIFORNIA
10.5 MW SOLAR FARM

- » Richmond community identifies an opportunity to include renewable energy features in the Chevron Modernization Project
- » Preliminary discussions began with Richmond, Chevron, and MCE about developing a solar farm on a remediated brownfield site on refinery property
- » MCE conducts a feasibility study

- » MCE acts as Lead Agency for the Environmental Impact Report of the project and files Notice of Determination
- » MCE secures Design Review Board approval
- » MCE receives utility interconnection from PG&E







- » Developers partner with job training program RichmondBUILD and local contractors to meet local hire requirement
- » Construction begins in Q2 2017
- » Commercial operation begins in Q4 2017
- » Solar One becomes the Bay Area's largest public-private solar partnership
- » MCE purchases all of the energy generated at the local project
- » MCE has option to purchase project in 7 years

2013 2014 2015 2016 2017 & BEYOND

- » Richmond City Council negotiates and approves the Environmental and Community Investment Agreement to include a \$1/year land lease
- » Site offered to MCE to develop a solar farm for community benefit
- » Richmond requires a minimum 50% local hire for Richmond residents
- » MCE receives endorsement from Community Power Coalition to build solar project on Chevron land
- » MCE begins to identify developers for Chevron Modernization Project
- » MCE applies for interconnection with PG&E

- » MCE issues a request for proposal for construction and financing services
- » MCE engages with Cenergy and sPower to build and finance the project, respectively
- » MCE submits building permit
- » MCE hosts a groundbreaking ceremony

MCE SOLAR ONE PARTNERS

 <p>Lead agency for pre-development, leaseholder, energy off-taker</p>	 <p>Project site owner</p>	 <p>Municipal partner</p>
 <p>Lead developer, financier, project owner</p>	 <p>General contractor for engineering, procurement & construction</p>	 <p>Workforce training</p>

MCE SOLAR ONE WORKFORCE

CONTRACTOR	LOCATION	UNION
Contra Costa Electric	Martinez	IBEW (Local 302), IBEW (Local 1245), and Laborers Union (Local 324)
Goebel Construction	Richmond	Laborers Union (Local 324), Operating Engineers (Local 3), and Steamfitters (Local 342)
Net Electric	Richmond	IBEW (Local 302) and Laborers Union (Local 324)
Newtron Group, Inc.	Martinez	IBEW (Local 302), IBEW (Local 1245), and Laborers Union (Local 324)
Overaa Construction	Richmond	UBC and Laborers Union (Local 152)
Russel Pacific	Monterey	N/A

CONTACT US

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