

Energy Localization in Oakland

Toward an Equitable and Resilient Economy

Ratepayers for Affordable Clean Energy Conference

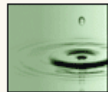
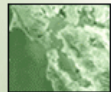
Japanese American Cultural and Community Center, Los Angeles

Friday, November 9, 2007



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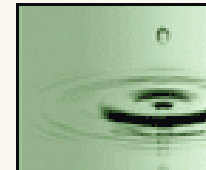
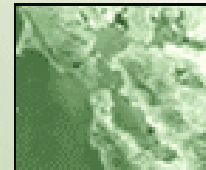
Our Goal: To increase community livability and local resilience while decreasing fossil fuel use.

Key Projects and Initiatives:

- Local Clean Energy Campaign
- Localization Asset Map
- Rooftop Resources Project



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Oakland's Electricity Use, Efficiency Potential

Residential Sector Use

- 400,000 residents in 150,000 households
- 36% of overall use



Commercial / Institutional Sector Use

- 3,000 buildings - 60 million sq. ft. of floor space
- Estimated summer demand of 275 MW
- Nearly 2/3 of overall use
- Top 30 customers = 28% of load, top 300 = 50%

Energy Efficiency Potential

- 10% from top 300 customers = 10% from all others

Local Clean Energy Alliance

Regional alliance working to educate the public and encourage city councils to adopt a clean, fair, and affordable Community Choice energy program in the East Bay.

Activities:

- Community workshops
- Research and advocacy
- Lawmaker education



Goals:

- Achieve 50% renewable energy mix by 2017
- Maximize local production of clean energy
- Offer stable and affordable rates for all
- Create local business opportunities and green-collar jobs
- Let businesses, residents sell back excess energy to grid
- Mandate aggressive energy conservation

Rooftop Resources Project

Assessing the potential of solar, rainwater catchment systems, and rooftop gardens, while developing tools for implementation.

Eastlake Neighborhood Assessment

Key Resource Potentials (per/year):

- **11 mil. kWh of solar PV**
= 25% of area demand
- **1.9 mil. gallons of water**
from 83% of area buildings
- **124 metric tons of veggies**
= 8,500 residents' needs



Pilot Project: EC Reems Academy

Rooftop Resources Guide (2008)

Green-Collar Jobs Campaign

Our Goal: To create pathways out of poverty for low-income people into the growing green economy.

Key Projects and Initiatives:

- Oakland Apollo Alliance
- Community Solutions Salons
- Oakland Green Jobs Corps



Oil Independent Oakland Task Force

Oakland has convened a citizens task force composed of local experts and leaders to craft a plan to slash oil use, cut CO₂ emissions, and secure the city's energy needs by 2020.

Action Plan:

- Develop recommendations on:
 - Using efficient technologies
 - Converting to renewable energy
 - Transforming local infrastructure
 - Changing behavior, education
- Assess economic, environmental, and social equity benefits



Activities:

- Monthly presentations by energy experts, policy innovators
- Land Use/Infrastructure, Transportation, Port Working Groups
- Oil Independent Oakland community design charrette

Oakland Green Jobs Corps

Oakland is fighting poverty and pollution at the same time by training low-income adults with barriers to employment in green construction, energy efficiency, and renewable energy.

Program Components:

- 3-month “soft skills” training
 - Basic literacy, life skills, enviro sustainability, fiscal management, OSHA training, support services
- 6-month paid internships
 - Green Workforce Business Council – group of Oakland employers that will offer paid internships at their firms
- Graduation, followed by case management and career assistance



Green Jobs Act of 2007:

U.S. House of Representatives passed bill authorizing \$125 million annually for “green-collar” job training for 30,000 people

Partnership with Solar Richmond



Contact Us

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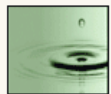
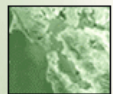
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