

Equity in Clean Energy

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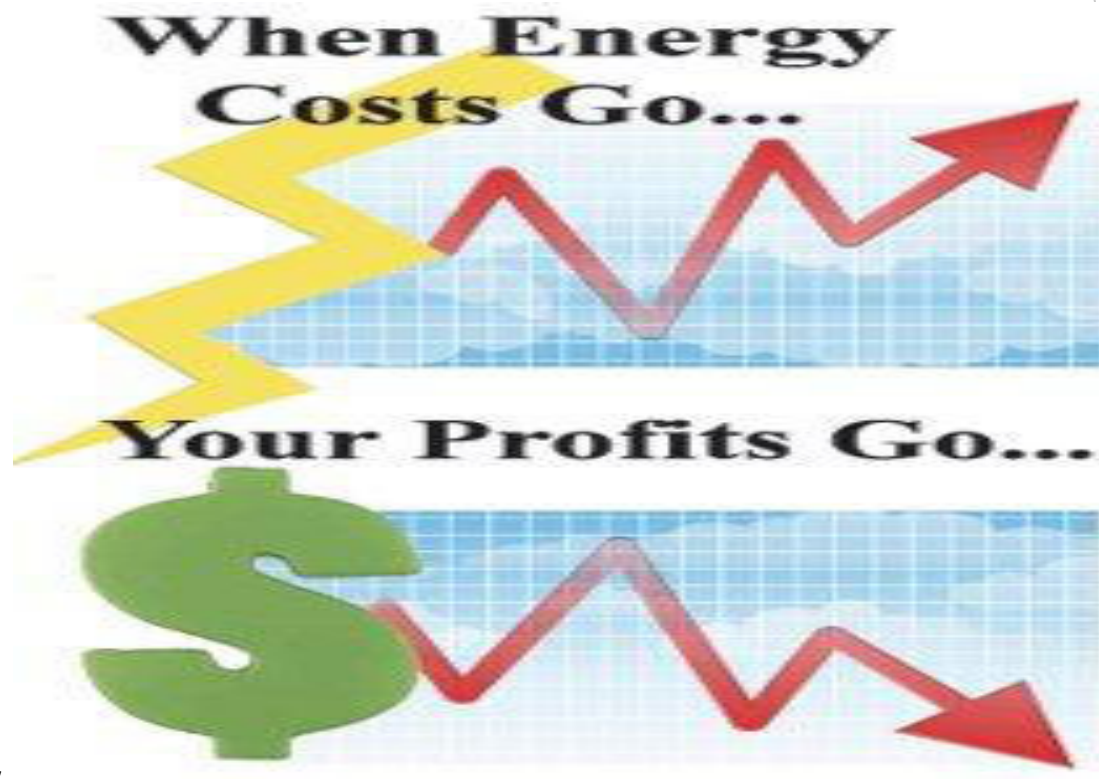
Extension

UNIVERSITY OF WISCONSIN-MADISON



Equity in Energy

- ▶ Affordable, and equitable energy economy
- ▶ Open to all customers regardless of their income, credit score, or renter status.
- ▶ Low income communities and communities of color are statistically more likely to live near coal plants
- ▶ energy efficiency measures alone are predicted to save customers \$2 trillion by 2030
- ▶ Need inclusive financing (tariffed on-bill) for all customers to access cost-effective upgrades

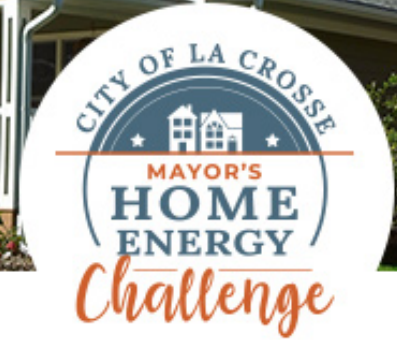


low- and moderate-income households pay disproportionately high energy bills



La Crosse Mayor's Energy Challenge

- ▶ Partnership: City, Focus On Energy, Xcel
- ▶ Award
- ▶ Tiered- low-moderate income = 21% of applicants
 - ▶ Lower assessment cost
 - ▶ Higher rewards



Sawyer County Housing Authority

Solar to offset
90% of electric
use annually.

Installations by
Carlson Electric



Photo by: Carlson Electric

Community Solar Policy as Path to Equity

- ▶ Minnesota - 400 MW = 10x more than have been built in the history of community solar in US (40 megawatts).
 - ▶ policies
- ▶ New Jersey
- ▶ Colorado

Bringing Equity to the Solar Workforce

ILSR

2017 U.S. Energy and Jobs Report by the U.S. Department of Energy

- ▶ solar photovoltaic workers
 - ▶ 70.2% white
 - ▶ 2/3 male
- ▶ African Americans represent 25% fewer workers in the solar industry than their presence in the national workforce
- ▶ For women, the difference is almost 30%
- ▶ Require installation contractor to used at least 50% minority labor

Solar Workforce Demographics

Demographics	Solar Photovoltaic	Concentrating Solar Power	National Workforce Averages
Male	67.4%	67.4%	53%
Female	32.6%	32.6%	47%
Hispanic or Latino	21.5%	21.0%	16%
Not Hispanic or Latino	78.5%	79.0%	84%
American Indian or Alaska Native	1.2%	1.1%	1%
Asian	9.7%	9.7%	6%
Black or African American	9.0%	6.8%	12%
Native Hawaiian or other Pacific Islander	1.4%	1.5%	>1%
White	70.2%	73.2%	79%
Two or more races	8.6%	7.7%	2%
Veterans	11.1%	10.6%	7%
55 and over	12.9%	10.8%	22%
Union	1.4%	4.7%	12%

(Source: 2017 U.S. Energy and Jobs Report, U.S. Department of Energy)

