

Training for a Brighter Future: Building Philadelphia's Solar Workforce



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www.ecasavesenergy.org



The Energy Coordinating Agency



Founded

- 1984



CO₂

- Over 100k tons reduced



\$

- 250+ million saved for low income families

The Energy Coordinating Agency

72

- Employees

15

- Neighborhood Energy Centers

2

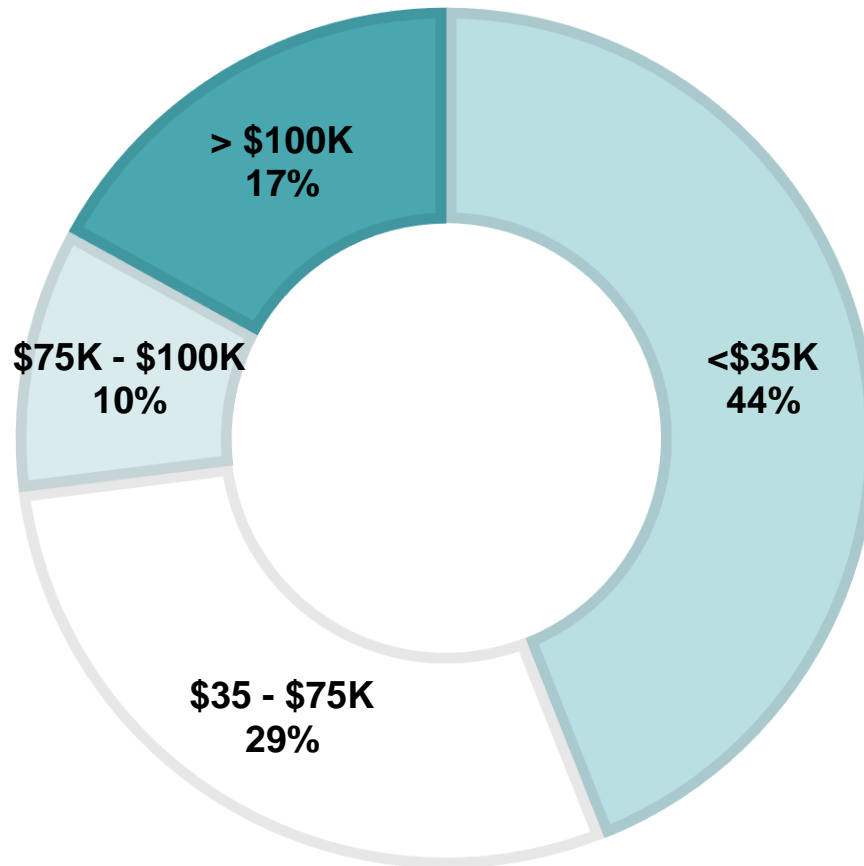
- Locations

The Energy Coordinating Agency



Philadelphia Economics

■ <\$35K ■ \$35 - \$75K ■ \$75K - \$100K ■ > \$100K



* Source: the PEW Charitable Trusts, Philadelphia's Poor - 2017

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Philadelphia Economics

2019 Poverty Guidelines (Federal)

Persons in Family/Household	Poverty Guideline
1	\$12,490
2	\$16,910
3	\$21,330
4	\$25,750

* Source: the PEW Charitable Trusts, Philadelphia's Poor - 2017

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Solarize Philly

THE GOAL

Solarize 500 Philadelphia rooftops, more than doubling the number of solar installations in the city.



Households Signed Up

4,200+



Contracts Signed as of
Today

360+



Average Size of Philly
Rowhouse Installation

5 kW



Average First Year
Savings

\$1,500

Solarize Philly

Solar means savings. Solar means jobs.
SOLAR IS NOW.



4,237

Households
Signed up



363

Contracts
Signed



1.6 MW

Contracted Solar
Capacity



\$5.8M

Invested in Philly's
Clean Energy
Economy



52

Direct Jobs
Created

Knight Green Jobs Training Center



Find Your Power

16

- Graduated (Solar)

14

- Employed

87%

- Placement Rate

Find Your Power

1. Discuss PV Markets and Applications
2. Adhere to basic safety issues
3. Develop knowledge of electricity basics
4. Develop skills and knowledge relating to solar energy fundamentals
5. Develop knowledge of PV Module Fundamentals

Find Your Power

6. Develop of knowledge of PV Sizing Principles
7. Assist in developing a PV electrical design
8. Assist in developing a PV system mechanical design
9. Perform analysis, maintenance and troubleshooting

Find Your Power



- OSHA 10



- EPA RRP Lead



- NABCEP

MILLION

Solar

ROOFS



**Become
One In
A Million**

Bringing you
a prosperous
future where
energy is clean,
abundant, reliable,
and affordable



U.S. Department of Energy
**Energy Efficiency
and Renewable Energy**

**Welcome to the
Philadelphia Million Solar Roofs (PMSR)
Web Site!**



March 6, 2001

This is a global information source for bringing
Solar Energy into homes and businesses in Philadelphia
and across Southeastern Pennsylvania.

The PMSR partnership is facilitated by the [Energy Coordinating Agency](#).

[\[Background\]](#) [\[Partners\]](#) [\[Using Solar Energy\]](#) [\[Design/Installation\]](#) [\[Solar Financing\]](#) [\[Zoning/Codes\]](#)
[\[PV Interconnection\]](#) [\[Resources\]](#) [\[Local Case Studies\]](#) [\[Solar Info Exchange\]](#) [\[Contact\]](#) [\[Home\]](#)

NATIONAL COMMUNITY SOLAR PARTNERSHIP



Bright Solar Futures

53

- Projects funded

7

- Workforce development projects

\$

- 1.25 Million

Bright Solar Futures



- 3 years

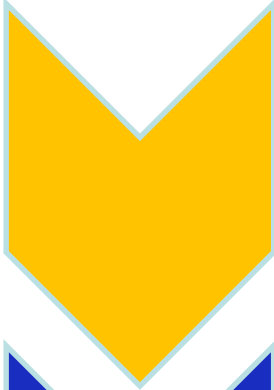


- 50 HS Students



- 50 disconnected youth

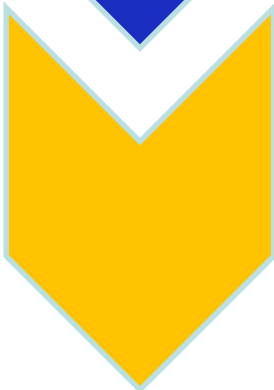
Bright Solar Futures



- Clean Energy Program of Study



- 10th-12th grade



- 2,760 hours instruction