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

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Director of Development, Energy Coordinating Agency

www.ecasavesenergy.org
The Energy Coordinating Agency

- Founded: 1984
- CO₂: Over 100k tons reduced
- $: 250+ million saved for low income families

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The Energy Coordinating Agency

- Employees: 72
- Neighborhood Energy Centers: 15
- Locations: 2

www.ecasavesenergy.org
Source: the PEW Charitable Trusts, Philadelphia’s Poor - 2017

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### 2019 Poverty Guidelines (Federal)

<table>
<thead>
<tr>
<th>Persons in Family/Household</th>
<th>Poverty Guideline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$12,490</td>
</tr>
<tr>
<td>2</td>
<td>$16,910</td>
</tr>
<tr>
<td>3</td>
<td>$21,330</td>
</tr>
<tr>
<td>4</td>
<td>$25,750</td>
</tr>
</tbody>
</table>

* 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

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Solarize Philly

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

www.ecasavesenergy.org
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
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

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Million Solar Roofs

Become One In A Million

Bringing you a prosperous future where energy is clean, abundant, reliable, and affordable.
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.
Bright Solar Futures

- 53 Projects funded
- 7 Workforce development projects
- $1.25 Million
Bright Solar Futures

- 3 years
- 50 HS Students
- 50 disconnected youth

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Bright Solar Futures

• Clean Energy Program of Study

• 10th-12th grade

• 2,760 hours instruction

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