



Energy Efficiency Jobs in America

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September 19th, 2017

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Agenda

- E4TheFuture background
- Energy jobs
- Energy industry growth
- Energy efficiency jobs
- Faces of EE initiative

Who we are

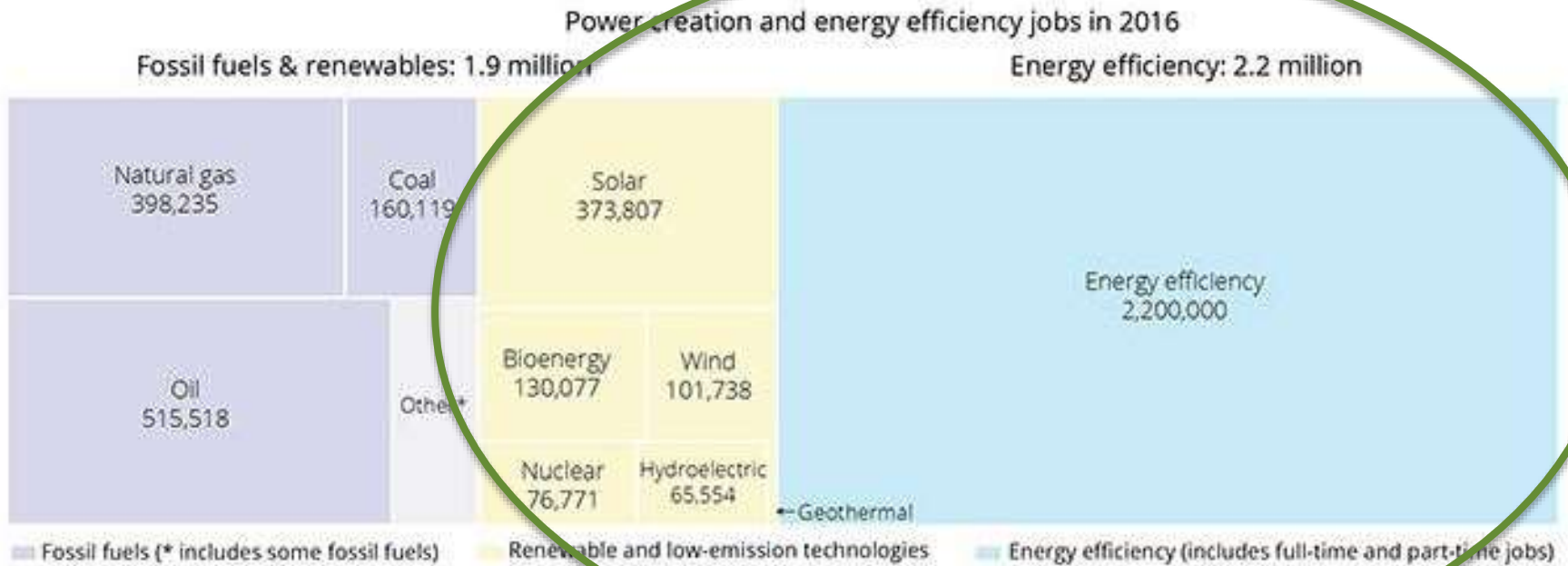
- Bringing clean, efficient energy home for every American
- E4 means *energy, economy, equity and environment*
- E4TheFuture has a past: U.S. energy efficiency services leader Conservation Services Group (CSG), for 31 years

What is an energy job?

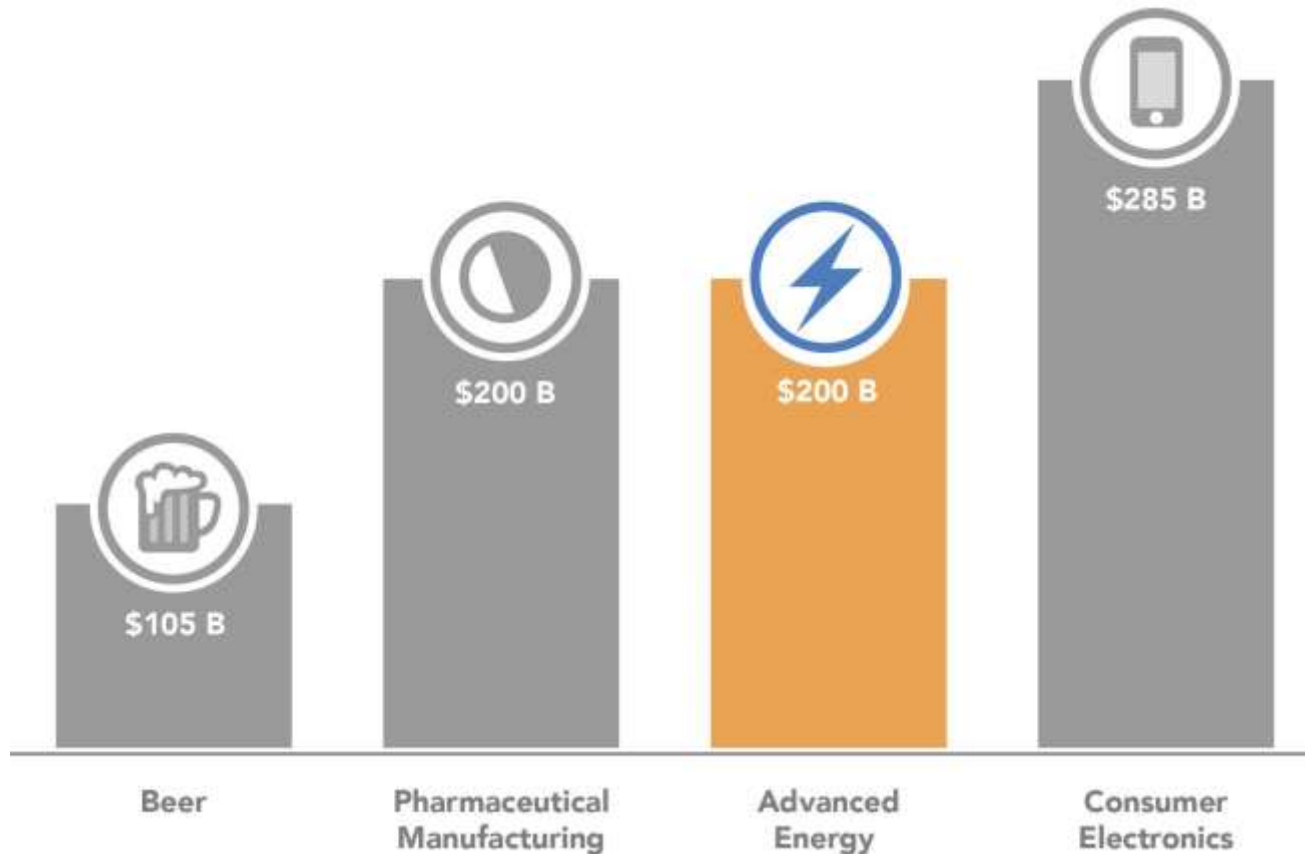
Power creation jobs in 2016
1.9 million



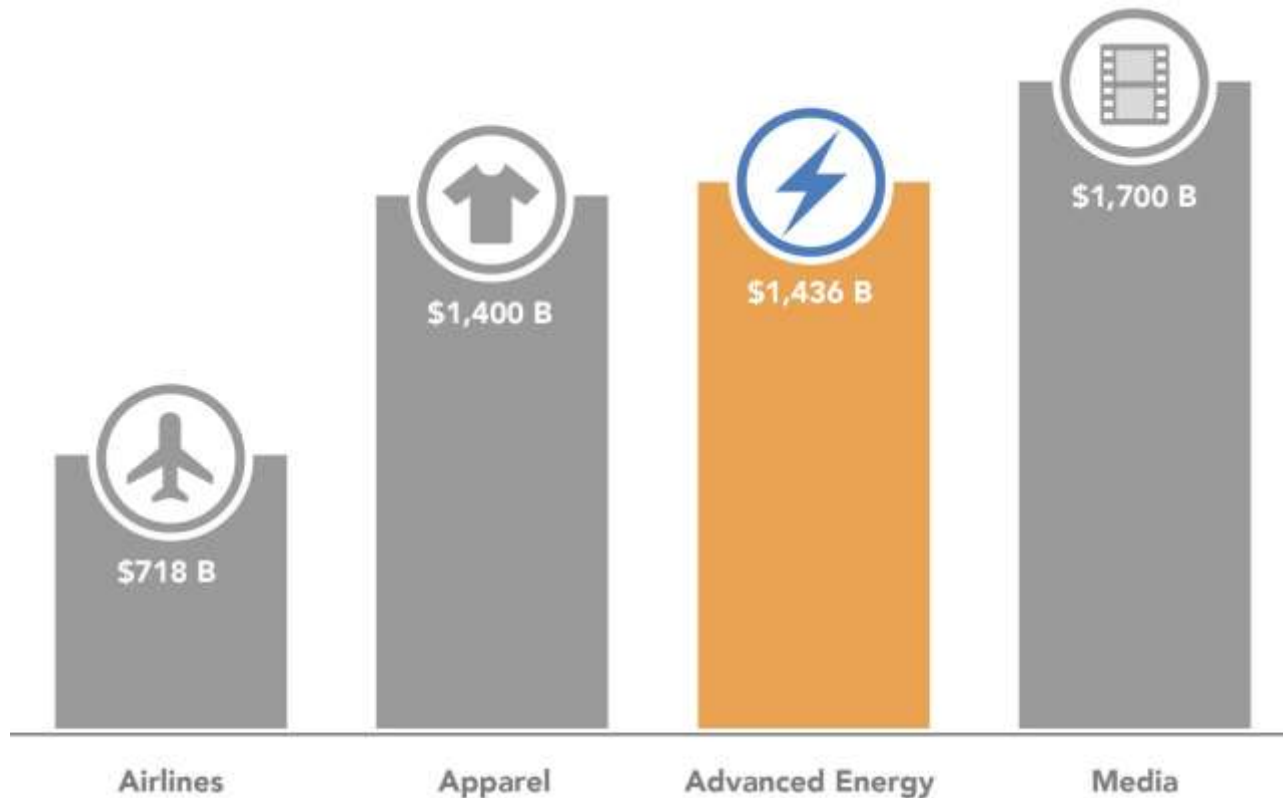
Energy Efficiency Jobs



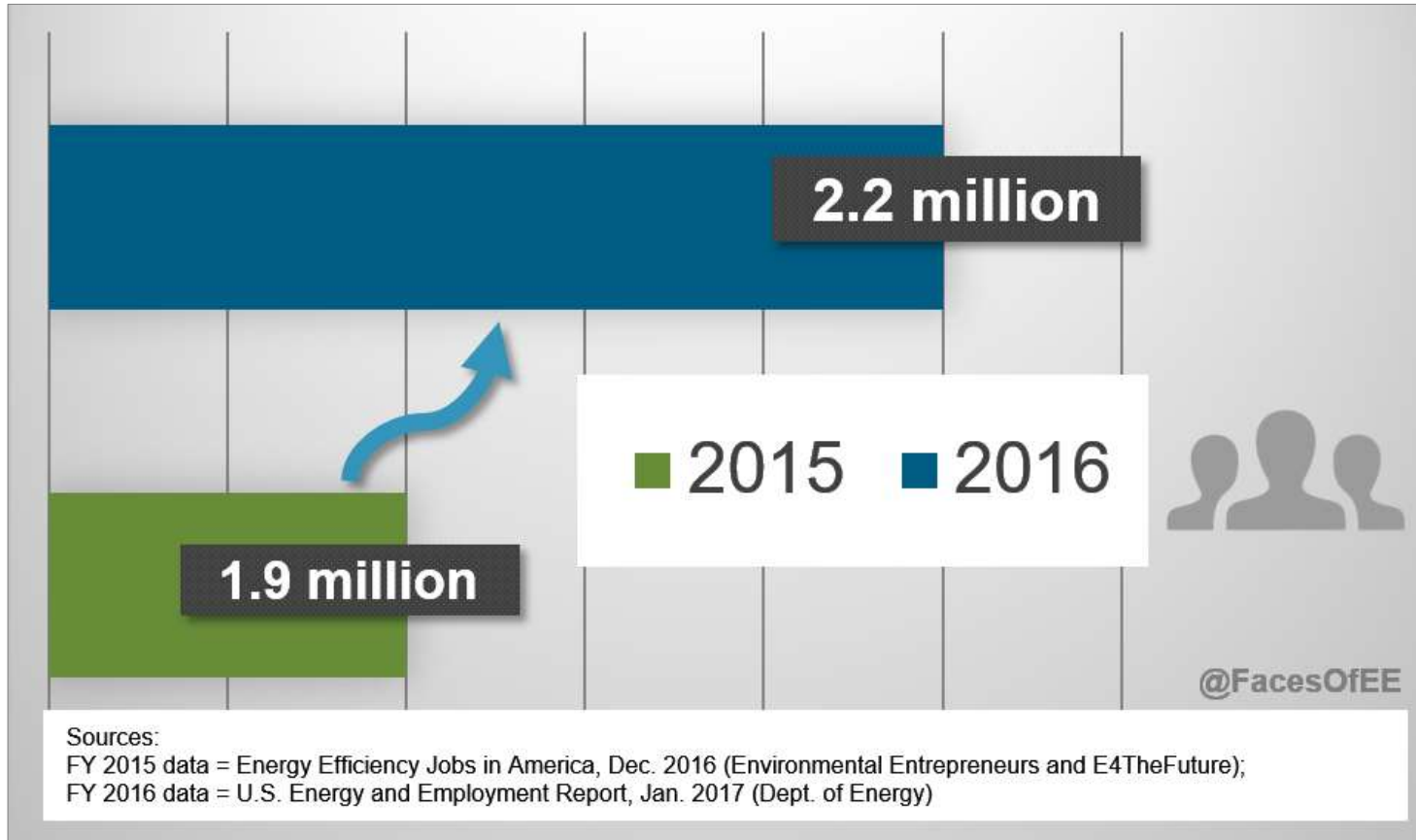
U.S. Revenue by Industry, 2016



Advanced Energy Industry Market Growth

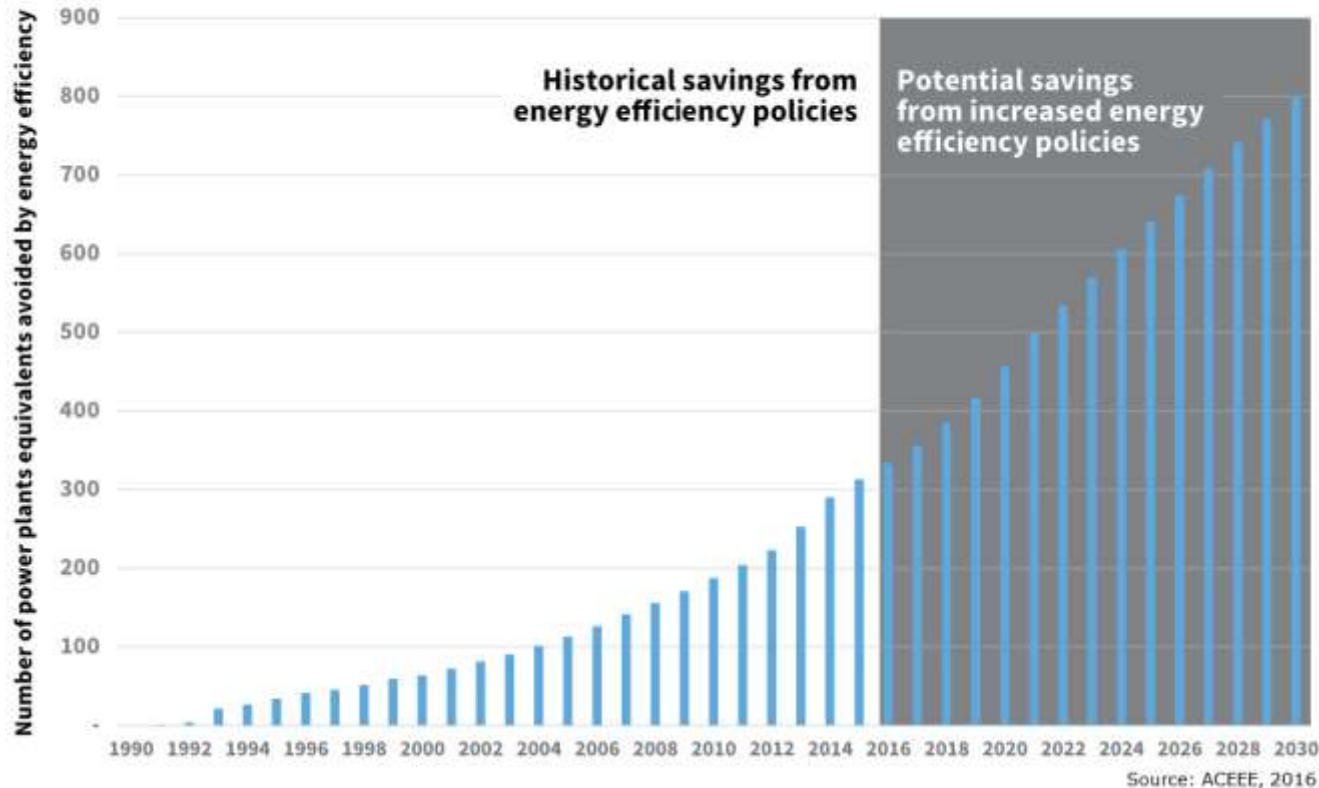


U.S. Energy Efficiency Job Growth



Electric Energy Efficiency Potential

Figure 9. Number of power plant equivalents avoided by energy efficiency since 1990, and potential through 2030. Estimates are based on power plants with an output of 500 MW.²¹



Range of Jobs



ENERGYSAVVY



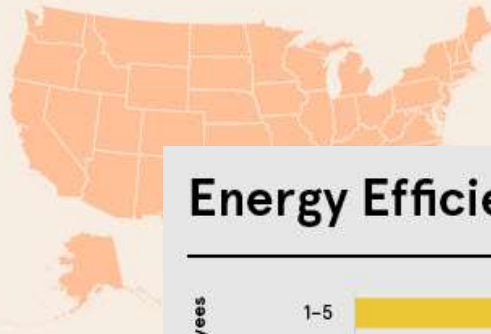
current
powered by GE



E2/E4 Jobs Report

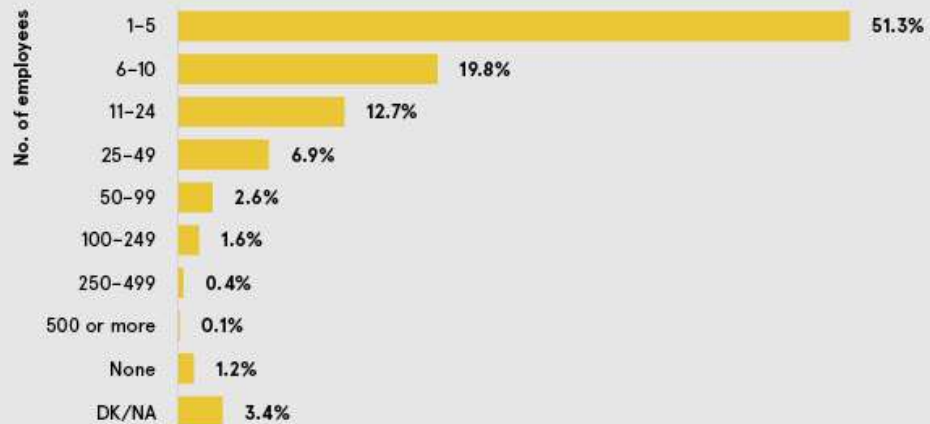
Energy Efficiency Jobs in America

A comprehensive analysis of energy efficiency employment across all 50 states.



#CleanJobsAmerica

Energy Efficiency Firm Size Distribution



#CleanJobsAmerica



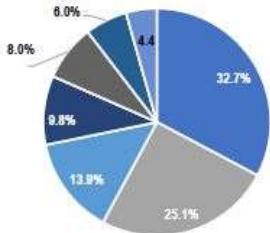
State Fact Sheets



Georgia – 66,212 jobs

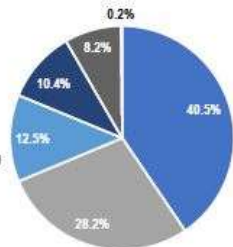
Partly a reflection of its sweltering summers and cool winters, about 66,200 Georgians work in energy efficiency related businesses. The state's energy efficiency economy has a fairly even split amongst sub-technologies, with traditional HVAC, advanced materials and insulation, and high efficiency HVAC collectively accounting for the majority of activity.

Employment by Sub-Tech



- Traditional HVAC
- Advanced Materials and Insulation
- High Efficiency (AFUE) HVAC
- Efficient Lighting
- Renewable and Efficient Heating and Cooling
- Other
- Energy Star Appliances

Establishments by Value Chain



- Installation
- Trade
- Other
- Manufacturing
- Professional Services
- Engineering and Research

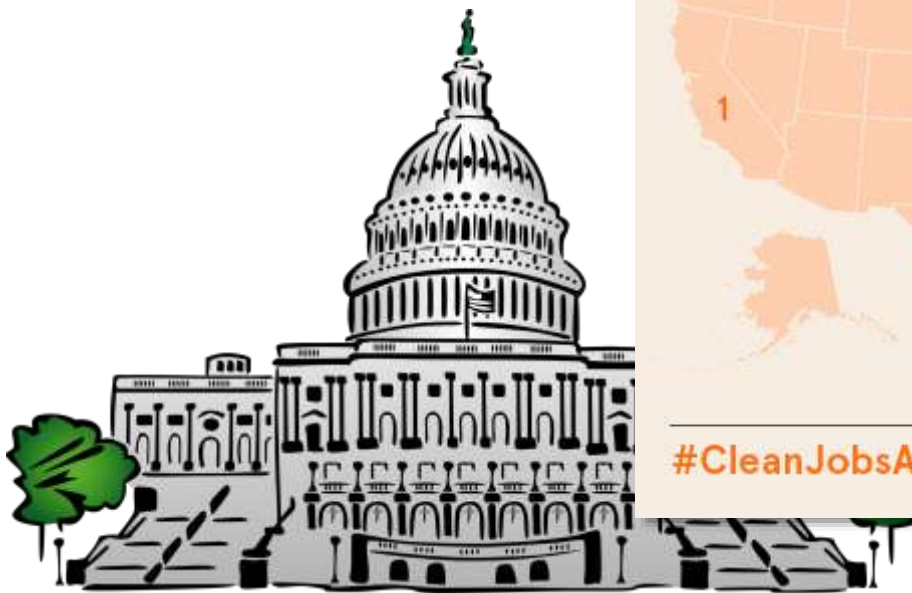
Installation and wholesale trade represents the majority of firm activity, with installation firms accounting for 41 percent of the total, followed by trade at 28 percent. These are mostly small to medium-sized firms—59 percent report fewer than six permanent employees and 23 percent report between 11 and 99 permanent workers. Energy efficiency work is sufficient to provide total revenue for about 45 percent of firms, and half to most for a 55 percent of establishments.

County	Energy Efficiency Employment
Fulton County	11,639
Coos County	6,403
Gwinnett County	5,731
Dekalo County	4,967
Chatham County	1,975
Bibb County	1,431
Cherokee County	1,383
Muscookee County	1,340
Richmond County	1,227
Hall County	1,173

MSA	Energy Efficiency Employment
Atlanta-Sandy Springs-Marietta, GA MSA	40,561
GA NONMETROPOLITAN AREA	9,557
Savannah, GA MSA	2,481

Congressional District	Energy Efficiency Employment
1	4,556
2	5,425
3	4,632
4	5,974
5	8,643
6	11,296
7	4,104
8	2,941
9	5,028
10	2,213
11	4,365
12	3,206
13	1,433
14	2,093





Top 10 States for Energy Efficiency Jobs



1. California
2. Florida
3. Illinois
4. Massachusetts
5. Ohio
6. Texas
7. New York
8. Georgia
9. Virginia
10. Pennsylvania

#CleanJobsAmerica



Faces of EE Initiative

- Real Jobs, Real People
- Better tell the story of EE jobs
- Develop & share graphics, collateral, memes



Photo booth at HPC National 2017



Example Memes

The most expensive thing [most people] own is their house - they deserve to get the most out of it.

Jeaneen Zappa, Conservation Consultants Inc., Glenshaw, PA

Energy efficiency:
America's
Job-creation
powerhouse



I serve as a quality control inspector / supervisor in home weatherization.

Eddie Cooper, Community Action Partnership of the Greater Dayton Area, Dayton, OH

Energy efficiency:
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Using the E2/E4 Jobs Report

- Faces of EE complements report
- Ready to capitalize on state opportunities

E4TheFuture.org/Faces-of-EE

 [@FacesOfEE](https://twitter.com/FacesOfEE) |



Faces of EE JOBS

SUPPORT YOUR LOCAL ENERGY EFFICIENCY INDUSTRY

Minnesota's energy efficiency industry is thriving. Let's keep it that way.

Almost 48,000 people work in Minnesota's growing energy-efficiency sector. Energy efficiency jobs:


- are woven throughout Minnesota's economy, from manufacturing to professional services to engineering
- include a range of professions; five are shown here

From design and construction to weatherization work, **Minnesota's energy efficiency workforce matters.**

Energy efficiency improves quality of life. It:

- creates jobs
- grows the economy
- saves Minnesotans money on their energy bills, helping balance family budgets

Please support policies and programs that will help keep Minnesota's energy efficiency workforce strong.

Faces of EE is an educational initiative led by E4TheFuture, a nonprofit organization dedicated to bringing clean energy home for all Americans. Visit e4thefuture.org  [@FacesOfEE](https://twitter.com/FacesOfEE)

The graphic features a large image of a modern residential neighborhood at the top. Below it are two smaller panels, each featuring a portrait of a man and a quote. The first panel quotes Ed Stone, Minnesota Dept. of Commerce Secretary, stating they help the low income community and the economy. The second panel quotes Rob Stepan, United Community Action Executive Director, stating they make a life-changing difference to families. The graphic also includes a list of statistics and a call to action to support the energy efficiency industry.

Questions?

Thank you!

For more information, please contact:

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