

NEARLY 70,000 PENNSYLVANIANS WORK IN THE CLEAN ENERGY SECTOR

CLEAN ENERGY AS A VISION FOR JOB GROWTH IN PENNSYLVANIA

Combined, there were **twice as many energy efficiency and renewable energy jobs in Pennsylvania (69,568) as fossil fuel jobs (34,231)** in 2016ⁱ in more than 6,000 companies.ⁱⁱ

While most of the jobs are located in the metro regions, a large percentage of the state's renewable energy generation is located in the rural counties of Pennsylvania, providing a wide geographic opportunity for employment.

According to "Our Energy Renewal: A Pennsylvania Clean Energy Map," there are more than 2,500 MW of renewable energy capacity in the state. The map shows how less-urban counties like Lancaster, Somerset and Cambria have some of the highest renewable energy concentrations.

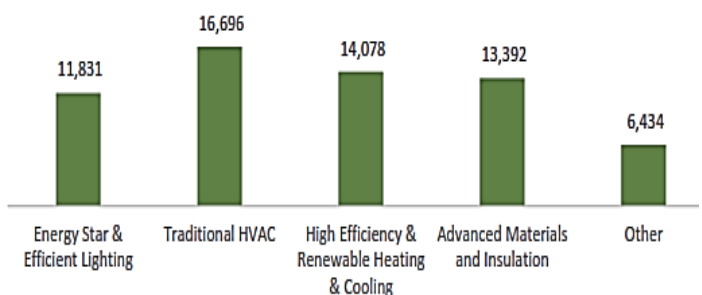
Rank	County	No. of Clean Energy Jobs	Rank	County	Total Renewable Generation (MW)
1	Allegheny	7,617	1	Lancaster	774
2	Philadelphia	5,471	2	Somerset	364
3	Montgomery	5,458	3	Cambria	248
4	Bucks	4,136	4	Blair	157
5	Chester	3,976	5	Schuylkill	148
6	Delaware	3,040	6	Wyoming	143
7	Lancaster	2,844	7	Bucks	130
8	Lehigh	1,881	8	Fayette	103
9	York	1,840	9	Tioga	101
10	Westmoreland	1,836	10	Delaware	84



ENERGY EFFICIENCY JOBS

There are **62,431 energy efficiency jobs** in Pennsylvania.ⁱ Many of these jobs resulted from Act 129, the state's energy efficiency law, which also saved \$1.2 billion in consumer energy bill savings since enacted in 2008. Act 129 has been effective, but a cost-cap limits the measures available to utilities. Instituting decoupling pricing mechanisms and performance incentives would also benefit. The state ranked 19th in the nation in the 2016 State Energy Efficiency Scorecard (ACEEE).

Number of Energy Efficiency Jobs in PA (2016)



Environmental Entrepreneurs (E2) is a national, nonpartisan group of business leaders, investors and others who promote smart environmental policies that drive economic growth. Please contact Sharon Pillar, PA consultant for E2 at pillarsharon@gmail.com or 412-215-5995. Visit E2 at www.e2.org.

SOLAR AND WIND JOBS

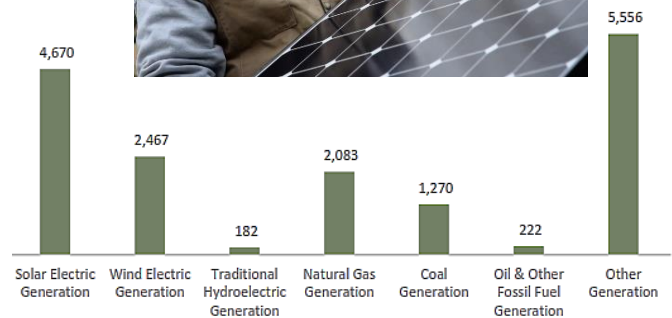
There are **4,670 Solar Electric Generation jobs** and **2,467 Wind Electric Generation jobs** in Pennsylvania.ⁱ

That's about twice as many wind energy jobs as there were in 2014, according to E2's first "Clean Jobs Pennsylvania" report.ⁱⁱ And it's about 70 percent more than last year, according to E2's update of that report.ⁱⁱⁱ

POLICIES MATTER

To continue creating thousands more jobs for Pennsylvanians:

- Protect and strengthen key policies in Pennsylvania such as **Act 129** for energy efficiency and **net metering rights** for renewable energy.
- Support **solar legislation** that allows only PA-sited solar facilities to generate PA-certified solar renewable energy credits (SREC) and will end subsidization of companies and solar projects in other states, and increase the overall Tier I requirements under the Alternative Energy Portfolio Standards (AEPS) to be more competitive with neighboring state renewable energy goals.
- Support **Property Assessed Clean Energy (PACE)** for commercial and industrial properties that enables funding for energy efficiency and renewable energy projects that can be paid back on the property tax assessment bill.
- The U.S. Congress should protect the **Production Tax Credit** for wind, the **Investment Tax Credit** for solar, the loan guarantee program for renewable energy, and current funding levels for the Office of Energy Efficiency and Renewable Energy (EERE) and Advanced Research Projects Agency - Energy (ARPA-E).
- Cities and local governments should cut energy waste in large existing buildings and encourage more renewable energy projects.



CREATE THE VISION AND EXPAND ECONOMIC DEVELOPMENT EFFORTS

Pennsylvania's Members of Congress, Governor and Legislators should study locations of the existing 6,000 clean energy businesses in order to identify potential clean energy "pipeline" opportunity zones and work to attract complementary manufacturing and other businesses to grow industry sectors and jobs throughout Pennsylvania.

ⁱ <https://energy.gov/downloads/2017-us-energy-and-employment-report>

ⁱⁱ <http://www.cleanjobspa.com/>

ⁱⁱⁱ <https://www.e2.org/clean-energy-pennsylvania-2/>

