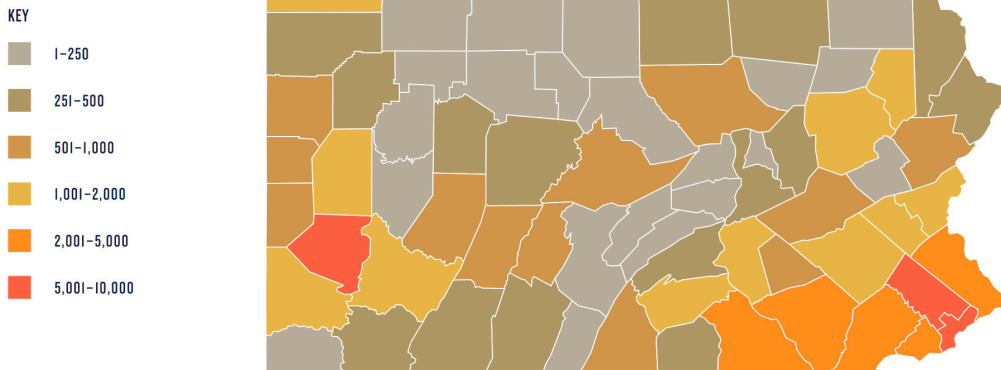


## CLEAN ENERGY AS AN ENGINE FOR JOB GROWTH IN PENNSYLVANIA

The 2017 Clean Jobs Pennsylvania report shows that there are nearly 70,000 clean energy jobs in Pennsylvania in more than 6,000 companies, with a 6 percent growth rate in clean energy jobs over the previous year's report.<sup>i</sup> The growth of clean energy jobs far outpaces the state's general employment growth rate, and there are **twice as many energy efficiency and renewable energy jobs in Pennsylvania as fossil fuel jobs.**

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

Fig. 7: Heat Map of Clean Energy Employment by County



According to "Our Energy Renewal: A Pennsylvania Clean Energy Map," there are more than 2,500 megawatts of renewable energy capacity in the state. Lancaster, Somerset and Cambria counties have some of the highest renewable energy concentrations.

### Energy Efficiency Jobs

There are **55,000 energy efficiency jobs** in Pennsylvania. Many of these jobs result from Act I29, the state's energy efficiency law, which has generated \$6.4 billion in benefits in the first seven years of the law.<sup>ii</sup>

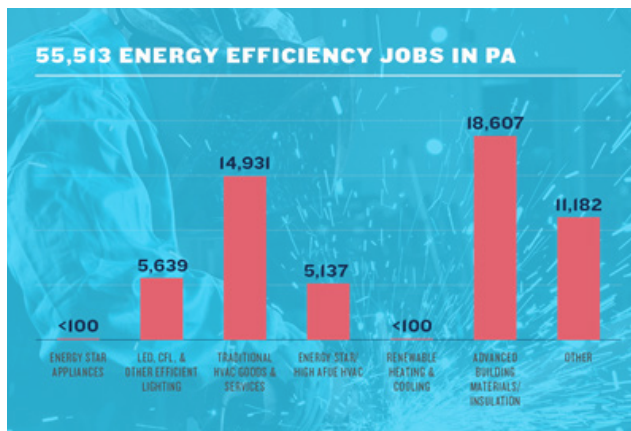
### Solar and Wind Jobs

There are 5,879 Solar Electric Generation jobs in Pennsylvania, an increase of 700 over the previous year. There are 1,656 Wind Electric Generation jobs in Pennsylvania.<sup>iii</sup>

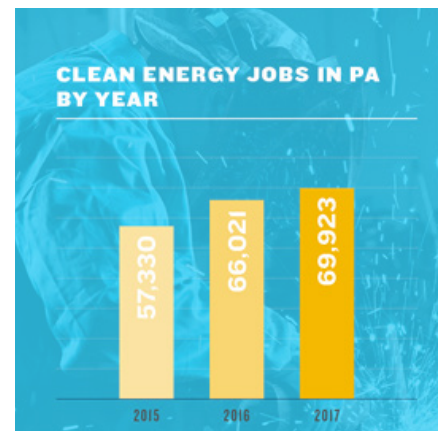
Rank	County	No. of Clean Energy Jobs
1	Allegheny	8,100
2	Philadelphia	5,900
3	Montgomery	5,800
4	Bucks	4,400
5	Chester	4,100
6	Delaware	3,300
7	Lancaster	3,100
8	Lehigh	2,000
9	Luzerne	2,000
10	Westmoreland	2,000

Rank	County	Total Renewable Generation (MW)
1	Lancaster	774
2	Somerset	364
3	Cambria	248
4	Blair	157
5	Schuylkill	148
6	Wyoming	143
7	Bucks	130
8	Fayette	103
9	Tioga	101
10	Delaware	84





Energy Efficiency Jobs in PA (2017)



Changes in Clean Energy Jobs by Year (2017)

## Policies Matter

To continue creating thousands more jobs for Pennsylvanians:

- Increase the overall **Tier I requirements under the Alternative Energy Portfolio Standards (AEPS)** to be more competitive with neighboring state energy renewable energy goals.
- Support **Property Assessed Clean Energy (PACE)** for commercial and industrial properties to enable funding for energy efficiency and renewable energy projects that can be paid back on the property tax assessment bill.
- Protect and strengthen key policies in Pennsylvania such as **Act 129** for energy efficiency and **net metering rights** for renewable energy.
- Adopt policies to **support more electric vehicles**. Maximizing investments in electric vehicles (EVs) and charging infrastructure will both reduce air pollution and grow jobs in Pennsylvania's clean transportation sector.
- Cities and local governments should cut energy waste in large existing buildings and encourage more renewable energy projects.
- **Permit community shared solar** in Pennsylvania so that people who do not have access to solar on their own property can participate in a solar installation elsewhere and be credited for that solar production directly on their electric bill.
- The U.S. Congress should protect the **Production Tax Credit** for wind, **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).



Photo credit: Energy Independent Solutions

## Grow Clean Jobs and Expand Economic Development

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.

- [www.cleanjobspa.com](http://www.cleanjobspa.com)
- <http://www.puc.pa.gov/pdocs/1530725.docx> Table 4-2, p. 54 and <http://www.puc.pa.gov/pdocs/1274547.pdf> Table 4-1, p. 182).
- Clean Jobs Pennsylvania, 2017, E2 and KEEA, August 2017, [www.E2.org/cleanjobspa](http://www.E2.org/cleanjobspa)

