

Advancing Nuclear Energy



Pennsylvania is one of the nation's leaders in nuclear energy production, with four active nuclear plants collectively generating enough electricity to power the equivalent of 7.6 million homes. The Keystone State is also the birthplace of America's first peace-time commercial nuclear power plant.

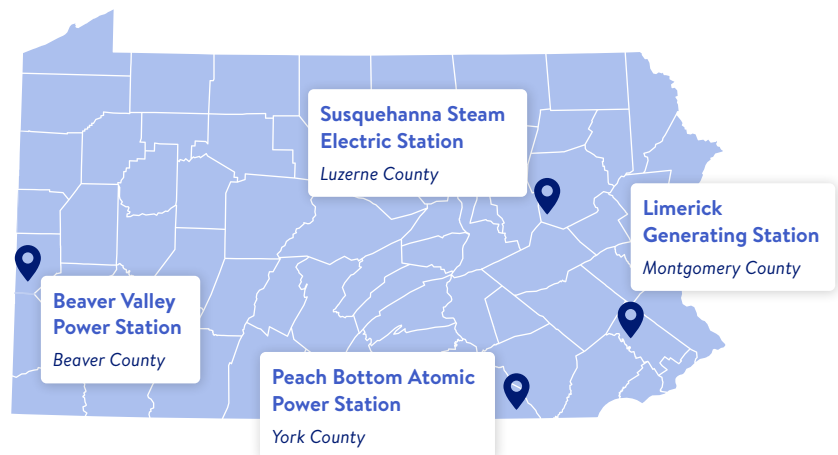
Nuclear energy remains an important source of electricity for Pennsylvania, comprising nearly 1/3 of electricity produced in the state, and represents 92% of our carbon-free power. Pennsylvania's nuclear sector sustained over 4,500 jobs in 2021. **The continuation – and expansion – of nuclear energy is essential to Pennsylvania's energy future.**¹

1/3

OF TOTAL ENERGY
PRODUCED IN PA
IS COMPRISED OF
NUCLEAR

Keeping Pennsylvania Nuclear Strong

Building Pennsylvania's stronger energy future will require safe, reliable and zero-carbon sources of electricity to keep our lights on and our economy humming. That means keeping our existing nuclear plants operating safely and keeping those good-paying jobs right here in Pennsylvania.



Advancing Innovative Nuclear Technologies

As we protect today's jobs, we also must advance the jobs of tomorrow as innovations emerge. New advancements, such as small modular reactors and non-water reactors, have the potential to move Pennsylvania and the U.S. to the forefront of a decarbonized energy future.

Advanced Nuclear Energy – including fission and fusion technologies – offer promising clean, 24/7 energy sources. These newer advanced systems use the same principles as conventional nuclear but have different characteristics that allow them to operate more flexibly and adapt to the changing energy landscape. The benefits of advanced nuclear energy include lower costs to build and operate the facilities; faster deployment of the technology; and easier, safer and cleaner operations.

Pennsylvania has been a national leader in nuclear power for more than a half-century. With federal investments in advanced nuclear technologies, the Keystone State can continue to lead in a new, innovation-focused Energy Future.

¹ <https://www.nei.org/resources/fact-sheets/pennsylvania>