

# **PENNSYLVANIA'S NUCLEAR ENERGY INDUSTRY IS A VITAL ASSET THAT PROVIDES MILLIONS OF HOUSEHOLDS AND BUSINESSES WITH SAFE, RELIABLE, CARBON-FREE ELECTRICITY.**

## **WHY IS NUCLEAR POWER ESSENTIAL TO PENNSYLVANIA?**

Nuclear power is clean, safe, reliable and affordable electricity that generates economic and environmental benefits for everyone. Schools, shops, hotels, restaurants, banks, community centers and homes benefit from the dependability that nuclear provides for daily living.

Nuclear energy is an indispensable part of Pennsylvania's energy mix, which also includes natural gas, coal and renewables. Maintaining a diversified energy portfolio is critical to improving the economy, protecting the environment, and ensuring a resilient electric system. Closing any one of these plants would have devastating effects on the Commonwealth's economy, environment and future competitiveness.

## **ABOUT NUCLEAR POWERS PENNSYLVANIA**

Nuclear Powers Pennsylvania is a statewide coalition that works to educate all Pennsylvanians about the economic and environmental benefits of nuclear energy and the industry's positive impact on local communities throughout the Keystone State.

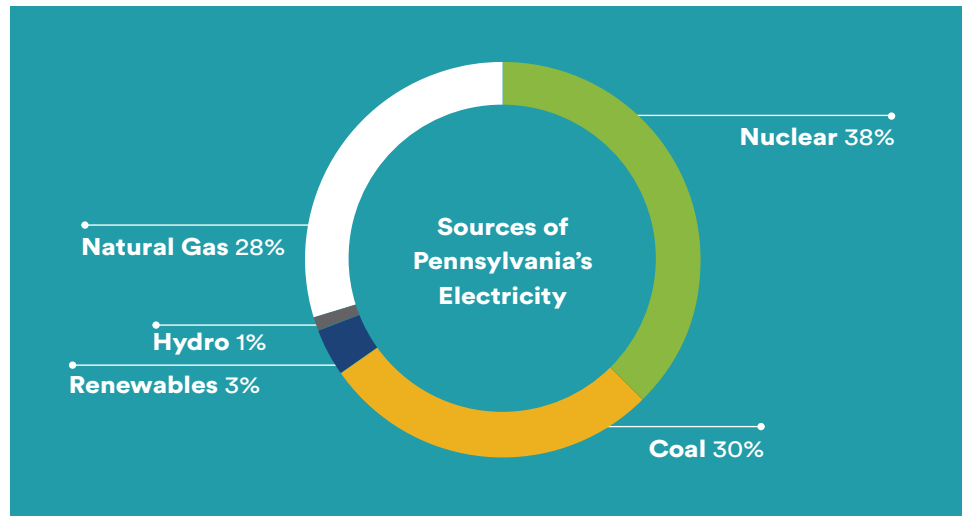
# SEVEN FACTS

ABOUT HOW NUCLEAR POWERS PENNSYLVANIA'S ECONOMY AND ENVIRONMENT



# 38%

**Nuclear energy** is the single greatest contributor to Pennsylvania's energy generation portfolio, representing 38% of the mix, while accounting for more than 90% of the Commonwealth's clean power.<sup>1,2</sup>



# \$2B

**Pennsylvania's nuclear energy contributes approximately \$2b to the state's gross domestic product and is responsible for \$69m in tax revenue annually.**<sup>2</sup>

This tax money funds vital community services like schools, roads, public transportation and law enforcement.

# 16k jobs

**More than 16,000 Pennsylvania jobs depend on nuclear energy.**<sup>2</sup>

Pennsylvania is home to more than 500 companies working in the nuclear industry.<sup>1</sup>

# 9 reactors

**Pennsylvania is a national leader in nuclear energy production.** The United States' first nuclear reactor was built in Shippingport, PA, and the Commonwealth today is second in the nation in nuclear power generating capacity. Pennsylvania is home to nine operational reactors at five sites.<sup>2,3</sup>

# 93%

**Nuclear energy represents 93% of Pennsylvania's carbon-free electricity** and is the only 'clean-air' source that can produce large amounts of electricity around the clock, as well as in extreme and inclement weather conditions.<sup>1</sup>

# 37M

**Pennsylvania's nuclear energy operations avoid 37m tons of CO<sup>2</sup> emissions each year.** This is equivalent to taking 8 million passenger cars off the road.<sup>2</sup>

# \$788M

**Nuclear energy prevents higher electricity prices of approximately \$788m annually.** Without nuclear in the energy mix, ratepayers would spend \$6.6b more over the next ten years. In addition, Pennsylvania would lose its energy independence and need to import about 12% of its total electricity needs from other states.<sup>2</sup>

<sup>1</sup> NEI Pennsylvania Fact Sheet: <https://www.nei.org/CorporateSite/media/filefolder/Backgrounders/Fact-Sheets/State%20Fact%20Sheets/Pennsylvania-State-Fact-Sheet.pdf?ext=.pdf>

<sup>2</sup> Pennsylvania Nuclear Powers Plants' Contribution to the State Economy – Brattle Report: [http://www.pachamber.org/assets/pdf/advocacy/2016\\_12\\_05\\_pa\\_nuclear\\_report.pdf](http://www.pachamber.org/assets/pdf/advocacy/2016_12_05_pa_nuclear_report.pdf)

<sup>3</sup> U.S. Nuclear Regulatory Commission: <https://www.nrc.gov/about-nrc/emerg-preparedness/history.html>