

**STATE ENERGY PROFILE**

Sources of electricity in New Jersey



**1,600**

High-paying, reliable jobs provided by New Jersey's nuclear plants

**85.3%**

Nuclear's share of New Jersey's carbon-free electricity, complementing wind and solar

**State Carbon Goals**

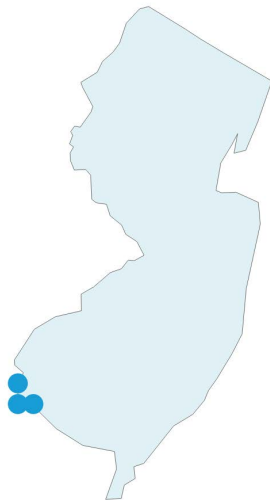
100% carbon-free electricity by 2050

**Utility Carbon Goals**

FirstEnergy

PSEG

**NUCLEAR PLANTS**



**93.3%**

Capacity factor of nuclear plants in New Jersey from 2021 to 2023

**11.0 million**

Metric tons of carbon emissions avoided by nuclear energy in New Jersey

**3.5 million**

Number of homes powered by nuclear energy in New Jersey

**Nuclear News**

PSEG is pursuing second license renewals for Salem 1 & 2 and Hope Creek, which provide the vast majority of clean electricity in New Jersey.

U.S. Congress supports nuclear & other clean energy in the 2021 Bipartisan Infrastructure Law and 2022 Inflation Reduction Act.

**REACTOR DETAILS**

Reactor Name	County	Majority Owner(s)	Capacity (MW)	Capacity Factor (%)	License End Year
Hope Creek 1	Salem	PSEG	1,172	91.6%	2046
Salem 1	Salem	PSEG	1,146	94.2%	2036
Salem 2	Salem	PSEG	1,139	94.2%	2040

**NUCLEAR POWER ACROSS THE U.S.**



**45.5%**

share of carbon-free electricity generated by nuclear energy

**437M**

metric tons of carbon emissions avoided in 2023

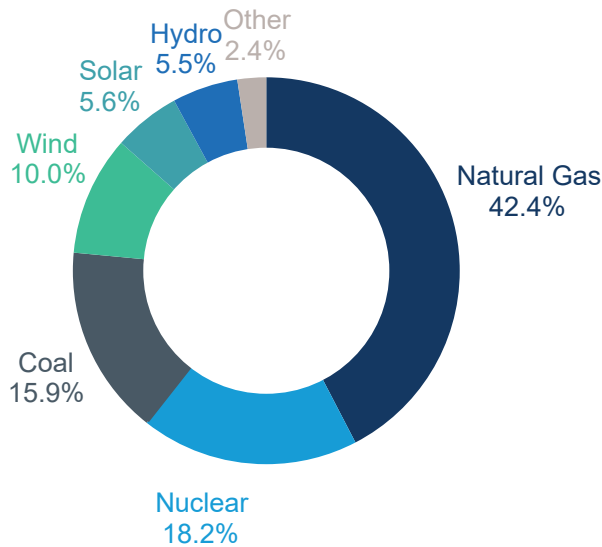
**250,000**

well-paying, sustainable direct and indirect jobs in the nuclear industry

**93.0%**

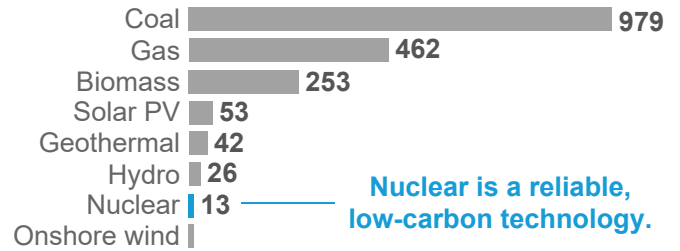
capacity factor of U.S. nuclear plants in 2023 as a reliable electricity source

**U.S. GENERATION BY FUEL SOURCE 2023**



**COMPARISON OF LIFECYCLE EMISSIONS**

Tons of Carbon Dioxide Equivalent per Gigawatt-Hour



**5**

uranium pellets generate a household's annual electricity, compared to 5 tons of coal

