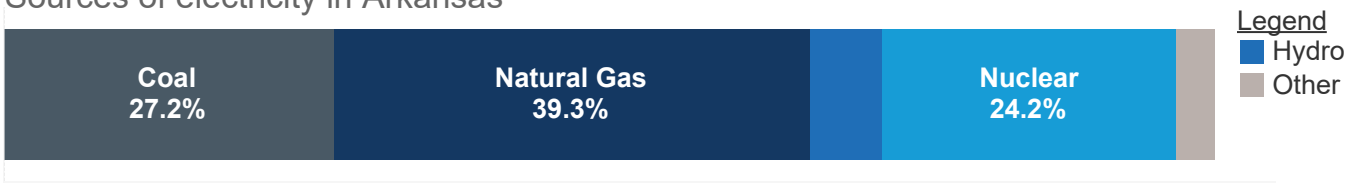
NUCLEAR ENERGY INSTITUTE

NUCLEAR ENERGY FACT SHEET 2024

Arkansas

STATE ENERGY PROFILE

Sources of electricity in Arkansas



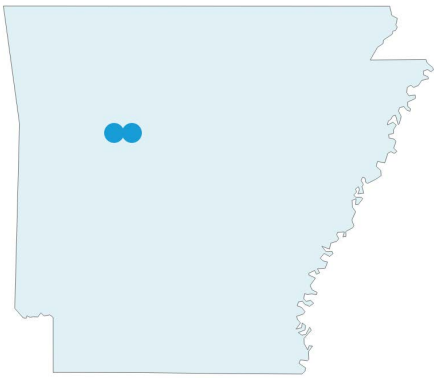
950
High-paying, reliable jobs provided by Arkansas' nuclear plants

75.4%
Nuclear's share of Arkansas' carbon-free electricity, complementing wind and solar

State Carbon Goals
None

Utility Carbon Goals
Entergy

NUCLEAR PLANTS



89.6%
Capacity factor of nuclear plants in Arkansas from 2021 to 2023

9.4 million
Metric tons of carbon emissions avoided by nuclear energy in Arkansas

1.1 million
Number of homes powered by nuclear energy in Arkansas

Nuclear News

In 2023, the Arkansas legislature passed a bill establishing a Nuclear Recycling Program.

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
Arkansas Nuclear One 1	Pope	Entergy	833	88.6%	2034
Arkansas Nuclear One 2	Pope	Entergy	989	90.5%	2038

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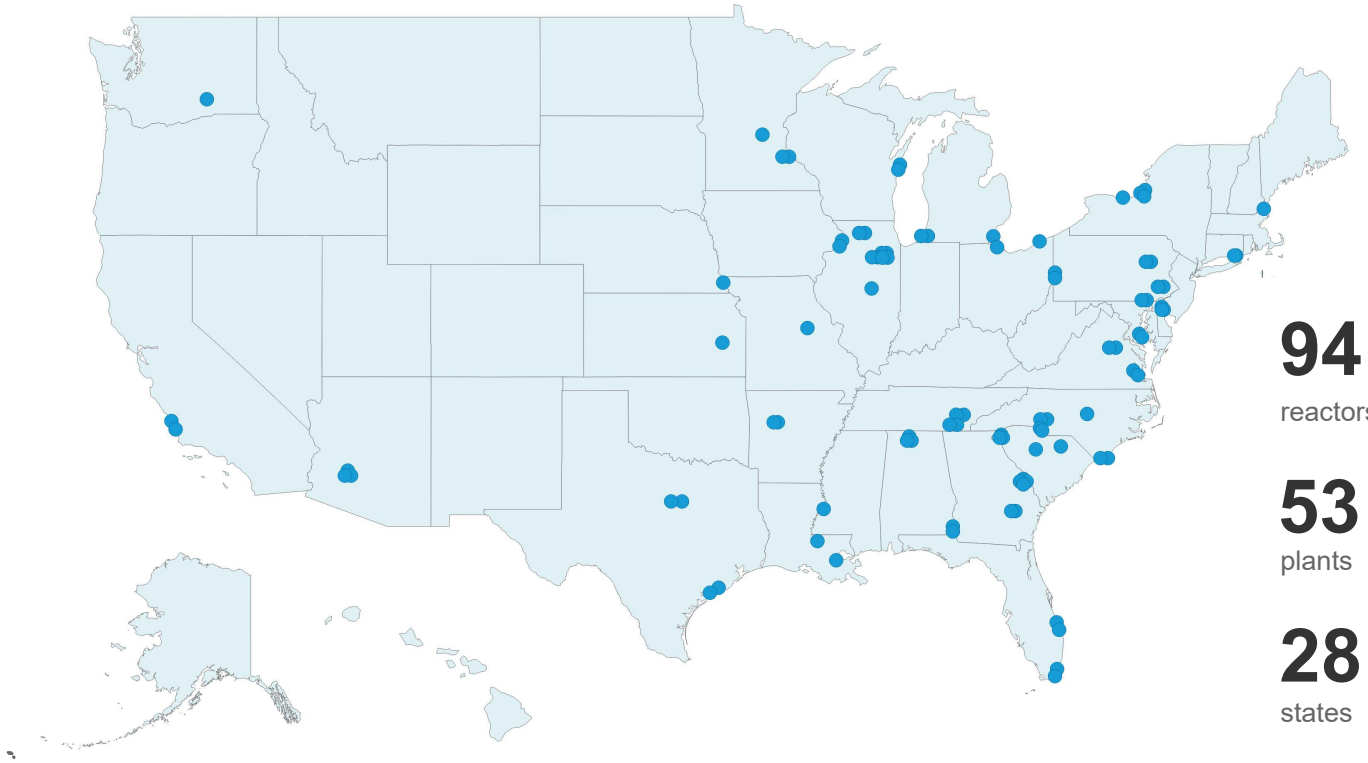
United States

NUCLEAR POWER ACROSS THE U.S.



94 reactors

53 plants

28 states

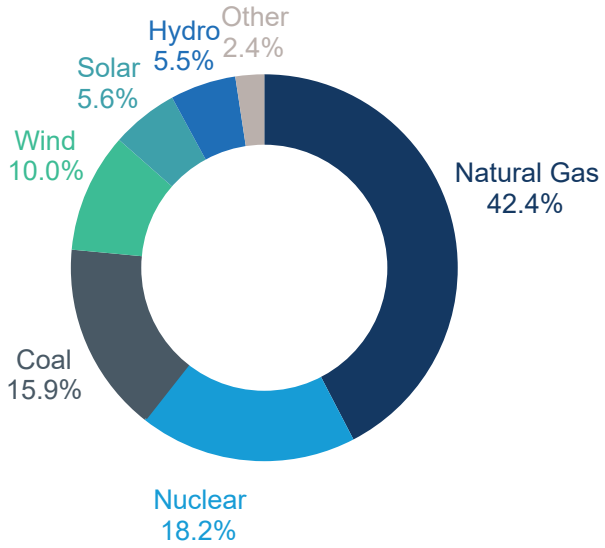
45.5%
share of carbon-free electricity generated by nuclear energy

437M
metric tons of carbon emissions avoided in 2023

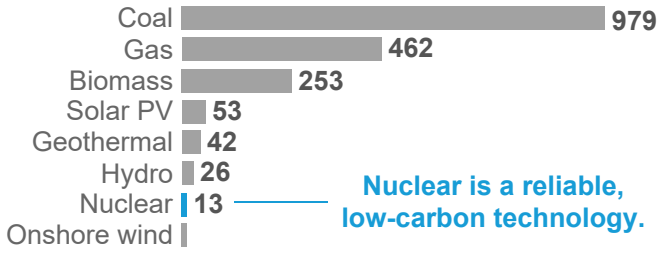
250,000
well-paying, sustainable direct and indirect jobs in the nuclear industry

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