

STATE ENERGY PROFILE

Sources of electricity in Alabama



Legend
 Hydro
 Other

2,300

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

80.3%

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

State Carbon Goals

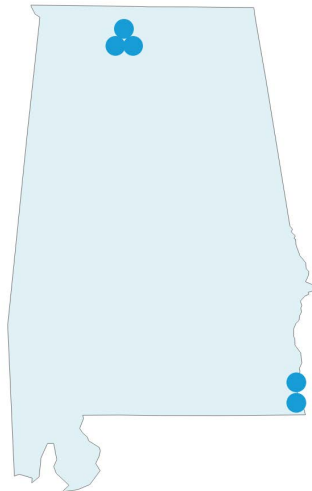
None

Utility Carbon Goals

Alabama Power

Tennessee Valley Authority

NUCLEAR PLANTS



92.9%

Capacity factor of nuclear plants in Alabama from 2021 to 2023

24.6 million

Metric tons of carbon emissions avoided by nuclear energy in Alabama

3.2 million

Number of homes powered by nuclear energy in Alabama

Nuclear News

Tennessee Valley Authority is pursuing a subsequent license renewal for Browns Ferry 1, 2 & 3 for 20 additional years of reliable, carbon-free electricity.

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
Browns Ferry 1	Limestone	TVA	1,227	95.5%	2033
Browns Ferry 2	Limestone	TVA	1,208	93.2%	2034
Browns Ferry 3	Limestone	TVA	1,227	92.7%	2036
Farley 1	Houston	Southern Company	895	88.7%	2037
Farley 2	Houston	Southern Company	896	93.5%	2041

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

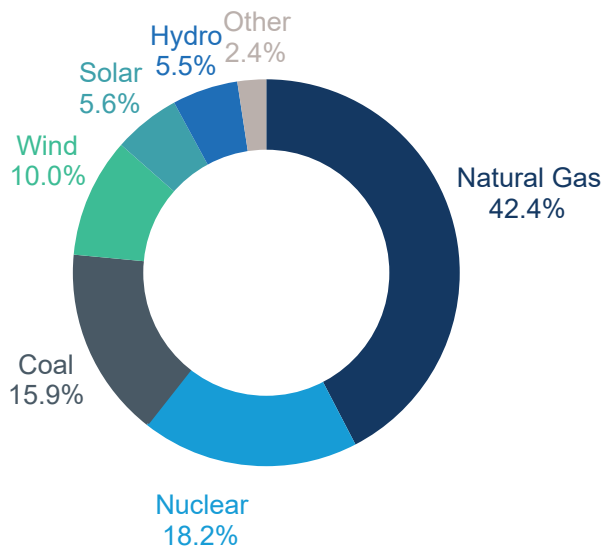
250,000

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

93.0%

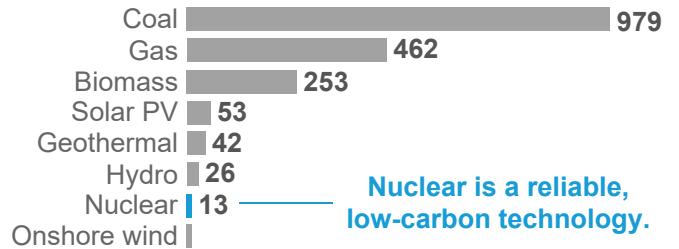
capacity factor of U.S. nuclear plants in 2023 as a reliable electricity source

U.S. GENERATION BY FUEL SOURCE 2023



COMPARISON OF LIFECYCLE EMISSIONS

Tons of Carbon Dioxide Equivalent per Gigawatt-Hour



Nuclear is a reliable, low-carbon technology.

5

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

