





STATE ENERGY PROFILE

Sources of electricity in Maryland



Legend

-  Solar
-  Coal
-  Hydro
-  Other

825

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

76.1%

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

State Carbon Goals

Net zero GHG emissions by 2045

Utility Carbon Goals

Constellation Energy

FirstEnergy

NUCLEAR PLANTS



99.5%

Capacity factor of nuclear plants in Maryland from 2021 to 2023

7.6 million

Metric tons of carbon emissions avoided by nuclear energy in Maryland

1.3 million

Number of homes powered by nuclear energy in Maryland

Nuclear News

In 2022, the Maryland Climate Action Now Act passed with a call for recognition of nuclear's carbon-free attribute.

The Maryland Energy Administration released a study of advanced nuclear deployment in 2022.

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
Calvert Cliffs 1	Calvert	Constellation Energy	866	101.2%	2034
Calvert Cliffs 2	Calvert	Constellation Energy	842	97.8%	2036

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

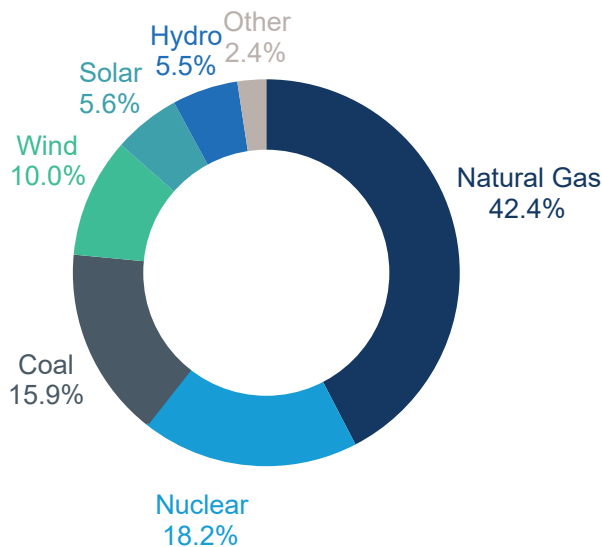
250,000

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

93.0%

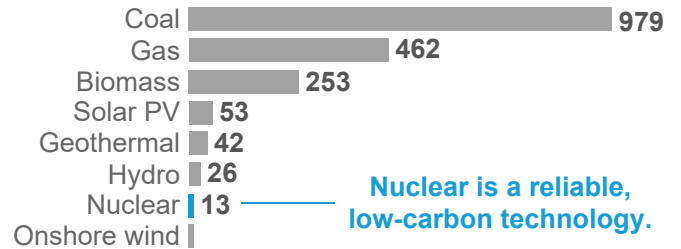
capacity factor of U.S. nuclear plants in 2023 as a reliable electricity source

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

