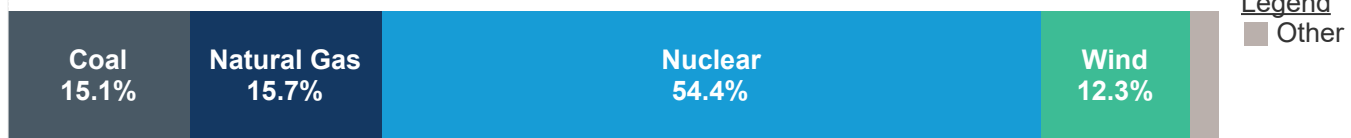


## STATE ENERGY PROFILE

Sources of electricity in Illinois



4,100

High-paying, reliable jobs provided by Illinois' nuclear plants

79.2%

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

## State Carbon Goals

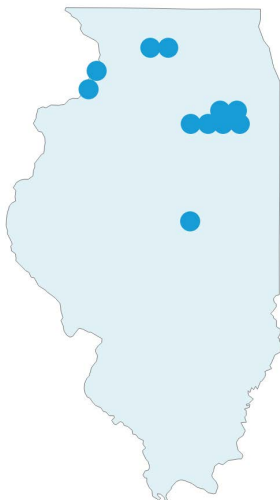
Zero carbon emissions from electricity by 2045

## Utility Carbon Goals

Ameren

Constellation Energy

## NUCLEAR PLANTS



96.4%

Capacity factor of nuclear plants in Illinois from 2021 to 2023

66.6 million

Metric tons of carbon emissions avoided by nuclear energy in Illinois

11.3 million

Number of homes powered by nuclear energy in Illinois

## Nuclear News

Illinois passed two zero-emissions credit program bills in 2016 and 2021 to accurately value nuclear plants.

Illinois repealed their nuclear moratorium in 2023.

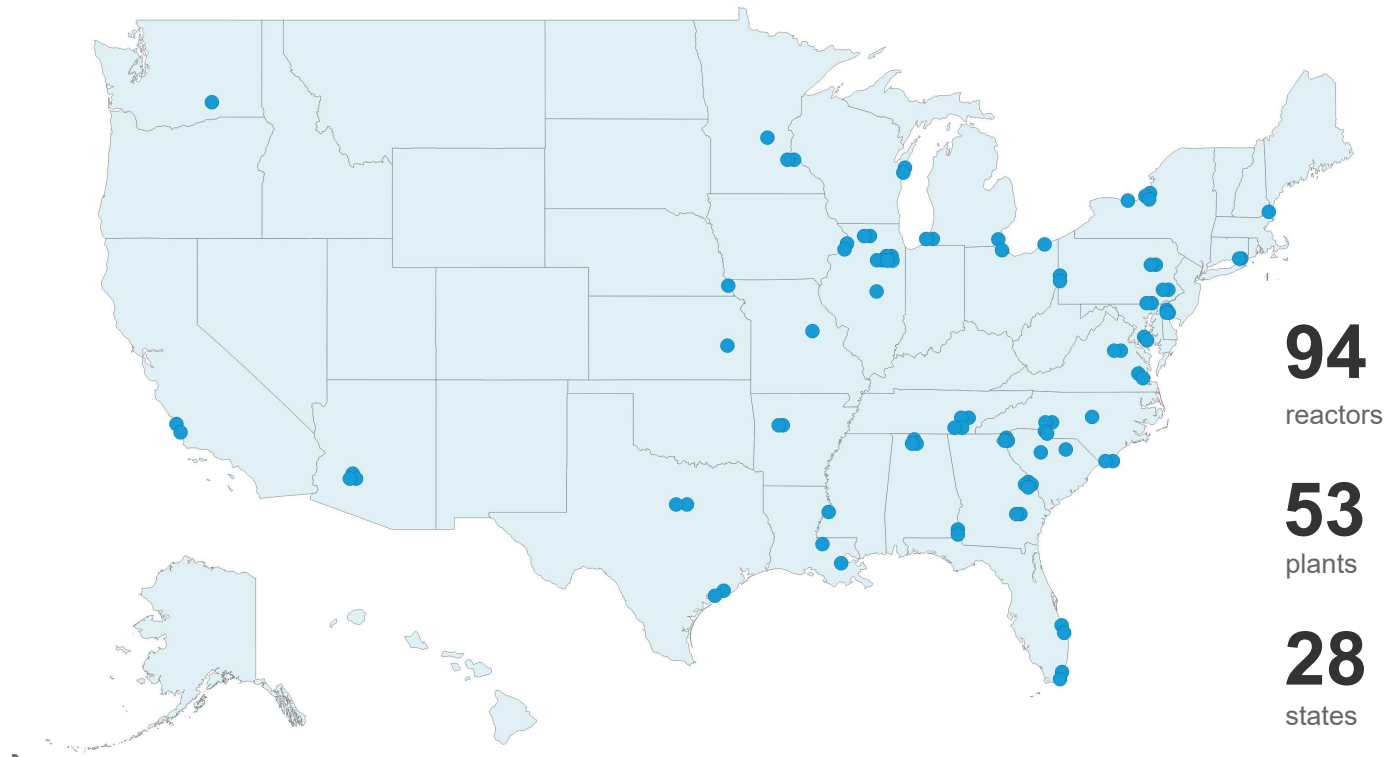
The University of Illinois is looking to collaborate with Ultra Safe Nuclear Corporation on a microreactor demonstration.

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
Braidwood 1	Will	Constellation Energy	1,183	97.6%	2046
Braidwood 2	Will	Constellation Energy	1,154	96.9%	2047
Byron 1	Ogle	Constellation Energy	1,164	98.2%	2044
Byron 2	Ogle	Constellation Energy	1,136	97.6%	2046
Clinton	DeWitt	Constellation Energy	1,050	92.2%	2026
Dresden 2	Grundy	Constellation Energy	902	96.4%	2029
Dresden 3	Grundy	Constellation Energy	895	96.9%	2031
LaSalle 1	LaSalle	Constellation Energy	1,131	99.2%	2042
LaSalle 2	LaSalle	Constellation Energy	1,134	93.0%	2043
Quad Cities 1	Rock Island	Constellation Energy	908	97.0%	2032
Quad Cities 2	Rock Island	Constellation Energy	911	95.5%	2032

## 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

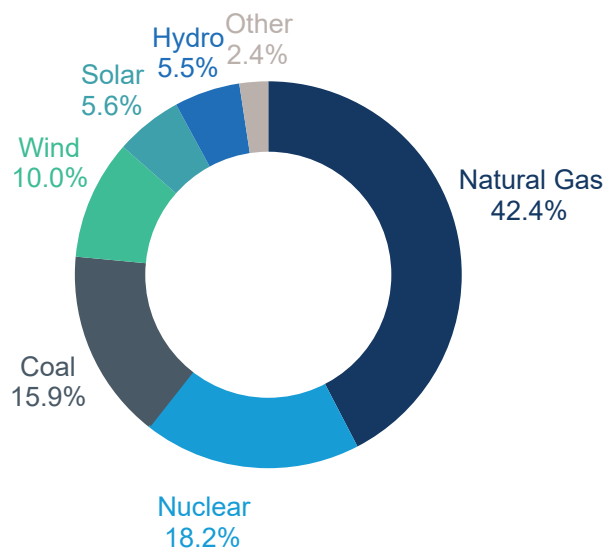
**250,000**

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

**93.0%**

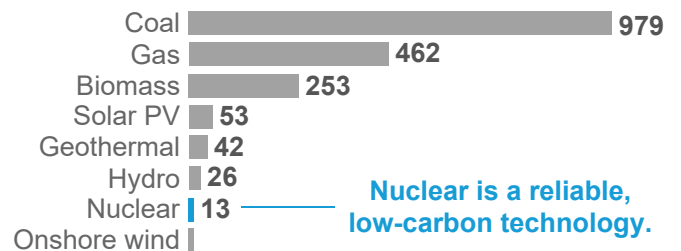
capacity factor of U.S.  
nuclear plants in 2023 as a  
reliable electricity source

## 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

