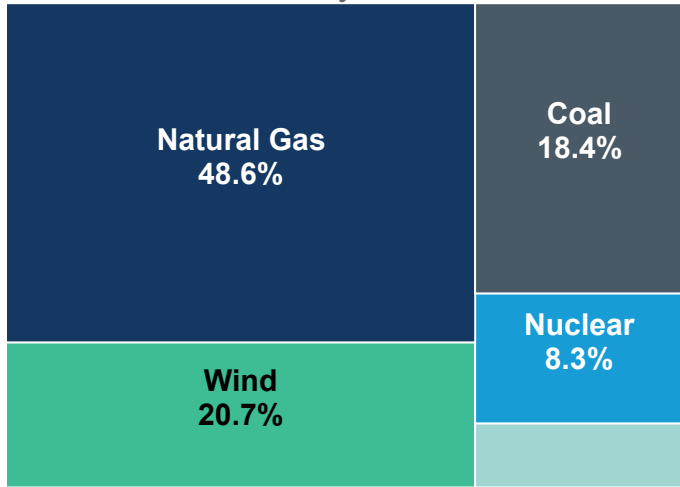


## STATE ENERGY PROFILE

### Sources of electricity in Texas



**25.9%**

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

**2,200**

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

### State Carbon Goals

None

### Utility Carbon Goals

- American Electric Power
- Austin Energy
- CPS Energy
- Energy
- Xcel Energy

## NUCLEAR PLANTS



**94.1%**

Capacity factor of nuclear plants in Texas from 2019 to 2021

**25.5 million**

Metric tons of carbon emissions avoided in Texas

**3.0 million**

Number of homes powered by nuclear energy in Texas

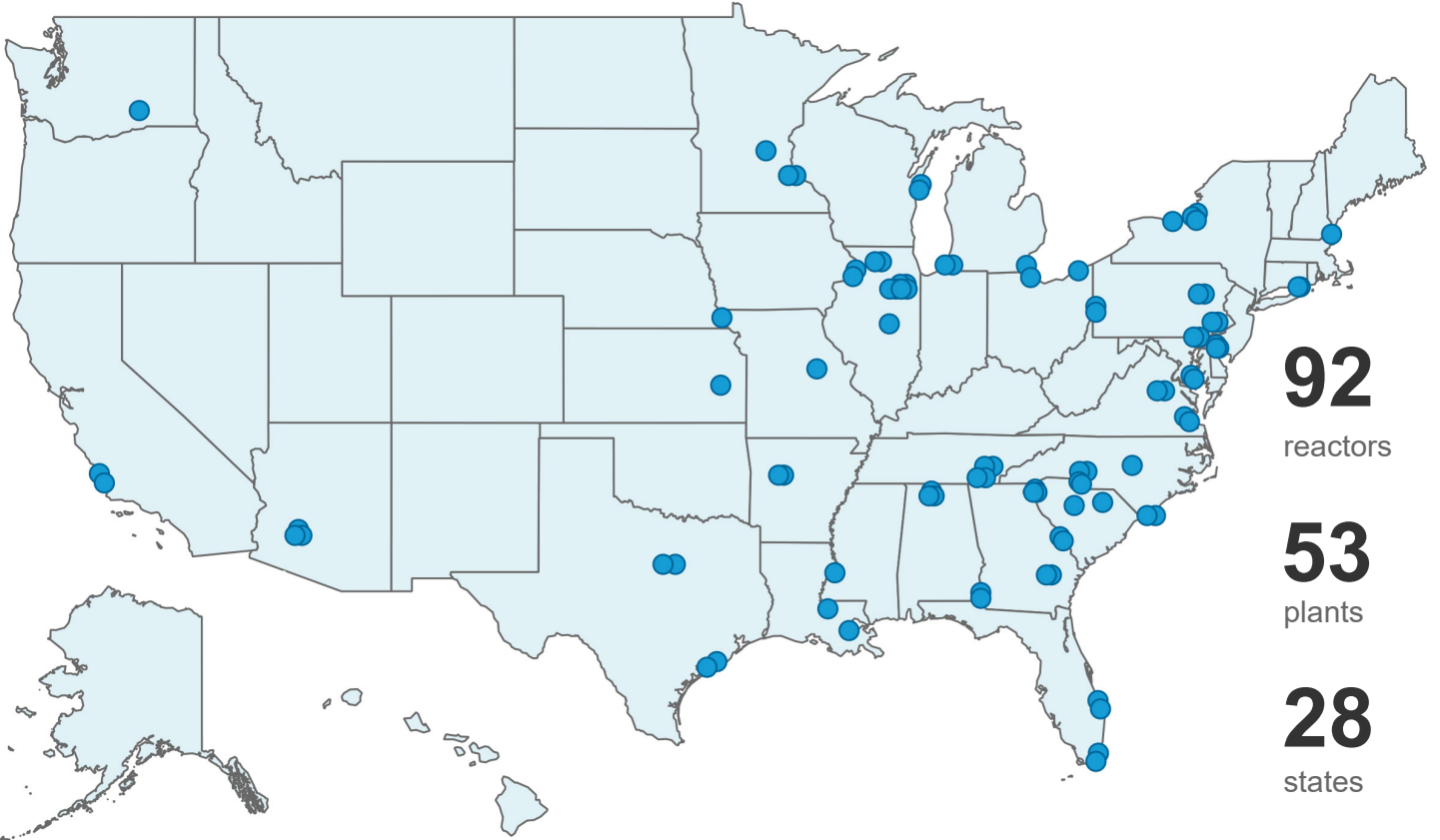
### Nuclear News

In 2021, Congress passed the Bipartisan Infrastructure Law, which demonstrated the vital role nuclear energy will play in our energy transition.

## REACTOR DETAILS

Reactor Name	County	Owner	Capacity (MW)	Capacity Factor (%)	License End Date
Comanche Peak 1	Somervell	Vistra	1,205	93.9%	2030
Comanche Peak 2	Somervell	Vistra	1,195	90.3%	2033
South Texas 1	Matagorda	STP	1,300	95.3%	2047
South Texas 2	Matagorda	STP	1,280	96.7%	2048

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



**92**  
reactors

**53**  
plants

**28**  
states

**50.4%**

share of carbon-free electricity generated by nuclear energy

**482M**

metric tons of carbon emissions avoided in 2021

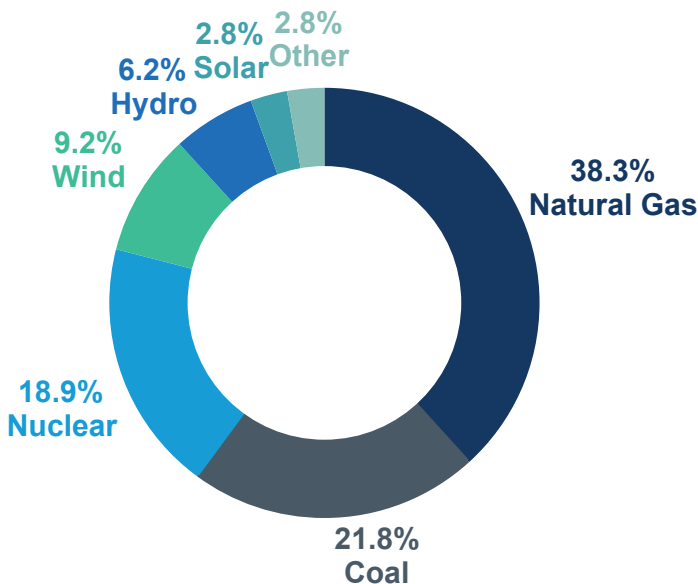
**475,000**

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

**92.7%**

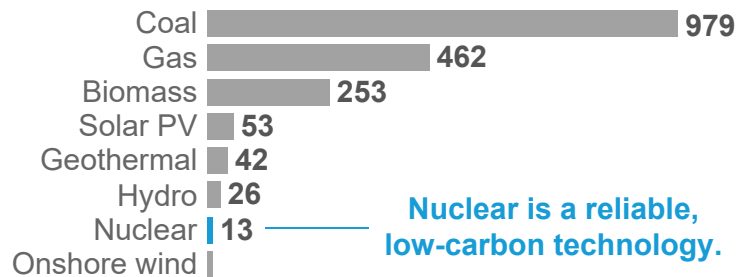
capacity factor of U.S. nuclear plants in 2021 as a reliable electricity source

**U.S. GENERATION BY FUEL SOURCE 2021**



**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



**1 URANIUM FUEL PELLETT**  
THE SIZE OF YOUR FINGERTIP