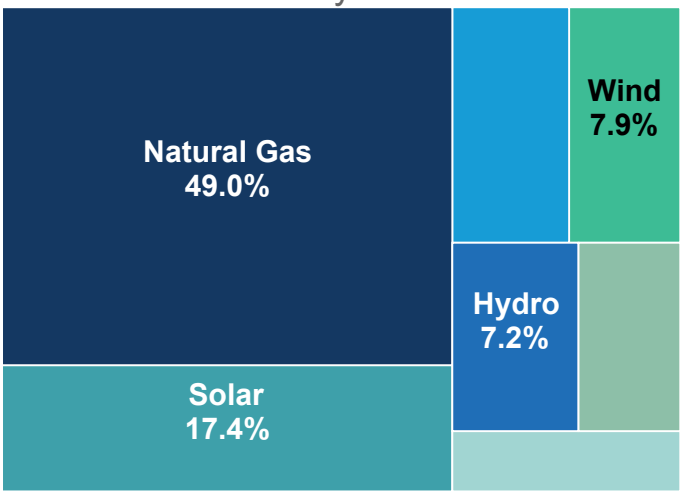
NUCLEAR ENERGY INSTITUTE

NUCLEAR ENERGY FACT SHEET 2022

California

STATE ENERGY PROFILE

Sources of electricity in California



17.9%
Nuclear's share of California's carbon-free electricity, complementing wind and solar

1,400
High-paying, reliable jobs provided by California's nuclear plants

State Carbon Goals

100% carbon-free resources by 2045

Utility Carbon Goals

Los Angeles Dept. of W&P

PacifiCorp

Sacramento Muni. Utility District

NUCLEAR PLANTS

83.0%
Capacity factor of nuclear plants in California from 2019 to 2021

6.9 million
Metric tons of carbon emissions avoided in California

2.4 million
Number of homes powered by nuclear energy in California

Nuclear News

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

REACTOR DETAILS

Reactor Name	County	Owner	Capacity (MW)	Capacity Factor (%)	License End Date
Diablo Canyon 1	San Luis Obispo	PG&E	1,122	93.5%	2024
Diablo Canyon 2	San Luis Obispo	PG&E	1,118	72.4%	2025

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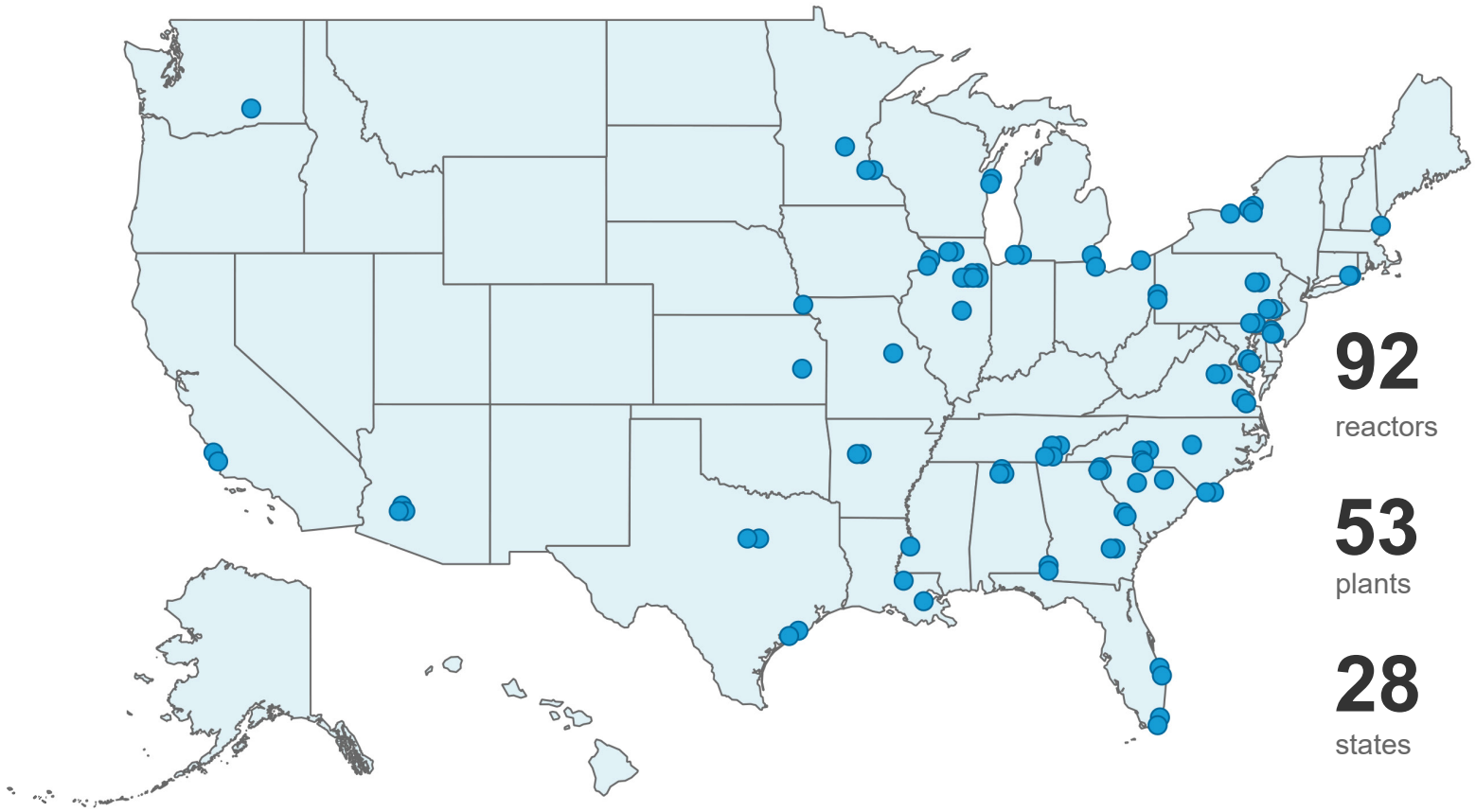
United States

NUCLEAR POWER ACROSS THE U.S.



92 reactors

53 plants

28 states

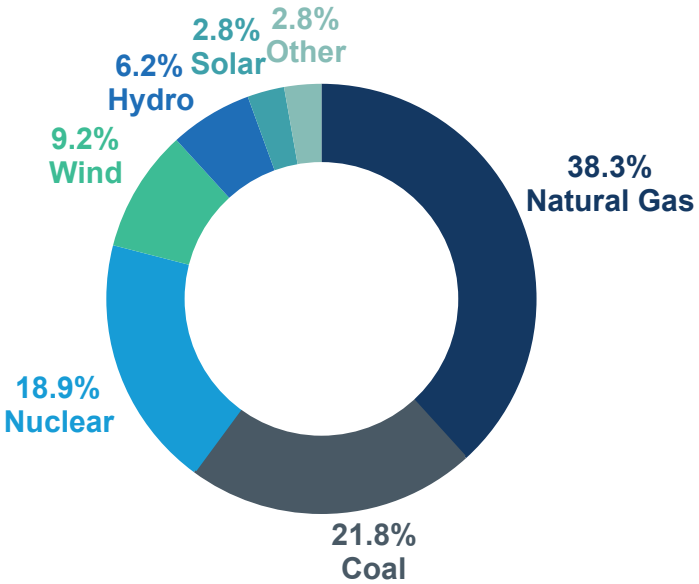
50.4%
share of carbon-free electricity generated by nuclear energy

482M
metric tons of carbon emissions avoided in 2021

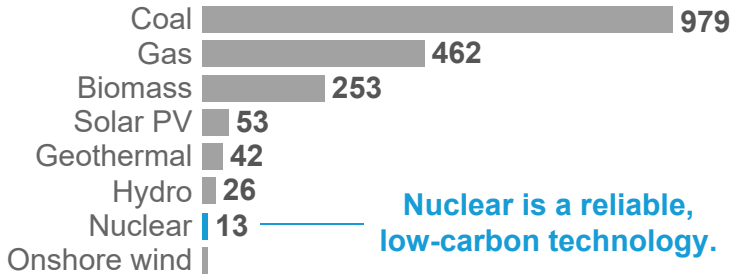
475,000
well-paying, sustainable direct and indirect jobs in the nuclear industry

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