

U.S. Nuclear Power Plants & Reactors

Source: NRC Operating Reactor List (Updated Feb 19, 2026) | EIA Capacity Data
Total: 95 reactors at 55 plants across 28 states Combined Capacity: ~97 GW |
~20% of U.S. electricity

PWR = Pressurized Water Reactor | BWR = Boiling Water Reactor Net capacity (MW) = net summer generating capacity Age calculated as of 2026

ALABAMA — 5 reactors, 2 plants

Browns Ferry Nuclear Plant

- **Location:** 32 miles west of Huntsville, AL
- **Operator:** Tennessee Valley Authority (TVA)
- **Unit 1** — BWR — 1,065 MW — Commercial operation: Aug 1974 — Age: ~52 yrs
- **Unit 2** — BWR — 1,065 MW — Commercial operation: Sep 1975 — Age: ~51 yrs
- **Unit 3** — BWR — 1,065 MW — Commercial operation: Mar 1977 — Age: ~49 yrs

Joseph M. Farley Nuclear Plant

- **Location:** 18 miles east of Dothan, AL
 - **Operator:** Southern Nuclear Operating Co.
 - **Unit 1** — PWR — 851 MW — Commercial operation: Dec 1977 — Age: ~49 yrs
 - **Unit 2** — PWR — 860 MW — Commercial operation: Jul 1981 — Age: ~45 yrs
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ARIZONA — 3 reactors, 1 plant

Palo Verde Nuclear Generating Station

- **Location:** 50 miles west of Phoenix, AZ
- **Operator:** Arizona Public Service Co.

- **Unit 1** — PWR — 1,314 MW — Commercial operation: Jan 1986 — Age: ~40 yrs
- **Unit 2** — PWR — 1,314 MW — Commercial operation: Sep 1986 — Age: ~40 yrs
- **Unit 3** — PWR — 1,314 MW — Commercial operation: Jan 1988 — Age: ~38 yrs

Largest nuclear plant in the U.S. by capacity (3,942 MW total)

ARKANSAS — 2 reactors, 1 plant

Arkansas Nuclear One (ANO)

- **Location:** 6 miles WNW of Russellville, AR
 - **Operator:** Entergy Nuclear Operations, Inc.
 - **Unit 1** — PWR — 836 MW — Commercial operation: Dec 1974 — Age: ~52 yrs
 - **Unit 2** — PWR — 988 MW — Commercial operation: Mar 1980 — Age: ~46 yrs
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CALIFORNIA — 2 reactors, 1 plant

Diablo Canyon Power Plant

- **Location:** 12 miles WSW of San Luis Obispo, CA
- **Operator:** Pacific Gas & Electric Co.
- **Unit 1** — PWR — 1,118 MW — Commercial operation: May 1985 — Age: ~41 yrs
- **Unit 2** — PWR — 1,118 MW — Commercial operation: Mar 1986 — Age: ~40 yrs

California's sole remaining nuclear facility; federal support secured 2024

CONNECTICUT — 2 reactors, 1 plant

Millstone Power Station

- **Location:** 3.2 miles WSW of New London, CT (Waterford, CT)
- **Operator:** Dominion Generation
- **Unit 2** — PWR — 870 MW — Commercial operation: Dec 1975 — Age: ~51 yrs

- **Unit 3** — PWR — 1,227 MW — Commercial operation: Apr 1986 — Age: ~40 yrs
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FLORIDA — 4 reactors, 2 plants

St. Lucie Plant

- **Location:** 10 miles SE of Fort Pierce, FL (Hutchinson Island)
- **Operator:** Florida Power & Light Co.
- **Unit 1** — PWR — 839 MW — Commercial operation: Dec 1976 — Age: ~50 yrs
- **Unit 2** — PWR — 987 MW — Commercial operation: Aug 1983 — Age: ~43 yrs

Turkey Point Nuclear Generating Station

- **Location:** 20 miles south of Miami, FL
 - **Operator:** Florida Power & Light Co.
 - **Unit 3** — PWR — 693 MW — Commercial operation: Dec 1972 — Age: ~54 yrs
 - **Unit 4** — PWR — 693 MW — Commercial operation: Sep 1973 — Age: ~53 yrs
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GEORGIA — 6 reactors, 2 plants

Edwin I. Hatch Nuclear Plant

- **Location:** 20 miles south of Vidalia, GA (Baxley)
- **Operator:** Southern Nuclear Operating Co.
- **Unit 1** — BWR — 876 MW — Commercial operation: Dec 1975 — Age: ~51 yrs
- **Unit 2** — BWR — 883 MW — Commercial operation: Sep 1979 — Age: ~47 yrs

Alvin W. Vogtle Electric Generating Plant

- **Location:** 26 miles SE of Augusta, GA (Waynesboro)
- **Operator:** Southern Nuclear Operating Co.
- **Unit 1** — PWR — 1,109 MW — Commercial operation: Jun 1987 — Age: ~39 yrs
- **Unit 2** — PWR — 1,127 MW — Commercial operation: May 1989 — Age: ~37 yrs

- **Unit 3** — PWR — 1,117 MW — Commercial operation: Jul 2023 — Age: ~3 yrs
- **Unit 4** — PWR — 1,114 MW — Commercial operation: Apr 2024 — Age: ~2 yrs

Only plant in the U.S. with 4 operating reactors; Units 3 & 4 are the newest reactors in the country

ILLINOIS — 11 reactors, 6 plants

Illinois has more reactors than any other state

Braidwood Generating Station

- **Location:** 20 miles SSW of Joliet, IL (Wilmington)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 1** — PWR — 1,178 MW — Commercial operation: Jul 1988 — Age: ~38 yrs
- **Unit 2** — PWR — 1,152 MW — Commercial operation: Oct 1988 — Age: ~38 yrs

Byron Generating Station

- **Location:** 17 miles SW of Rockford, IL (Byron)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 1** — PWR — 1,164 MW — Commercial operation: Sep 1985 — Age: ~41 yrs
- **Unit 2** — PWR — 1,136 MW — Commercial operation: Aug 1987 — Age: ~39 yrs

Clinton Power Station

- **Location:** 23 miles SSE of Bloomington, IL (Clinton)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 1** — BWR — 1,078 MW — Commercial operation: Apr 1987 — Age: ~39 yrs

Dresden Generating Station

- **Location:** 25 miles SW of Joliet, IL (Morris)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 2** — BWR — 867 MW — Commercial operation: Jun 1970 — Age: ~56 yrs

- **Unit 3** — BWR — 867 MW — Commercial operation: Nov 1971 — Age: ~55 yrs

LaSalle County Generating Station

- **Location:** 11 miles SE of Ottawa, IL (Marseilles)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 1** — BWR — 1,137 MW — Commercial operation: Jan 1984 — Age: ~42 yrs
- **Unit 2** — BWR — 1,137 MW — Commercial operation: Oct 1984 — Age: ~42 yrs

Quad Cities Generating Station

- **Location:** 20 miles NE of Moline, IL (Cordova)
 - **Operator:** Constellation Energy Generation, LLC
 - **Unit 1** — BWR — 908 MW — Commercial operation: Feb 1973 — Age: ~53 yrs
 - **Unit 2** — BWR — 911 MW — Commercial operation: Mar 1973 — Age: ~53 yrs
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KANSAS — 1 reactor, 1 plant

Wolf Creek Generating Station

- **Location:** 3.5 miles NE of Burlington, KS
 - **Operator:** Wolf Creek Nuclear Operating Corp.
 - **Unit 1** — PWR — 1,166 MW — Commercial operation: Sep 1985 — Age: ~41 yrs
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LOUISIANA — 2 reactors, 2 plants

River Bend Station

- **Location:** 24 miles NNW of Baton Rouge, LA (St. Francisville)
- **Operator:** Entergy Nuclear Operations, Inc.
- **Unit 1** — BWR — 974 MW — Commercial operation: Jun 1986 — Age: ~40 yrs

Waterford Steam Electric Station

- **Location:** 25 miles west of New Orleans, LA (Killona)

- **Operator:** Entergy Nuclear Operations, Inc.
 - **Unit 3** — PWR — 1,152 MW — Commercial operation: Sep 1985 — Age: ~41 yrs
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MARYLAND — 2 reactors, 1 plant

Calvert Cliffs Nuclear Power Plant

- **Location:** 40 miles south of Annapolis, MD (Lusby)
 - **Operator:** Constellation Energy Generation, LLC
 - **Unit 1** — PWR — 868 MW — Commercial operation: May 1975 — Age: ~51 yrs
 - **Unit 2** — PWR — 868 MW — Commercial operation: Apr 1977 — Age: ~49 yrs
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MICHIGAN — 4 reactors, 3 plants

Donald C. Cook Nuclear Plant

- **Location:** 13 miles south of Benton Harbor, MI (Bridgman)
- **Operator:** Indiana Michigan Power Co.
- **Unit 1** — PWR — 1,009 MW — Commercial operation: Aug 1975 — Age: ~51 yrs
- **Unit 2** — PWR — 1,060 MW — Commercial operation: Jul 1978 — Age: ~48 yrs

Enrico Fermi Nuclear Generating Station

- **Location:** 25 miles NE of Toledo, OH (Monroe County, MI)
- **Operator:** DTE Electric Company
- **Unit 2** — BWR — 1,122 MW — Commercial operation: Jan 1988 — Age: ~38 yrs

Palisades Nuclear Plant (*restarting*)

- **Location:** 5 miles south of South Haven, MI
- **Operator:** Holtec Palisades, LLC
- **Unit 1** — PWR — 805 MW — Original commercial operation: Dec 1971 — Relicensed/Restarting

*First nuclear plant in U.S. history to be relicensed for restart after permanent closure;
DOE loan approved 2024*

MINNESOTA — 3 reactors, 2 plants

Monticello Nuclear Generating Plant

- **Location:** 35 miles NW of Minneapolis, MN (Monticello)
- **Operator:** Northern States Power Co. – Minnesota
- **Unit 1** — BWR — 671 MW — Commercial operation: Jun 1971 — Age: ~55 yrs

Prairie Island Nuclear Generating Plant

- **Location:** 28 miles SE of Minneapolis, MN (Red Wing)
- **Operator:** Northern States Power Co. – Minnesota
- **Unit 1** — PWR — 551 MW — Commercial operation: Dec 1973 — Age: ~53 yrs
- **Unit 2** — PWR — 551 MW — Commercial operation: Dec 1974 — Age: ~52 yrs

Smallest individual reactors in the U.S. fleet (551 MW each)

MISSISSIPPI — 1 reactor, 1 plant

Grand Gulf Nuclear Station

- **Location:** 20 miles south of Vicksburg, MS (Port Gibson)
- **Operator:** Entergy Nuclear Operations, Inc.
- **Unit 1** — BWR — 1,400 MW — Commercial operation: Jul 1985 — Age: ~41 yrs

Largest single reactor in the U.S. fleet by capacity

MISSOURI — 1 reactor, 1 plant

Callaway Energy Center

- **Location:** 25 miles ENE of Jefferson City, MO (Fulton)

- **Operator:** Ameren UE
 - **Unit 1** — PWR — 1,236 MW — Commercial operation: Dec 1984 — Age: ~42 yrs
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NEBRASKA — 1 reactor, 1 plant

Cooper Nuclear Station

- **Location:** 23 miles south of Nebraska City, NE (Brownville)
 - **Operator:** Nebraska Public Power District
 - **Unit 1** — BWR — 769 MW — Commercial operation: Jul 1974 — Age: ~52 yrs
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NEW HAMPSHIRE — 1 reactor, 1 plant

Seabrook Station

- **Location:** 13 miles south of Portsmouth, NH
 - **Operator:** NextEra Energy Seabrook, LLC
 - **Unit 1** — PWR — 1,244 MW — Commercial operation: Aug 1990 — Age: ~36 yrs
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NEW JERSEY — 3 reactors, 2 plants

Hope Creek Generating Station

- **Location:** 18 miles SE of Wilmington, DE (Salem County, NJ)
- **Operator:** PSEG Nuclear, LLC
- **Unit 1** — BWR — 1,172 MW — Commercial operation: Dec 1986 — Age: ~40 yrs

Salem Nuclear Power Plant

- **Location:** 18 miles south of Wilmington, DE (Salem County, NJ)
- **Operator:** PSEG Nuclear, LLC
- **Unit 1** — PWR — 1,174 MW — Commercial operation: Jun 1977 — Age: ~49 yrs

- **Unit 2** — PWR — 1,174 MW — Commercial operation: Oct 1981 — Age: ~45 yrs
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NEW YORK — 4 reactors, 3 plants

James A. FitzPatrick Nuclear Power Plant

- **Location:** 6 miles NE of Oswego, NY
- **Operator:** Constellation Energy Generation, LLC
- **Unit 1** — BWR — 838 MW — Commercial operation: Jul 1975 — Age: ~51 yrs

R.E. Ginna Nuclear Power Plant

- **Location:** 20 miles NE of Rochester, NY (Ontario)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 1** — PWR — 581 MW — Commercial operation: Jul 1970 — Age: ~56 yrs

Smallest nuclear power plant in the U.S.

Nine Mile Point Nuclear Station

- **Location:** 6 miles NE of Oswego, NY (Scriba)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 1** — BWR — 621 MW — Commercial operation: Dec 1969 — Age: ~57 yrs
- **Unit 2** — BWR — 1,287 MW — Commercial operation: Mar 1988 — Age: ~38 yrs

Unit 1 is the oldest operating reactor in the United States

NORTH CAROLINA — 5 reactors, 3 plants

Brunswick Nuclear Plant

- **Location:** 30 miles south of Wilmington, NC (Southport)
- **Operator:** Duke Energy Progress, LLC
- **Unit 1** — BWR — 938 MW — Commercial operation: Mar 1977 — Age: ~49 yrs
- **Unit 2** — BWR — 937 MW — Commercial operation: Nov 1975 — Age: ~51 yrs

William B. McGuire Nuclear Station

- **Location:** 17 miles north of Charlotte, NC (Huntersville)
- **Operator:** Duke Energy Carolinas, LLC
- **Unit 1** — PWR — 1,100 MW — Commercial operation: Dec 1981 — Age: ~45 yrs
- **Unit 2** — PWR — 1,100 MW — Commercial operation: Mar 1984 — Age: ~42 yrs

Shearon Harris Nuclear Power Plant

- **Location:** 20 miles SW of Raleigh, NC (New Hill)
 - **Operator:** Duke Energy Progress, LLC
 - **Unit 1** — PWR — 939 MW — Commercial operation: May 1987 — Age: ~39 yrs
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OHIO — 2 reactors, 2 plants

Davis-Besse Nuclear Power Station

- **Location:** 21 miles ESE of Toledo, OH (Oak Harbor)
- **Operator:** Energy Harbor Nuclear Corp.
- **Unit 1** — PWR — 908 MW — Commercial operation: Jul 1978 — Age: ~48 yrs

Perry Nuclear Power Plant

- **Location:** 35 miles NE of Cleveland, OH (Perry)
 - **Operator:** FirstEnergy Nuclear Operating Co.
 - **Unit 1** — BWR — 1,261 MW — Commercial operation: Nov 1987 — Age: ~39 yrs
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PENNSYLVANIA — 8 reactors, 4 plants

Beaver Valley Power Station

- **Location:** 17 miles west of McCandless, PA (Shippingport)
- **Operator:** Vistra Corporation
- **Unit 1** — PWR — 939 MW — Commercial operation: Oct 1976 — Age: ~50 yrs

- **Unit 2** — PWR — 939 MW — Commercial operation: Nov 1987 — Age: ~39 yrs

Limerick Generating Station

- **Location:** 21 miles NW of Philadelphia, PA (Limerick Township)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 1** — BWR — 1,134 MW — Commercial operation: Feb 1986 — Age: ~40 yrs
- **Unit 2** — BWR — 1,134 MW — Commercial operation: Jan 1990 — Age: ~36 yrs

Peach Bottom Atomic Power Station

- **Location:** 17.9 miles south of Lancaster, PA (Delta)
- **Operator:** Constellation Energy Generation, LLC
- **Unit 2** — BWR — 1,293 MW — Commercial operation: Jul 1974 — Age: ~52 yrs
- **Unit 3** — BWR — 1,293 MW — Commercial operation: Sep 1974 — Age: ~52 yrs

Susquehanna Steam Electric Station

- **Location:** 70 miles NE of Harrisburg, PA (Berwick)
 - **Operator:** Susquehanna Nuclear, LLC
 - **Unit 1** — BWR — 1,259 MW — Commercial operation: Jun 1983 — Age: ~43 yrs
 - **Unit 2** — BWR — 1,259 MW — Commercial operation: Feb 1985 — Age: ~41 yrs
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SOUTH CAROLINA — 7 reactors, 4 plants

Catawba Nuclear Station

- **Location:** 18 miles south of Charlotte, NC (York County, SC)
- **Operator:** Duke Energy Carolinas, LLC
- **Unit 1** — PWR — 1,129 MW — Commercial operation: Jun 1985 — Age: ~41 yrs
- **Unit 2** — PWR — 1,129 MW — Commercial operation: Aug 1986 — Age: ~40 yrs

Oconee Nuclear Station

- **Location:** 30 miles west of Greenville, SC (Seneca)

- **Operator:** Duke Energy Carolinas, LLC
- **Unit 1** — PWR — 846 MW — Commercial operation: Jul 1973 — Age: ~53 yrs
- **Unit 2** — PWR — 846 MW — Commercial operation: Sep 1974 — Age: ~52 yrs
- **Unit 3** — PWR — 846 MW — Commercial operation: Dec 1974 — Age: ~52 yrs

H.B. Robinson Steam Electric Plant

- **Location:** 26 miles NW of Florence, SC (Hartsville)
- **Operator:** Duke Energy Progress, LLC
- **Unit 2** — PWR — 710 MW — Commercial operation: Mar 1971 — Age: ~55 yrs

V.C. Summer Nuclear Station

- **Location:** 26 miles NW of Columbia, SC (Jenkinsville)
- **Operator:** South Carolina Electric & Gas Co.
- **Unit 1** — PWR — 966 MW — Commercial operation: Jan 1984 — Age: ~42 yrs

TENNESSEE — 4 reactors, 2 plants

Sequoyah Nuclear Plant

- **Location:** 16 miles NE of Chattanooga, TN (Soddy-Daisy)
- **Operator:** Tennessee Valley Authority (TVA)
- **Unit 1** — PWR — 1,150 MW — Commercial operation: Jul 1981 — Age: ~45 yrs
- **Unit 2** — PWR — 1,150 MW — Commercial operation: Jun 1982 — Age: ~44 yrs

Watts Bar Nuclear Plant

- **Location:** 60 miles SW of Knoxville, TN (Spring City)
- **Operator:** Tennessee Valley Authority (TVA)
- **Unit 1** — PWR — 1,165 MW — Commercial operation: May 1996 — Age: ~30 yrs
- **Unit 2** — PWR — 1,165 MW — Commercial operation: Oct 2016 — Age: ~10 yrs

Unit 2 was the only new reactor to come online in the U.S. between 1996 and 2023

TEXAS — 4 reactors, 2 plants

Comanche Peak Nuclear Power Plant

- **Location:** 40 miles SW of Fort Worth, TX (Glen Rose)
- **Operator:** Vistra Operations Company, LLC
- **Unit 1** — PWR — 1,200 MW — Commercial operation: Aug 1990 — Age: ~36 yrs
- **Unit 2** — PWR — 1,200 MW — Commercial operation: Aug 1993 — Age: ~33 yrs

South Texas Project (STP)

- **Location:** 90 miles SW of Houston, TX (Bay City)
- **Operator:** STP Nuclear Operating Co.
- **Unit 1** — PWR — 1,280 MW — Commercial operation: Aug 1988 — Age: ~38 yrs
- **Unit 2** — PWR — 1,280 MW — Commercial operation: Jun 1989 — Age: ~37 yrs

VIRGINIA — 4 reactors, 2 plants

North Anna Power Station

- **Location:** 40 miles NW of Richmond, VA (Mineral)
- **Operator:** Dominion Generation
- **Unit 1** — PWR — 977 MW — Commercial operation: Jun 1978 — Age: ~48 yrs
- **Unit 2** — PWR — 977 MW — Commercial operation: Dec 1980 — Age: ~46 yrs

Surry Power Station

- **Location:** 17 miles NW of Newport News, VA (Surry)
 - **Operator:** Dominion Generation
 - **Unit 1** — PWR — 838 MW — Commercial operation: Dec 1972 — Age: ~54 yrs
 - **Unit 2** — PWR — 838 MW — Commercial operation: May 1973 — Age: ~53 yrs
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WASHINGTON — 1 reactor, 1 plant

Columbia Generating Station

- **Location:** 20 miles NNE of Pasco, WA (Richland)
 - **Operator:** Energy Northwest
 - **Unit 1** — BWR — 1,190 MW — Commercial operation: Dec 1984 — Age: ~42 yrs
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WISCONSIN — 2 reactors, 1 plant

Point Beach Nuclear Plant

- **Location:** 13 miles NNW of Manitowoc, WI (Two Rivers)
 - **Operator:** NextEra Energy Point Beach, LLC
 - **Unit 1** — PWR — 600 MW — Commercial operation: Dec 1970 — Age: ~56 yrs
 - **Unit 2** — PWR — 600 MW — Commercial operation: Oct 1972 — Age: ~54 yrs
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SUMMARY BY STATE

State	Plants	Reactors	Total Capacity (MW)
Alabama	2	5	~4,911
Arizona	1	3	~3,942
Arkansas	1	2	~1,824
California	1	2	~2,236
Connecticut	1	2	~2,097
Florida	2	4	~3,212
Georgia	2	6	~5,593
Illinois	6	11	~11,252
Kansas	1	1	~1,166

Louisiana	2	2	~2,126
Maryland	1	2	~1,736
Michigan	3	4	~3,996
Minnesota	2	3	~1,773
Mississippi	1	1	~1,400
Missouri	1	1	~1,236
Nebraska	1	1	~769
New Hampshire	1	1	~1,244
New Jersey	2	3	~3,520
New York	3	4	~3,327
North Carolina	3	5	~5,014
Ohio	2	2	~2,169
Pennsylvania	4	8	~9,244
South Carolina	4	7	~5,472
Tennessee	2	4	~4,630
Texas	2	4	~4,960
Virginia	2	4	~3,630
Washington	1	1	~1,190
Wisconsin	1	2	~1,200
TOTAL	55	95	~97,000

KEY FACTS

- **Oldest reactor:** Nine Mile Point Unit 1 (NY) — commercial operation Dec 1969
- **Newest reactors:** Vogtle Units 3 & 4 (GA) — 2023 and 2024

- **Largest single reactor:** Grand Gulf Unit 1 (MS) — 1,400 MW
- **Smallest single reactor:** Ginna (NY) — 581 MW; Prairie Island Units (MN) — 551 MW each
- **Most reactors per state:** Illinois (11 reactors)
- **Average fleet age:** ~42–45 years
- **Reactor types:** 64 Pressurized Water Reactors (PWR), 31 Boiling Water Reactors (BWR)
- **Nuclear's share of U.S. electricity:** ~19–20%

Sources: U.S. Nuclear Regulatory Commission (NRC) — Operating Reactor List, updated Feb 19, 2026; U.S. Energy Information Administration (EIA)