

Table 8.1 Nuclear Energy Overview

	Total Operable Units ^{a,b}	Net Summer Capacity of Operable Units ^{b,c}	Nuclear Electricity Net Generation	Nuclear Share of Electricity Net Generation	Capacity Factor ^d
	Number	Million Kilowatts	Million Kilowatthours	Percent	
1957 Total	1	0.055	10	(s)	NA
1960 Total	3	.411	518	.1	NA
1965 Total	13	.793	3,657	.3	NA
1970 Total	20	7.004	21,804	1.4	NA
1975 Total	57	37.267	172,505	9.0	55.9
1980 Total	71	51.810	251,116	11.0	56.3
1985 Total	96	79.397	383,691	15.5	58.0
1990 Total	112	99.624	576,862	19.0	66.0
1995 Total	109	99.515	673,402	20.1	77.4
2000 Total	104	97.860	753,893	19.8	88.1
2005 Total	104	99.988	781,986	19.3	89.3
2010 Total	104	101.167	806,968	19.6	91.1
2011 Total	104	^c 101.419	790,204	19.3	89.1
2012 Total	104	101.885	769,331	19.0	86.1
2013 Total	100	99.240	789,016	19.4	90.8
2014 Total	99	98.569	797,166	19.5	91.7
2015 Total	99	98.672	797,178	19.5	92.3
2016 Total	99	99.565	805,694	19.8	92.3
2017 Total	99	99.629	804,950	19.9	92.3
2018 Total	98	99.433	807,084	19.3	92.5
2019 Total	96	98.119	809,409	19.6	93.5
2020 Total	94	96.501	789,879	19.7	92.5
2021 Total	93	95.546	779,645	19.0	92.8
2022 January	93	95.406	70,577	18.9	99.4
February	93	95.406	61,852	19.1	96.5
March	93	95.406	63,154	19.5	89.0
April	93	95.406	55,290	18.2	80.5
May	93	95.427	63,382	18.5	89.3
June	92	94.659	65,715	17.3	96.4
July	92	94.659	68,857	16.3	97.8
August	92	94.659	68,897	16.7	97.8
September	92	94.659	63,733	18.1	93.5
October	92	94.659	58,945	18.8	83.7
November	92	94.659	62,041	19.3	91.0
December	92	94.659	69,094	19.2	98.1
Total	92	94.659	771,537	18.2	92.7
2023 January	92	^E 94.632	70,870	20.4	^E 100.7
February	92	^E 94.632	60,807	19.7	^E 95.6
March	92	^E 94.632	62,820	19.0	^E 89.2
April	92	^E 94.632	56,662	18.9	^E 83.2
May	92	^E 94.632	61,473	18.8	^E 87.3
June	92	^E 94.632	64,965	18.2	^E 95.3
July	92	^E 95.746	69,888	16.4	^E 99.1
August	93	^E 95.746	69,744	16.4	^E 97.9
September	93	^E 95.746	65,560	18.3	^E 95.1
October	93	^E 95.746	61,403	18.6	^E 86.2
November	93	^E 95.746	62,258	19.3	^E 90.3
December	93	^E 95.746	68,898	19.9	^E 96.7
Total	93	^E95.746	775,347	18.6	^E93.1
2024 January	93	^E 95.723	69,080	18.2	^E 97.1
February	93	^E 95.723	64,584	20.2	^E 96.9
March	93	^E 95.723	63,346	19.6	^E 88.9
April	93	^E 95.760	57,326	18.5	^E 83.2
4-Month Total	93	^E95.760	254,336	19.1	^E91.5
2023 4-Month Total	92	^E94.632	251,160	19.5	^E92.2
2022 4-Month Total	93	95.406	250,872	18.9	91.3

^a Total of nuclear generating units holding full-power licenses, or equivalent permission to operate, at end of period. See Note 1, "Operable Nuclear Reactors," at end of section.

^b At end of period.

^c For the definition of "Net Summer Capacity," see Note 2, "Nuclear Capacity," at end of section. Beginning in 2011, monthly capacity values are estimated in two steps: 1) uprates and derates reported on Form EIA-860M are added to specific months; and 2) the difference between the resulting year-end capacity (from data reported on Form EIA-860M) and final capacity (reported on Form EIA-860) is allocated to the month of January.

^d Beginning in 2008, capacity factor data are calculated using a new

methodology. For an explanation of the method of calculating the capacity factor, see Note 2, "Nuclear Capacity," at end of section.

^E=Estimate. NA=Not available. (s)=Less than 0.05%.

Notes: • For a discussion of nuclear reactor unit coverage, see Note 1, "Operable Nuclear Reactors," at end of section. • Nuclear electricity net generation totals may not equal sum of components due to independent rounding.

• Geographic coverage is the 50 states and the District of Columbia. Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#nuclear> (Excel and CSV files) for all available annual data beginning in 1957 and monthly data beginning in 1973.

Sources: See end of section.