

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 Kilowatt-hours	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
2001 Total	104	98.159	768,826	20.6	89.4
2002 Total	104	98.657	780,064	20.2	90.3
2003 Total	104	99.209	763,733	19.7	87.9
2004 Total	104	99.628	788,528	19.9	90.1
2005 Total	104	99.988	781,986	19.3	89.3
2006 Total	104	100.334	787,219	19.4	89.6
2007 Total	104	100.266	806,425	19.4	91.8
2008 Total	104	100.755	806,208	19.6	^d 91.1
2009 Total	104	101.004	798,855	20.2	90.3
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	89.9
2014 Total	99	98.569	797,166	19.5	91.7
2015 January	99	98.533	74,270	20.6	101.3
February	99	98.533	63,461	19.0	95.8
March	99	98.533	64,547	19.9	88.0
April	99	98.533	59,784	20.3	84.3
May	99	98.533	65,827	20.4	89.8
June	99	98.672	68,516	18.9	96.4
July	99	98.672	71,412	17.8	97.3
August	99	98.672	72,415	18.5	98.6
September	99	98.672	66,476	19.0	93.6
October	99	98.672	60,571	19.4	82.5
November	99	98.672	60,264	20.0	84.8
December	99	98.672	69,634	21.5	94.9
Total	99	98.672	797,178	19.6	92.3
2016 January	99	^E 98.672	72,525	20.6	^E 98.8
February	99	^E 98.672	65,638	20.9	^E 95.6
March	99	^E 98.672	66,149	21.7	^E 90.1
April	99	^E 98.672	62,365	21.3	^E 87.8
May	99	^E 98.672	66,576	21.0	^E 90.7
June	99	^E 99.794	67,175	18.2	^E 94.5
July	100	^E 99.794	70,349	17.1	^E 94.8
August	100	^E 99.794	71,526	17.4	^E 96.3
September	100	^E 99.794	65,448	18.6	^E 91.1
October	99	^E 99.316	60,733	19.4	^E 81.9
November	99	^E 99.316	65,179	21.9	^E 91.1
December	99	^E 99.316	71,662	20.8	^E 97.0
Total	99	^E 99.316	805,327	19.7	^E 92.5
2017 January	99	^E 99.316	73,121	21.4	^E 99.0
February	99	^E 99.328	64,053	22.2	^E 96.0
March	99	^E 99.331	65,093	20.5	^E 88.1
April	99	^E 99.467	56,743	19.3	^E 79.2
May	99	^E 99.455	61,309	19.1	^E 82.9
June	99	^E 99.370	67,011	18.8	^E 93.7
July	99	^E 99.491	71,314	17.8	^E 96.3
August	99	^E 99.582	72,384	19.0	^E 97.7
8-Month Total	99	^E 99.582	531,029	19.7	^E 91.6
2016 8-Month Total	100	^E 99.794	542,304	19.6	^E 93.6
2015 8-Month Total	99	98.672	540,233	19.4	94.0

^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.