

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	
1973 Total	42	22,683	83,479	4.5	53.5
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
1996 Total	109	100,784	674,729	19.6	76.2
1997 Total	107	99,716	628,644	18.0	71.1
1998 Total	104	97,070	673,702	18.6	78.2
1999 Total	104	97,411	728,254	19.7	85.3
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 January	104	100.334	71,912	21.9	96.3
February	104	100.334	62,616	20.4	92.9
March	104	100.334	63,721	20.0	85.4
April	104	100.334	57,567	19.3	79.7
May	104	100.334	62,776	19.0	84.1
June	104	100.334	68,391	18.8	94.7
July	104	100.334	72,186	17.6	96.7
August	104	100.334	72,016	17.7	96.5
September	104	100.334	66,642	20.1	92.3
October	104	100.334	57,509	17.9	77.0
November	104	100.334	61,392	19.9	85.0
December	104	100.334	70,490	21.0	94.4
Total	104	100.334	787,219	19.4	89.6
2007 January	104	100.635	74,006	21.0	98.8
February	104	100.635	65,225	20.1	96.4
March	104	100.635	64,305	20.0	85.9
April	104	100.635	57,301	18.8	79.1
May	104	100.635	65,025	19.7	86.8
June	104	100.635	68,923	19.0	95.1
July	104	100.635	72,729	18.5	97.1
August	104	100.635	72,751	17.2	97.2
September	104	100.635	67,582	19.0	93.3
October	104	100.635	61,690	18.5	82.4
November	104	100.635	64,969	20.7	89.7
December	104	100.635	71,983	20.8	96.1
Total	104	100.635	806,487	19.4	91.5
2008 January	104	100.635	70,686	19.5	94.4
February	104	100.635	64,936	19.9	92.7
March	104	100.635	64,683	19.9	86.4
April	104	100.635	57,281	18.9	79.1
May	104	100.635	64,794	19.9	86.5
June	104	100.635	70,268	18.8	97.0
July	104	100.635	74,266	18.5	99.2
August	104	100.635	72,573	18.8	96.9
September	104	100.635	67,003	19.9	92.5
9-Month Total	104	100.635	606,491	19.3	91.6
2007 9-Month Total	104	100.635	607,846	19.2	92.2
2006 9-Month Total	104	100.334	597,827	19.3	90.9

^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. For additional information on nuclear generating units, see *Annual Energy Review 2007*, June 2008, Table 9.1, <http://www.eia.doe.gov/emeu/aer/nuclear.html>.

^b At end of period.

^c For the definition of "Net Summer Capacity," see Note 2, "Nuclear Capacity," at end of section.

^d For an explanation of the method of calculating the capacity factor, see Note

2, "Nuclear Capacity," at end of section.

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.doe.gov/emeu/mer/nuclear.html> for all available data beginning in 1973.

Sources: See end of section.