

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 Year	42	22.683	83,479	4.5	53.5
1974 Year	55	31.867	113,976	6.1	47.8
1975 Year	57	37.267	172,505	9.0	55.9
1976 Year	63	43.822	191,104	9.4	54.7
1977 Year	67	46.303	250,883	11.8	63.3
1978 Year	70	50.824	276,403	12.5	64.5
1979 Year	69	49.747	255,155	11.3	58.4
1980 Year	71	51.810	251,116	11.0	56.3
1981 Year	75	56.042	272,674	11.9	58.2
1982 Year	78	60.035	282,773	12.6	56.6
1983 Year	81	63.009	293,677	12.7	54.4
1984 Year	87	69.652	327,634	13.5	56.3
1985 Year	96	79.397	383,691	15.5	58.0
1986 Year	101	85.241	414,038	16.6	56.9
1987 Year	107	93.583	455,270	17.7	57.4
1988 Year	109	94.695	526,973	19.5	63.5
1989 Year	111	98.161	529,355	17.8	62.2
1990 Year	112	99.624	576,862	19.0	66.0
1991 Year	111	99.589	612,565	19.9	70.2
1992 Year	109	98.985	618,776	20.1	70.9
1993 Year	110	99.041	610,291	19.1	70.5
1994 Year	109	99.148	640,440	19.7	73.8
1995 Year	109	99.515	673,402	20.1	77.4
1996 Year	109	100.784	674,729	19.6	76.2
1997 Year	107	99.716	628,644	18.0	71.1
1998 Year	104	97.070	673,702	18.6	78.2
1999 Year	104	97.411	728,254	19.7	85.3
2000 Year	104	97.860	753,893	19.8	88.1
2001 Year	104	98.159	768,826	20.6	89.4
2002 January	104	98.657	70,926	22.2	96.6
February	104	98.657	61,658	21.9	93.0
March	104	98.657	63,041	20.8	85.9
April	104	98.657	58,437	20.2	82.3
May	104	98.657	63,032	20.5	85.9
June	104	98.657	66,372	19.5	93.4
July	104	98.657	70,421	18.5	95.9
August	104	98.657	70,778	18.9	96.4
September	104	98.657	64,481	19.5	90.8
October	104	98.657	60,493	19.7	82.4
November	104	98.657	61,520	20.8	86.6
December	104	98.657	68,905	21.2	93.9
Year	104	98.657	780,064	20.2	90.3
2003 January	104	98.794	69,211	20.5	94.2
February	104	98.794	60,942	20.5	91.8
March	104	98.794	59,933	19.8	81.5
April	104	98.794	56,776	20.1	79.8
May	104	98.794	62,194	20.4	84.6
June	104	98.794	64,181	19.8	90.2
July	104	98.794	69,653	18.7	94.8
August	104	98.794	69,024	18.3	93.9
September	104	98.794	63,584	20.1	89.4
October	104	98.794	60,016	19.7	81.7
November	104	98.794	59,600	20.0	83.8
December	104	98.794	68,612	20.7	93.3
Year	104	98.794	763,725	19.8	88.2
2004 January	104	98.794	70,789	20.6	96.3
February	104	98.794	64,103	20.5	93.2
March	104	98.794	63,285	20.7	86.1
April	104	98.794	58,635	20.4	82.4
May	104	98.794	64,917	20.0	88.3
June	104	98.794	67,787	R 19.9	95.3
July	104	98.794	71,975	19.4	97.9
7 Months	104	98.794	461,493	20.2	91.4
2003 7 Months	104	98.794	442,889	19.9	88.1
2002 7 Months	104	98.657	453,887	20.4	90.4

^a Total of nuclear generating units holding full-power licenses, or equivalent permission to operate, at the end of the period—see Note 1 at end of section. Although Browns Ferry 1 was shut down in 1985, the unit has remained fully licensed and thus has continued to be counted as operable during the shutdown; in May 2002, the Tennessee Valley Authority announced its intention to have the unit resume operation in 2007—see Note 1(a) at end of section. For additional information on nuclear generating units, see *Annual Energy Review 2003*, September 2004, Table 9.1.

^b At end of period.

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

^d For an explanation of the method of calculating the capacity factor, see Note 2 at end of section.

R=Revised.

Notes: • See Note 1 at end of section for discussion of reactor unit coverage. • 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: <http://www.eia.doe.gov/emeu/mer/nuclear.html>.

Sources: See end of section.