

**Table 8.1 Nuclear Energy Overview**

	Total Operable Units <sup>a,b</sup>	Net Summer Capacity of Operable Units <sup>b,c</sup>	Nuclear Electricity Net Generation	Nuclear Share of Electricity Net Generation	Capacity Factor <sup>d</sup>
	Number	Million Kilowatts	Million Kilowatthours	Percent	
<b>1973 Total</b> .....	<b>42</b>	<b>22.683</b>	<b>83,479</b>	<b>4.5</b>	<b>53.5</b>
<b>1975 Total</b> .....	<b>57</b>	<b>37.267</b>	<b>172,505</b>	<b>9.0</b>	<b>55.9</b>
<b>1980 Total</b> .....	<b>71</b>	<b>51.810</b>	<b>251,116</b>	<b>11.0</b>	<b>56.3</b>
<b>1985 Total</b> .....	<b>96</b>	<b>79.397</b>	<b>383,691</b>	<b>15.5</b>	<b>58.0</b>
<b>1990 Total</b> .....	<b>112</b>	<b>99.624</b>	<b>576,862</b>	<b>19.0</b>	<b>66.0</b>
<b>1995 Total</b> .....	<b>109</b>	<b>99.515</b>	<b>673,402</b>	<b>20.1</b>	<b>77.4</b>
<b>1996 Total</b> .....	<b>109</b>	<b>100.784</b>	<b>674,729</b>	<b>19.6</b>	<b>76.2</b>
<b>1997 Total</b> .....	<b>107</b>	<b>99.716</b>	<b>628,644</b>	<b>18.0</b>	<b>71.1</b>
<b>1998 Total</b> .....	<b>104</b>	<b>97.070</b>	<b>673,702</b>	<b>18.6</b>	<b>78.2</b>
<b>1999 Total</b> .....	<b>104</b>	<b>97.411</b>	<b>728,254</b>	<b>19.7</b>	<b>85.3</b>
<b>2000 Total</b> .....	<b>104</b>	<b>97.860</b>	<b>753,893</b>	<b>19.8</b>	<b>88.1</b>
<b>2001 Total</b> .....	<b>104</b>	<b>98.159</b>	<b>768,826</b>	<b>20.6</b>	<b>89.4</b>
<b>2002 Total</b> .....	<b>104</b>	<b>98.657</b>	<b>780,064</b>	<b>20.2</b>	<b>90.3</b>
<b>2003 Total</b> .....	<b>104</b>	<b>99.209</b>	<b>763,733</b>	<b>19.7</b>	<b>87.9</b>
<b>2004 Total</b> .....	<b>104</b>	<b>99.628</b>	<b>788,528</b>	<b>19.9</b>	<b>90.1</b>
<b>2005 Total</b> .....	<b>104</b>	<b>99.988</b>	<b>781,986</b>	<b>19.3</b>	<b>89.3</b>
<b>2006</b> 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
<b>Total</b> .....	<b>104</b>	<b>100.334</b>	<b>787,219</b>	<b>19.4</b>	<b>89.6</b>
<b>2007</b> 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
<b>Total</b> .....	<b>104</b>	<b>100.635</b>	<b>806,487</b>	<b>19.4</b>	<b>91.5</b>
<b>2008</b> January .....	104	100.635	70,686	19.5	94.4
February .....	104	100.635	64,936	19.9	92.7
March .....	104	100.635	R 64,683	R 19.9	R 86.4
April .....	104	E 100.635	F 56,818	RF 18.6	E 78.4
May .....	104	E 100.635	F 64,215	F 19.3	E 85.8
<b>5-Month Total</b> .....	<b>104</b>	<b>E 100.635</b>	<b>E 321,338</b>	<b>E 19.4</b>	<b>E 87.7</b>
<b>2007 5-Month Total</b> .....	<b>104</b>	<b>100.635</b>	<b>325,862</b>	<b>20.0</b>	<b>89.6</b>
<b>2006 5-Month Total</b> .....	<b>104</b>	<b>100.334</b>	<b>318,591</b>	<b>20.1</b>	<b>87.6</b>

<sup>a</sup> 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 remained fully licensed and continued to be counted as operable during the shutdown; in May 2007, the unit was restarted—see Note 1(a) 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>.

<sup>b</sup> At end of period.

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

<sup>d</sup> For an explanation of the method of calculating the capacity factor, see Note 2

at end of section.

R=Revised. E=Estimate. F=Forecast.

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: See <http://www.eia.doe.gov/emeu/mer/nuclear.html> for all available data beginning in 1973.

Sources: See end of section.

Electricity statistics are undergoing an upgrade to incorporate data from the new survey Form EIA-923, "Power Plant Operations Report." Until the conversion is completed, forecast values derived from EIA's Short-Term Integrated Forecasting System are shown for net generation statistics.