

**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 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	100.266	74,006	20.9	99.2
February .....	104	100.266	65,225	20.2	96.8
March .....	104	100.266	64,305	20.1	86.2
April .....	104	100.266	57,301	18.9	79.4
May .....	104	100.266	65,025	19.7	87.2
June .....	104	100.266	68,923	19.0	95.5
July .....	104	100.266	72,739	18.5	97.5
August .....	104	100.266	72,751	17.2	97.5
September .....	104	100.266	67,579	19.0	93.6
October .....	104	100.266	61,690	18.5	82.7
November .....	104	100.266	64,899	20.7	89.9
December .....	104	100.266	71,983	20.8	96.5
<b>Total</b> .....	<b>104</b>	<b>100.266</b>	<b>806,425</b>	<b>19.4</b>	<b>91.8</b>
<b>2008</b>					
January .....	104	100.266	70,736	19.5	94.8
February .....	104	100.266	65,130	20.1	93.3
March .....	104	100.266	64,716	20.0	86.8
April .....	104	100.266	57,333	18.8	79.4
May .....	104	100.266	64,826	20.0	86.9
June .....	104	100.266	70,319	18.9	97.4
July .....	104	100.266	74,318	18.5	99.6
August .....	104	100.266	72,617	18.7	97.3
September .....	104	100.266	67,054	19.9	92.9
October .....	104	100.266	62,793	19.7	84.2
November .....	104	100.266	63,408	20.5	87.8
December .....	104	100.266	72,931	21.3	97.8
<b>Total</b> .....	<b>104</b>	<b>100.266</b>	<b>806,182</b>	<b>19.6</b>	<b>91.5</b>
<b>2009</b>					
January .....	104	100.266	73,479	20.8	98.5
February .....	104	100.266	64,227	21.4	95.3
March .....	104	100.266	66,920	21.6	89.7
April .....	104	100.266	59,129	20.5	81.9
May .....	104	100.266	65,229	20.9	87.4
June .....	104	100.266	69,435	20.0	96.2
July .....	104	100.266	72,949	19.6	97.8
<b>7-Month Total</b> .....	<b>104</b>	<b>100.266</b>	<b>471,368</b>	<b>20.6</b>	<b>92.4</b>
<b>2008 7-Month Total</b> .....	<b>104</b>	<b>100.266</b>	<b>467,379</b>	<b>19.4</b>	<b>91.2</b>
<b>2007 7-Month Total</b> .....	<b>104</b>	<b>100.266</b>	<b>467,524</b>	<b>19.6</b>	<b>91.6</b>

<sup>a</sup> 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 2008*, June 2009, 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, "Nuclear Capacity," at end of section.

<sup>d</sup> 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.