

**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 Total</b> .....	<b>104</b>	<b>100.266</b>	<b>806,425</b>	<b>19.4</b>	<b>91.8</b>
<b>2008 Total</b> .....	<b>104</b>	<b>100.755</b>	<b>806,208</b>	<b>19.6</b>	<b>91.1</b>
<b>2009 Total</b> .....	<b>104</b>	<b>101.004</b>	<b>798,855</b>	<b>20.2</b>	<b>90.3</b>
<b>2010 January</b> .....	104	<sup>e</sup> E 101.002	72,569	20.1	<sup>E</sup> 96.6
February .....	104	<sup>E</sup> 101.000	65,245	20.4	<sup>E</sup> 96.1
March .....	104	<sup>E</sup> 100.998	64,635	20.7	<sup>E</sup> 86.0
April .....	104	<sup>E</sup> 100.996	57,611	20.0	<sup>E</sup> 79.2
May .....	104	<sup>E</sup> 101.063	66,658	20.3	<sup>E</sup> 88.7
June .....	104	<sup>E</sup> 101.094	68,301	18.2	<sup>E</sup> 93.8
July .....	104	<sup>E</sup> 101.092	71,913	17.6	<sup>E</sup> 95.6
August .....	104	<sup>E</sup> 101.090	71,574	17.5	<sup>E</sup> 95.2
September .....	104	<sup>E</sup> 101.088	69,371	20.0	<sup>E</sup> 95.3
October .....	104	<sup>E</sup> 101.104	62,751	20.4	<sup>E</sup> 83.4
November .....	104	<sup>E</sup> 101.129	62,655	20.5	<sup>E</sup> 86.0
December .....	104	101.167	73,683	20.3	97.9
<b>Total</b> .....	<b>104</b>	<b>101.167</b>	<b>806,968</b>	<b>19.6</b>	<b>91.1</b>
<b>2011 January</b> .....	104	<sup>E</sup> 101.167	72,743	20.0	<sup>E</sup> 96.6
February .....	104	<sup>E</sup> 101.167	64,789	20.7	<sup>E</sup> 95.3
March .....	104	<sup>E</sup> 101.167	65,662	20.6	<sup>E</sup> 87.2
April .....	104	<sup>E</sup> 101.167	54,547	18.0	<sup>E</sup> 74.9
May .....	104	<sup>E</sup> 101.167	57,017	17.6	<sup>E</sup> 75.8
June .....	104	<sup>E</sup> 101.281	65,270	17.7	<sup>E</sup> 89.5
July .....	104	<sup>E</sup> 101.281	72,345	17.2	<sup>E</sup> 96.0
August .....	104	<sup>E</sup> 101.351	71,339	17.6	<sup>E</sup> 94.6
September .....	104	<sup>E</sup> 101.351	66,849	19.8	<sup>E</sup> 91.6
October .....	104	<sup>E</sup> 101.351	63,354	20.5	<sup>E</sup> 84.0
November .....	104	<sup>E</sup> 101.351	64,474	21.2	<sup>E</sup> 88.4
December .....	104	<sup>P</sup> 101.423	71,837	21.4	<sup>P</sup> 95.2
<b>Total</b> .....	<b>104</b>	<sup>P</sup> <b>101.423</b>	<b>790,225</b>	<b>19.2</b>	<sup>P</sup> <b>89.1</b>
<b>2012 January</b> .....	104	<sup>E</sup> 101.423	72,382	21.2	<sup>E</sup> 95.9
February .....	104	<sup>E</sup> 101.423	63,850	20.6	<sup>E</sup> 90.5
March .....	104	<sup>E</sup> 101.423	61,730	19.9	<sup>E</sup> 81.8
April .....	104	<sup>E</sup> 101.423	55,871	18.9	<sup>E</sup> 76.5
May .....	104	<sup>E</sup> 101.446	62,081	18.4	<sup>E</sup> 82.3
<b>5-Month Total</b> .....	<b>104</b>	<sup>E</sup> <b>101.446</b>	<b>315,914</b>	<b>19.8</b>	<sup>E</sup> <b>85.4</b>
<b>2011 5-Month Total</b> .....	<b>104</b>	<sup>E</sup> <b>101.167</b>	<b>314,758</b>	<b>19.4</b>	<sup>E</sup> <b>85.9</b>
<b>2010 5-Month Total</b> .....	<b>104</b>	<sup>E</sup> <b>101.063</b>	<b>326,719</b>	<b>20.3</b>	<sup>E</sup> <b>89.3</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 2010*, October 2011, Table 9.1, <http://www.eia.gov/totalenergy/data/annual/#nuclear>.

<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.

<sup>e</sup> Beginning in 2010, monthly capacity values are estimated in two steps: 1) updates 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 distributed evenly across the 12 months.

P=Preliminary. E=Estimate.

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> for all available data beginning in 1973.

Sources: See end of section.