

**Table 906. Nuclear Power Plants—Number, Capacity, and Generation:  
1980 to 2008**

[51.8 represents 51,800,000 kW]

| Item   | 1980  | 1990  | 1995  | 2000  | 2001  | 2002  | 2003  | 2004  | 2005  | 2006  | 2007  | 2008  |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Operable generating units <sup>1, 2</sup> . . .            | 71    | 112   | 109   | 104   | 104   | 104   | 104   | 104   | 104   | 104   | 104   | 104   |
| Net summer capacity <sup>2, 3</sup><br>(mil. kW) . . . . . | 51.8  | 99.6  | 99.5  | 97.9  | 98.2  | 98.7  | 99.2  | 99.6  | 100.0 | 100.3 | 100.3 | 100.3 |
| Net generation (bil. kWh) . . . . .                        | 251.1 | 576.9 | 673.4 | 753.9 | 768.8 | 780.1 | 763.7 | 788.5 | 782.0 | 787.2 | 806.4 | 809.0 |
| Percent of total electricity net<br>generation . . . . .   | 11.0  | 19.0  | 20.1  | 19.8  | 20.6  | 20.2  | 19.7  | 19.9  | 19.3  | 19.4  | 19.4  | 19.7  |
| Capacity factor <sup>4</sup> (percent) . . . . .           | 56.3  | 66.0  | 77.4  | 88.1  | 89.4  | 90.3  | 87.9  | 90.1  | 89.3  | 89.6  | 91.8  | 91.9  |

<sup>1</sup> Total of nuclear generating units holding full-power licenses, or equivalent permission to operate, at the end of the year. 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. <sup>2</sup> As of year-end. <sup>3</sup> Net summer capacity is the peak steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary and other power plant, as demonstrated by test at the time of summer peak demand. <sup>4</sup> Weighted average of monthly capacity factors. Monthly factors are derived by dividing actual monthly generation by the maximum possible generation for the month (number of hours in the month multiplied by the net summer capacity at the end of the month).

Source: U.S. Energy Information Administration, "Monthly Energy Review," March 2009; <<http://www.eia.doe.gov/emeu/mer/nuclear.html>> (accessed 2 April 2009).