

Table 2.5. Planned Capacity Additions from New Generators, by Energy Source, 2008-2012
(Count, Megawatts)

Energy Source	Number of Generators	Generator Nameplate Capacity	Net Summer Capacity	Net Winter Capacity
2008				
U.S. Total	435	21,226	19,693	20,650
Coal ¹	6	1,131	1,037	1,042
Petroleum ²	23	90	82	89
Natural Gas	103	9,780	8,360	9,299
Other Gases ³	--	--	--	--
Nuclear	--	--	--	--
Hydroelectric Conventional ⁴	8	18	17	16
Wind	112	9,821	9,840	9,840
Solar Thermal and Photovoltaic	41	23	22	22
Wood and Wood Derived Fuels ⁵	1	32	30	30
Geothermal	8	138	118	121
Other Biomass ⁶	132	173	166	170
Pumped Storage	--	--	--	--
Other ⁷	1	22	21	21
2009				
U.S. Total	199	23,475	21,278	22,521
Coal ¹	11	6,082	5,681	5,717
Petroleum ²	10	1,045	971	983
Natural Gas	96	12,334	10,592	11,765
Other Gases ³	--	--	--	--
Nuclear	--	--	--	--
Hydroelectric Conventional ⁴	5	6	6	6
Wind	48	3,661	3,716	3,716
Solar Thermal and Photovoltaic	14	127	117	123
Wood and Wood Derived Fuels ⁵	3	60	56	57
Geothermal	4	30	28	28
Other Biomass ⁶	8	129	112	128
Pumped Storage	--	--	--	--
Other ⁷	--	--	--	--
2010⁴				
U.S. Total	116	15,484	14,043	14,826
Coal ¹	11	4,996	4,676	4,696
Petroleum ²	5	55	54	55
Natural Gas	79	8,911	7,803	8,563
Other Gases ³	--	--	--	--
Nuclear	--	--	--	--
Hydroelectric Conventional ⁴	4	6	6	6
Wind	8	1,045	1,045	1,045
Solar Thermal and Photovoltaic	3	315	315	315
Wood and Wood Derived Fuels ⁵	2	68	63	64
Geothermal	3	87	80	81
Other Biomass ⁶	1	1	1	1
Pumped Storage	--	--	--	--
Other ⁷	--	--	--	--
2011				
U.S. Total	57	13,762	12,258	12,923
Coal ¹	9	4,514	4,146	4,199
Petroleum ²	2	720	619	677
Natural Gas	31	6,919	5,904	6,462
Other Gases ³	--	--	--	--
Nuclear	--	--	--	--
Hydroelectric Conventional ⁴	4	204	194	188
Wind	1	90	100	100
Solar Thermal and Photovoltaic	2	1,050	1,050	1,050
Wood and Wood Derived Fuels ⁵	1	14	13	13
Geothermal	3	128	119	120
Other Biomass ⁶	4	122	113	115
Pumped Storage	--	--	--	--
Other ⁷	--	--	--	--
2012				
U.S. Total	72	19,049	16,935	17,935
Coal ¹	13	6,624	6,067	6,193
Petroleum ²	--	--	--	--
Natural Gas	51	10,156	8,717	9,573
Other Gases ³	--	--	--	--
Nuclear	1	1,270	1,181	1,194
Hydroelectric Conventional ⁴	1	2	2	2
Wind	--	--	--	--
Solar Thermal and Photovoltaic	3	880	860	863
Wood and Wood Derived Fuels ⁵	1	114	106	107
Geothermal	--	--	--	--
Other Biomass ⁶	2	2	2	2
Pumped Storage	--	--	--	--
Other ⁷	--	--	--	--

¹ Anthracite, bituminous coal, subbituminous coal, lignite, waste coal, and synthetic coal.

² Distillate fuel oil (all diesel and No. 1, No. 2, and No. 4 fuel oils), residual fuel oil (No. 5 and No. 6 fuel oils and bunker C fuel oil), jet fuel, kerosene, petroleum coke (converted to liquid petroleum, see Technical Notes for conversion methodology), and waste oil.

³ Blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

⁴ Conventional hydroelectric power excluding pumped storage facilities; includes ocean power technology (wave energy).

⁵ Wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.

⁶ Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).

⁷ Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tire-derived fuels and miscellaneous technologies.

Notes: • Projected data are updated annually, so revision superscript is not used. • Capacity by energy source is based on the capacity associated with the energy source reported as the most predominant (primary) one, where more than one energy source is associated with a generator. These data reflect plans as of December 31, 2007. • Totals may not equal sum of components because of independent rounding. • In some reporting of capacity data, such as for wind, solar and wave energy sites, the capacity for multiple generators is reported in a single generator record and is presented as a single generator in the count of number of generators.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."