

9. Electricity Generating Capacity
 (gigawatts)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
Net Summer Capacity 1/																												
Electric Power Sector 2/																												
Power Only 3/																												
Coal 4/	290.8	277.7	226.2	220.9	217.3	209.9	208.4	202.2	200.2	199.8	193.9	189.3	186.7	185.8	183.4	180.0	177.0	175.3	173.1	172.5	172.2	172.2	171.1	170.4	170.4	170.4	169.5	-2.0%
Oil and Natural Gas Steam 4, 5/	91.9	91.0	95.4	96.5	95.0	94.7	89.9	84.4	79.8	72.5	67.8	65.6	62.7	61.5	56.7	55.1	54.0	54.0	54.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	-2.2%
Combined Cycle	198.1	202.3	210.9	221.3	225.6	222.5	220.6	218.1	214.3	216.2	224.6	231.5	240.5	246.9	254.9	262.7	267.7	271.6	275.7	279.7	284.3	287.9	295.0	298.7	306.6	313.8	318.7	1.8%
Combustion Turbine/Diesel	138.7	138.3	140.2	143.9	144.7	142.5	140.1	139.0	138.5	138.2	138.0	137.4	136.8	136.7	135.3	135.0	134.2	134.0	133.7	134.9	135.8	136.8	138.5	139.8	140.5	141.3	141.8	0.1%
Nuclear Power 6/	99.1	99.8	99.8	99.0	97.0	97.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	0.0%
Pumped Storage	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	0.0%
Fuel Cells	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0%
Renewable Sources 7/	162.1	176.2	193.2	200.4	204.9	220.4	237.7	267.0	279.4	285.2	285.9	287.3	288.2	291.7	295.8	299.2	304.3	313.6	326.0	333.6	342.1	356.1	358.2	375.7	378.7	386.1	398.4	3.3%
Distributed Generation (Natural Gas) 8/	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.3	2.6	2.9	--
Total	1,003.4	1,007.8	988.3	1,004.9	1,007.3	1,010.3	1,018.7	1,032.7	1,034.2	1,034.0	1,032.3	1,033.4	1,037.3	1,045.1	1,048.7	1,054.7	1,060.0	1,071.3	1,085.5	1,096.3	1,110.1	1,128.9	1,138.9	1,160.9	1,172.7	1,188.3	1,205.3	0.7%
Combined Heat and Power 9/																												
Coal	3.8	3.7	3.6	3.6	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	-0.4%
Oil and Natural Gas Steam 5/	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0%
Combined Cycle	25.1	25.0	25.1	26.8	26.8	26.8	26.8	26.8	26.8	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	0.3%
Combustion Turbine/Diesel	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0%
Renewable Sources 7/	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0%
Total	33.1	32.9	33.0	34.7	34.4	34.4	34.4	34.4	34.4	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	0.2%
Cumulative Planned Additions 10/																												
Coal	--	--	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	--
Oil and Natural Gas Steam 5/	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Combined Cycle	--	--	8.6	20.9	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	--
Combustion Turbine/Diesel	--	--	2.1	4.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	--
Nuclear Power	--	--	0.0	0.0	0.0	2.2	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	--
Pumped Storage	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Fuel Cells	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Renewable Sources 7/	--	--	17.1	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	19.7	--
Distributed Generation 8/	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Total	--	--	28.1	45.2	46.4	48.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	--
Cumulative Unplanned Additions 10/																												
Coal	--	--	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	--
Oil and Natural Gas Steam 5/	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Combined Cycle	--	--	0.0	0.0	3.9	4.4	5.2	5.9	6.2	8.1	17.4	26.0	35.8	42.2	50.4	58.2	63.4	67.3	71.5	76.4	81.5	85.1	92.2	96.2	104.4	111.6	117.2	--
Combustion Turbine/Diesel	--	--	0.0	1.5	1.9	2.0	2.3	2.3	2.3	2.4	2.4	2.4	2.4	2.5	2.7	2.9	3.0	3.2	3.3	4.5	6.0	7.0	8.7	10.1	11.0	13.0	14.5	--
Nuclear Power	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Pumped Storage	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Fuel Cells	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	--
Renewable Sources 7/	--	--	0.0	4.8	9.4	24.9	42.3	71.6	84.0	89.8	90.5	91.8	92.8	96.3	100.4	103.8	108.9	118.2	130.6	138.1	146.7	160.7	162.8	180.4	183.3	190.7	203.1	--
Distributed Generation 8/	--	--	0.0	0.2	0.2	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.3	2.6	2.9	--
Total	--	--	0.0	6.7	15.6	31.8	50.3	80.3	93.1	100.9	110.9	121.0	131.8	141.9	154.6	166.1	176.6	190.0	206.9	220.7	236.1	254.8	265.9	289.0	301.3	318.1	337.8	--
Cumulative Electric Power Sector Additions 10	--	--	28.1	51.9	61.9	80.4	101.1	131.1	143.9	151.7	161.7	171.8	182.6	192.7	205.4	216.9	227.4	240.8	257.6	271.5	286.9	305.6	316.7	339.8	352.1	368.9	388.6	--
Cumulative Retirements 11/																												
Coal	--	--	44.7	48.6	51.9	60.1	61.6	67.6	69.6	69.6	75.6	79.7	82.4	83.3	85.7	89.1	92.1	93.8	96.0	96.5	96.9	96.9	98.0	98.6	98.6	99.6	--	
Oil and Natural Gas Steam 5/	--	--	1.0	1.6	3.5	4.8	9.7	15.4	19.9	27.6	32.3	34.9	37.8	38.9	43.8	45.3	46.4	46.4	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	--
Combined Cycle	--	--	0.0	0.0	0.2	3.8	6.5	9.7	13.8	13.9	14.8	16.5	17.3	17.3	17.5	17.5	17.7	17.7	17.9	18.7	19.2	19.2	19.2	19.5	19.8	19.8	20.5	--
Combustion Turbine/Diesel																												