Table 5. Key Results in the Reference, High Renewable Technology, and High Renewable Technology RPS Cases

Generation by Fuel (Billion Kilowatt-hours)	1999	2010			2020		
		Reference	High Renewable Technology	High Renewable Technology RPS	Reference	High Renewable Technology	High Renewable Technology RPS
Coal	1,887.1	2,264.4	2,262.0	2,242.8	2,472.2	2,443.7	2,312.1
Natural Gas	561.1	1,152.6	1,146.5	1,051.0	1,732.9	1,671.7	1,592.4
Nuclear	728.3	736.9	736.9	747.5	701.8	701.8	686.7
Oil	124.0	38.3	36.8	29.1	48.6	45.9	36.2
Hydro	310.3	301.1	301.1	301.1	300.0	300.0	300.0
Geothermal	15.3	20.2	24.0	37.9	34.7	56.5	59.0
MSW	21.2	31.1	31.1	38.5	34.3	34.3	39.7
Biomass Dedicated	37.0	47.8	51.6	52.9	60.2	72.0	71.9
Biomass Cofiring	0.5	11.1	11.4	13.8	4.1	4.0	84.9
Solar Thermal	0.9	1.0	1.0	1.0	1.1	1.1	1.1
Solar PV	0.0	0.3	0.3	0.3	0.7	0.7	0.7
Wind	4.2	19.4	23.4	113.1	24.1	87.1	214.5
Ocean[b]	--	--	--	--	--	--	--
Other	17.6	12.9	12.9	12.9	15.4	15.4	15.4
Total	3,707.4	4,637.0	4,638.9	4,642.0	5,430.1	5,434.0	5,414.6
Electricity Sales (Billion Kilowatt-hours)	3,324	4,170	4,169	4,169	4,916	4,912	4,903
% S. 1766 Qualifying Renewable	NA	1.2%	1.6%	5.0%	1.7%	4.1%	10.0%
Capacity by Technology (Gigawatts)							
Coal	313.0	314.3	314.6	313.0	337.6	334.1	326.0
Oil and Gas	256.0	435.6	433.8	434.7	578.5	571.4	565.0
Nuclear	97.5	94.3	94.3	96.3	88.0	88.0	86.5
Pumped Storage	19.2	19.6	19.6	19.6	19.6	19.6	19.6
Hydroelectric	79.3	79.9	79.9	79.9	79.9	79.9	79.9
Geothermal	2.8	3.6	4.0	5.8	5.3	8.0	8.4
MSW	3.3	4.4	4.4	5.4	4.8	4.8	5.5
Biomass Dedicated	6.6	8.4	9.0	9.2	10.4	12.3	12.2
Solar Thermal	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Solar PV	0.0	0.1	0.1	0.1	0.3	0.3	0.3
Wind	2.3	7.6	8.7	33.9	9.1	25.3	62.8
Ocean[b]	--	--	--	--	--	--	--
Other	1.6	2.1	2.1	2.1	2.4	2.4	2.4
Total	781.8	970.3	970.9	1,000.3	1,136.4	1,146.5	1,169.1
Credit Price (Cents per Kilowatt-hour)	NA	NA	NA	1.5	NA	NA	2.0
Retail Electricity Price (Cents per Kilowatt-hour)	6.7	6.3	6.3	6.3	6.5	6.4	6.5
Emissions (Million Tons)[a]							
Nitrogen Oxides	5.7	4.0	4.0	4.0	4.2	4.1	4.1
Sulfur Dioxide	12.5	9.7	9.7	9.7	8.9	9.0	9.0
Carbon Dioxide	560.1	688.8	686.1	668.3	790.2	775.5	732.8
Fuel Prices							
Natural Gas Wellhead ($ per thousand cubic feet)	2.27	2.85	2.83	2.70	3.26	3.20	3.11
Coal Minemouth ($ per short ton)	17.01	14.11	13.77	13.61	12.79	12.70	12.67

[a]Emissions are in million short tons for sulfur dioxide and nitrogen dioxides and million metric tons carbon equivalent for carbon dioxide.
[b]Ocean technologies are not represented in the National Energy Modeling System.
Note: All prices are in 2000 dollars. NA: not applicable.
Sources: National Energy Modeling System Runs: Reference, aeo2002.d102001b; High Renewable Technology, hirenew02.102301a; High Renewable Technology RPS, .rps1766hr.d013002a.