## Analysis of a 10-Percent Renewable Portfolio Standard

Table 3. Key RPS Results, 2010, 2020, 2025

	0004	2010		2020		2025	
	2001	Reference	RPS	Reference	RPS	Reference	RPS
	0	/L.111 L.	a	I			
Coal	1904.1	ion (billion k 2293.0			2496.8	2802.8	2745 2
Petroleum	125.4		49.1	56.4			58.7
					1379.1		
Natural Gas	618.3	0-180-000	939.0	7. 1. 1. 1. 1. 1. 1.	(A. 1800) - 1503 (A.	(4)-40-40-40-40-40-40-40-40-40-40-40-40-40-	
Nuclear Power	768.8	200 270 201 701	782.6	D 45 TO 100	3.75.355.5		2.7 0.00
Conventional Hydropower	218.1	305.1	305.1	304.3			304.6
Geothermal	13.8		25.2	33.4	100.0000000		37.7
Municipal Solid Waste/Landfill Gas	22.0	31.4	34.6		370 7070 0	0.000	38.5
Dedicated Biomass	36.3	50.0	50.1	61.6	62.2	68.1	67.8
Biomass Cofiring	1.7	9.0	13.3	8.8	23.6	8.7	18.2
Solar Thermal	0.5	8.0	8.0	0.9		1.0	1.0
Solar Photovoltaic	0.0	1.1	1.1	2.0	2.0	2.9	2.9
Wind	5.8	22.9	36.7	29.2	140.7	32.0	140.7
Ocean <sup>1</sup>							
Other	6	13	13	17	17	20	19
Total	3721.3	4534.4	4534.7	5349.2	5342.6	5803.1	5797.8
Electricity Sales (billion kilowatt-hours)	3414		4102	4848			5234
% Qualifying Renewables	N/A	N/A	3.7	N/A	6.1		5.6
% Renewables Required	N/A	N/A	3.8	N/A	8.7	N/A	8.8
		apacity (giga	awatte)				
Coal Steam	310.5		314.8	348.6	341.1	380.8	374.9
Other Fossil Steam	135.0	79.0	79.5			72.2	72.8
Combined Cycle	65.7	181.3	180.2	265.9	2 5 5 5 5		299.8
Combustion	102.2		132.1	153.3	10-01-01-01-01-01-01-01-01-01-01-01-01-0		175.1
Turbine/Diesel	102.2	101.7	102.1	100.0	100.0	100.0	170.1
Nuclear Power	98.2	98.7	97.7	99.0	98.0	99.0	98.0
Pumped Storage	19.9	20.3	20.3	20.3	20.3	20.3	20.3
Conventional Hydropower	79.2	79.8	79.8	79.7	79.7	79.7	79.7
Geothermal	2.8	3.8	4.2	5.2	5.6	5.8	5.7
Municipal Solid Waste	3.5	4.4	4.8	4.7	5.3	4.7	5.3
Wood and Other Biomass	6.2	8.0	8.0	10.0	10.0	11.1	10.9
Solar Thermal	0.3	0.4	0.4	0.5	0.5		0.5
Solar Photovoltaic	0.0	0.5	0.5	0.9	0.9	1.3	1.3
Wind	4.3	8.2	12.1	10.0	40.9	10.8	40.9
Ocean <sup>1</sup>							_
Other	0.0	1.8	1.7	11.9	10.8	17.9	16.6
Total	827.8		936.1	1.100	1101.6		0.000.00

Table 3. Key RPS Results, 2010, 2020, 2025

	2001	2010		2020		2025					
		Reference	RPS	Reference	RPS	Reference	RPS				
Prices (2001 cents per kilowatt-hour)											
Credit Price	N/A	N/A	0.54	N/A	0.96	N/A	0.83				
Retail Electricity Price	7.3	6.4	6.4	6.7	6.7	6.7	6.8				
Electric Sector Emissions (Million Metric Tons)											
Nitrogen Oxides	4.75	3.90	3.90	4.02	3.99	4.08	4.04				
Sulfur Dioxide	10.63	9.69	9.73	8.95	8.95	8.95	8.95				
Carbon Dioxide <sup>2</sup>	611.57	697.42	694.33	802.47	779.69	867.76	847.67				
Fuel Prices											
Gas Wellhead Price(2001	4.12	3.39	3.38	3.70	3.71	3.95	3.89				
\$ per thousand cubic feet)											
Coal Minemouth Price (2001 \$ per ton)	17.59	15.06	15.03	14.34	14.28	14.39	14.42				

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