

Table 23. Renewable electricity capacity and generation in two cases, 2005, 2015, and 2025

Projection	2005		2015		2025	
	Reference case	PTC extension case	Reference case	PTC extension case	Reference case	PTC extension case
Electric power sector net summer capacity (gigawatts)						
Conventional hydropower	78.1	78.1	78.2	78.2	78.2	78.2
Geothermal	2.2	2.2	2.7	3.2	4.6	5.3
Municipal solid waste	3.4	3.4	3.6	3.7	3.7	3.7
Wood and other biomass	1.8	1.8	2.1	3.4	4.5	5.6
Solar thermal	0.4	0.4	0.5	0.5	0.5	0.5
Solar photovoltaic	0.1	0.1	0.2	0.2	0.4	0.4
Wind	8.2	8.2	9.3	63.0	11.3	63.0
Total renewable	94.1	94.1	96.5	152.1	103.1	156.6
Total electric power industry	945	945	967	1,014	1,145	1,186
Electric power sector generation (billion kilowatthours)						
Conventional hydropower	288.4	288.4	300.5	300.6	301.1	301.1
Geothermal	12.1	12.1	16.1	21.0	32.8	38.3
Municipal solid waste	24.3	24.3	26.1	26.5	26.5	26.9
Wood and other biomass	20.6	20.7	30.0	33.1	37.4	44.5
Dedicated plants	10.1	10.1	11.7	19.8	27.3	35.4
Co-firing	10.6	10.6	18.3	13.3	10.1	9.1
Solar thermal	0.7	0.7	0.9	0.9	1.0	1.0
Solar photovoltaic	0.1	0.1	0.5	0.5	1.0	1.0
Wind	23.6	23.6	27.3	205.7	34.5	205.7
Total renewable	369.8	369.8	401.4	588.3	434.2	618.5
Coal	2,054	2,054	2,305	2,275	2,890	2,802
Natural gas	699	699	1,172	1,054	1,403	1,331
Total net generation to the grid	3,890	3,890	4,676	4,708	5,522	5,545

AEO2005 National Energy Modeling System, runs AEO2005.D102004A and PTCEXT05.D102904A.