

Table 18. Wind net generation (all sectors), projected versus actual

Projected

(billion kilowatthours)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
AEO2007	28.92	46.21	47.06	47.7	48.3	48.8	49.3	49.8	50.3	50.8	50.9	51.1	51.4	51.4	51.4	51.4
AEO2008		38.17	49.97	56.9	74.2	79.4	81.1	83.5	85.3	87.3	88.7	91.0	92.3	94.3	101.4	102.7
AEO2009			53.10	78.6	80.6	81.1	84.2	84.2	84.5	85.3	89.4	89.5	89.5	89.6	93.3	98.1
AEO2010				72.7	110.1	141.5	177.2	196.5	197.1	198.0	198.5	198.5	198.6	198.6	198.9	198.9
AEO2011					91.8	110.2	143.0	143.2	143.7	144.5	144.8	144.8	144.8	144.8	145.2	145.2
AEO2012						116.6	131.8	151.2	152.9	153.9	154.3	154.3	154.4	154.4	154.4	154.9
AEO2013							136.9	160.6	162.0	162.9	163.2	163.2	163.2	163.2	164.7	166.3
AEO2014								164.8	167.5	199.1	218.4	218.5	218.5	218.5	218.5	218.5
AEO2015									178.4	192.9	219.6	228.6	230.7	231.3	231.5	231.9
AEO2016										189.6	216.4	234.3	254.5	307.1	367.6	433.8
AEO2017											224.9	242.7	261.1	271.9	318.3	379.0
AEO2018												249.9	261.2	289.7	350.9	384.2
AEO2019													273.4	289.6	322.0	355.6
AEO2020														296.3	337.0	370.0
AEO2021															342.9	402.7
AEO2022																377.7
Actual	26.6	34.4	55.4	73.9	94.7	120.2	140.8	167.8	181.7	190.7	227.0	254.3	272.7	295.9	337.9	379.8
Average absolute difference	2.3	7.7	5.3	12.3	19.9	31.0	37.0	45.8	49.3	47.9	66.2	82.1	88.7	97.5	117.8	135.5

Table 18. Wind net generation (all sectors), projected versus actual (continued)

Projected versus actual
(percentage difference)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
AEO2007	8.8	34.1	-15.0	-35.5	-49.0	-59.4	-65.0	-70.3	-72.3	-73.3	-77.6	-79.9	-81.2	-82.6	-84.8	-86.5
AEO2008		10.8	-9.7	-23.0	-21.6	-33.9	-42.4	-50.2	-53.1	-54.2	-60.9	-64.2	-66.2	-68.1	-70.0	-73.0
AEO2009			-4.1	6.4	-14.9	-32.5	-40.2	-49.8	-53.5	-55.3	-60.6	-64.8	-67.2	-69.7	-72.4	-74.2
AEO2010				-1.6	16.3	17.7	25.8	17.1	8.5	3.8	-12.5	-21.9	-27.2	-32.9	-41.1	-47.6
AEO2011					-3.1	-8.3	1.5	-14.7	-20.9	-24.2	-36.2	-43.0	-46.9	-51.0	-57.0	-61.8
AEO2012						-3.0	-6.4	-9.9	-15.8	-19.3	-32.0	-39.3	-43.4	-47.8	-54.3	-59.2
AEO2013							-2.8	-4.3	-10.8	-14.6	-28.1	-35.8	-40.1	-44.8	-51.3	-56.2
AEO2014								-1.8	-7.8	4.4	-3.8	-14.1	-19.9	-26.2	-35.3	-42.5
AEO2015									-1.8	1.1	-3.2	-10.1	-15.4	-21.8	-31.5	-38.9
AEO2016										-0.6	-4.7	-7.9	-6.7	3.8	8.8	14.2
AEO2017											-0.9	-4.6	-4.3	-8.1	-5.8	-0.2
AEO2018												-1.7	-4.2	-2.1	3.8	1.2
AEO2019													0.3	-2.1	-4.7	-6.4
AEO2020														0.1	-0.3	-2.6
AEO2021															1.5	6.0
AEO2022																-0.6
Average absolute percentage difference	8.8	22.5	9.6	16.6	21.0	25.8	26.3	27.3	27.2	25.1	29.1	32.3	32.5	33.0	34.8	35.7

Data source: Historical data are from the U.S. Energy Information Administration open data API (accessed April 2022), <http://www.eia.gov/opendata/>, series: TOTAL.WYETPUS.A ; projections: Annual Energy Outlook, Reference case projections from various editions

Notes: shading indicates overestimation (blue) or underestimation (green).