

**Table 19. Conventional hydroelectric power 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	283.0	280.9	287.7	294.1	300.7	305.9	305.9	306.0	306.0	306.0	306.9	307.0	307.0	307.0	307.0	307.1
AEO2008		261.8	271.2	286.1	292.7	299.5	299.5	300.4	300.4	300.5	300.5	300.5	301.2	301.2	301.2	301.3
AEO2009			262.2	260.1	270.5	279.6	284.9	289.2	293.4	297.8	298.1	298.7	298.7	298.7	298.7	299.5
AEO2010				260.5	270.8	279.8	284.1	291.3	295.5	299.9	299.9	299.9	299.9	300.0	300.0	300.0
AEO2011					243.5	261.8	270.4	277.8	288.0	296.7	304.1	304.1	304.1	304.6	304.7	305.2
AEO2012						314.2	273.5	285.0	290.1	297.2	299.5	299.7	300.3	300.6	302.3	302.6
AEO2013							281.3	271.6	277.3	282.5	290.4	289.9	290.1	290.2	290.4	290.7
AEO2014								266.4	272.9	278.8	284.0	289.6	289.0	289.0	289.0	290.4
AEO2015									256.4	268.6	271.8	279.8	291.7	292.3	292.3	292.3
AEO2016										246.8	256.3	272.8	282.0	294.3	294.1	294.1
AEO2017											263.9	265.1	286.0	306.9	310.2	310.3
AEO2018												296.2	266.3	281.8	296.4	296.4
AEO2019													283.3	277.7	294.0	310.0
AEO2020														288.3	292.3	292.7
AEO2021															283.2	281.5
AEO2022																259.7
<b>Actual</b>	289.2	247.5	254.8	273.4	260.2	319.4	276.2	268.6	259.4	249.1	267.8	300.3	292.5	287.9	285.3	260.2
Average absolute difference	6.3	23.8	18.9	14.9	22.1	29.2	11.9	17.9	28.0	38.9	23.7	10.2	8.9	9.6	12.1	35.7

**Table 19. Conventional hydroelectric power 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	-2.2	13.5	12.9	7.6	15.6	-4.2	10.8	13.9	18.0	22.9	14.6	2.2	4.9	6.6	7.6	18.0
AEO2008		5.8	6.4	4.6	12.5	-6.2	8.4	11.9	15.8	20.6	12.2	0.1	3.0	4.6	5.6	15.8
AEO2009			2.9	-4.9	4.0	-12.5	3.1	7.7	13.1	19.6	11.3	-0.5	2.1	3.8	4.7	15.1
AEO2010				-4.7	4.1	-12.4	2.8	8.5	13.9	20.4	12.0	-0.1	2.5	4.2	5.2	15.3
AEO2011					-6.4	-18.0	-2.1	3.4	11.0	19.1	13.5	1.3	4.0	5.8	6.8	17.3
AEO2012						-1.6	-1.0	6.1	11.8	19.3	11.8	-0.2	2.7	4.4	6.0	16.3
AEO2013							1.8	1.1	6.9	13.4	8.4	-3.5	-0.8	0.8	1.8	11.7
AEO2014								-0.8	5.2	11.9	6.0	-3.6	-1.2	0.4	1.3	11.6
AEO2015									-1.1	7.8	1.5	-6.8	-0.3	1.5	2.5	12.3
AEO2016										-0.9	-4.3	-9.2	-3.6	2.2	3.1	13.0
AEO2017											-1.5	-11.7	-2.2	6.6	8.8	19.2
AEO2018												-1.4	-9.0	-2.1	3.9	13.9
AEO2019													-3.2	-3.5	3.1	19.1
AEO2020														0.1	2.5	12.5
AEO2021															-0.7	8.2
AEO2022																-0.2
Average absolute percentage difference	2.2	9.6	7.4	5.5	8.5	9.1	4.3	6.7	10.8	15.6	8.8	3.4	3.0	3.3	4.2	13.7

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.HVETPUS.A ; projections: Annual Energy Outlook, Reference case projections from various editions

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