

Table 17.06-- ELECTRICITY GENERATION, BY SOURCE: 2002 TO 2019

[Millions of kWh generated]

Year	Total	Petroleum	Coal	Wind	Biomass
2002	11,663.070	9,466.990	1,545.797	1.614	296.543
2003	10,976.371	8,502.550	1,644.137	1.572	347.167
2004	11,410.403	8,944.696	1,603.751	7.495	328.832
2005	11,522.805	9,067.592	1,630.918	6.632	309.740
2006	11,559.174	9,054.474	1,548.595	79.674	325.692
2007	11,533.350	8,914.207	1,578.931	238.184	285.277
2008	11,376.385	8,669.934	1,647.592	240.023	302.423
2009	11,010.533	8,289.107	1,500.166	251.427	284.427
2010	10,836.036	8,087.337	1,545.513	261.120	283.474
2011	10,723.333	7,923.925	1,424.036	340.812	312.627
2012	10,469.269	7,482.760	1,537.340	378.234	280.976
2013	10,267.052	7,222.766	1,403.754	503.310	329.364
2014	10,204.158	6,925.919	1,511.184	578.617	334.030
2015 1/	10,119.500	7,023.150	1,337.412	612.772	320.941
2016	9,948.845	6,640.316	1,497.380	639.127	359.466
2017	9,812.968	6,633.596	1,375.724	532.055	292.762
2018	9,796.773	6,748.947	1,311.203	601.934	305.513
2019	9,749.998	6,864.169	1,301.946	529.310	291.542

Year	Geothermal	Hydro	Other gases 2/	Solar	Others
2002	72.761	95.068	40.816	-	143.481
2003	178.292	90.505	40.251	-	171.897
2004	213.288	93.901	47.908	-	170.532
2005	221.597	96.188	41.133	-	149.006
2006	212.276	120.087	42.757	-	175.619
2007	229.886	92.343	45.226	-	149.295
2008	234.333	84.343	38.572	-	159.146
2009	167.591	112.649	22.345	1.390	381.432
2010	200.595	70.423	21.915	1.770	363.880
2011	223.888	93.141	35.250	3.593	366.061
2012	260.997	114.581	47.036	4.608	362.736
2013	274.841	78.295	41.330	19.466	393.927
2014	253.841	94.083	62.204	39.262	405.019
2015 1/	230.340	121.170	50.155	54.397	369.163
2016	260.102	90.849	51.006	88.511	322.089
2017	322.592	66.075	52.022	1/ 175.019	363.123
2018	3/ 110.089	96.520	55.722	184.576	382.269
2019	(3/)	94.542	5.624	268.138	394.726

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Table 17.06-- ELECTRICITY GENERATION, BY SOURCE: 2002 TO 2019 -- Con.

1/ Revised from previous *Data Book*.

2/ Other gases include blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels.

3/ In May 2018, the Puna Geothermal Venture facility shut down due to a volcanic eruption and reopened in October 2020. Residual fuel was used during the closure period.

Source: U.S. Department of Energy, Energy Information Administration, State Energy Data System (SEDS) Detailed State Data 1990-2018 Net Generation by State by Type of Producer by Energy Source (EIA-906, EIA-920, and EIA-923) <<http://www.eia.gov/electricity/data/state/>> accessed June 27, 2020.