Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2022, Arizona

			Petroleum												
	Coal	Natural gas [a]	Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Motor gasoline [e]	Residual fuel oil	Other [f]	Total	Nuclear electric power	Hydro-electric power [g]	Wind	Fuel ethanol [h]	Biodiesel
Year	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatthours			Thousand barrels	
1960	10	136	2,787	724	4,721	12,363	125	1,901	22,622	0	2,990	0	NA	NA
1965	337	154	3,528	1,056	5,545	14,997	82	1,918	27,125	0	4,439	0	NA	NA
1970	406	193	4,899	1,304	6,644	21,542	105	4,615	39,108	0	6,154	0	NA	NA
1971	424	213	5,240	1,324	6,769	22,957	534	3,872	40,696	0	6,643	0	NA	NA
1972	362	228	7,577	1,425	6,960	25,557	1,602	4,523	47,645	0	6,784	0	NA	NA
1973	481	214	10,295	1,362	7,226	27,825	7,332	4,463	58,503	0	7,197	0	NA	NA
1974	2,231	192	9,533	1,477	7,229	26,717	8,192	5,149	58,299	0	7,400	0	NA	NA
1975	4,392	156	10,143	1,119	7,075	27,704	5,942	3,412	55,395	0	7,254	0	NA	NA
1976	6,651	171	10,106	915	6,670	28,935	5,658	3,304	55,589	0	7,579	0	NA	NA
1977	8,383	167	12,682	945	7,173	30,765	7,786	3,791	63,141	0	6,597	0	NA	NA
1978	7,456	175	14,384	1,141	7,417	32,431	4,959	4,260	64,593	0	7,021	0	NA	NA
1979	11,689	173	11,972	1,739	7,832	32,091	4,926	4,187	62,748	0	7,256	0	NA	NA
1980	11,559	166	10,769	1,589	7,967	30,589	1,339	3,097	55,350	0	9,836	0	NA	NA
1981	15,240	183	9,990	1,278	7,523	30,825	259	2,582	52,458	0	6,803	0	5	NA
1982	16,001	135	8,259	1,655	7,714	31,440	318	2,274	51,661	0	7,015	0	12	NA
1983	13,968	115	8,937	1,654	7,089	32,995	535	2,369	53,580	0	14,482	0	2	NA
1984	15,406	121	9,597	1,511	8,022	34,592	544	3,277	57,543	0	15,679	0	0	NA
1985	16,364	131	10,109	1,722	7,154	36,148	176	3,320	58,629	1,130	13,987	0	0	NA
1986	14,150	101	11,177	1,704	7,697	37,844	41	3,356	61,818	9,976	14,461	0	0	NA
1987	13,375	117	10,237	1,943	8,374	39,271	122	3,364	63,310	13,458	10,135	0	0	NA
1988	14,525	124	10,309	1,721	8,478	40,216	55	3,518	64,295	22,940	7,786	0	0	NA
1989	16,871	146	11,205	1,608	8,157	40,648	152	3,377	65,148	7,850	7,877	0	0	NA
1990	16,419	127	11,371	1,508	8,501	39,326	28	3,335	64,069	20,598	7,418	0	0	NA
1991	16,805	125	10,282	1,700	9,642	40,593	200	3,181	65,598	25,096	6,736	0	0	NA
1992	17,915	130	11,437	2,095	8,310	41,556	104	3,975	67,477	25,609	6,621	0	0	NA
1993	18,991	115	14,172	1,843	7,892	43,026	190	3,171	70,293	22,049	6,697	0	80	NA
1994	19,580	136	13,850	1,867	7,401	45,193	200	3,441	71,952	23,171	7,365	0	208	NA
1995	16,682	124	15,125	1,938	7,588	47,159	81	3,985	75,875	26,985	8,288	0	655	NA
1996	16,793	124	17,387	1,625	7,922	49,417	107	3,386	79,843	28,840	9,214	0	553	NA
1997	18,206	135	17,911	1,204	7,978	48,884	14	3,660	79,651	29,314	12,049	0	549	NA
1998	19,013	159	18,668	1,345	8,677	52,661	20	5,036	86,406	30,301	10,970	0	423	NA
1999	19,710	165	20,169	1,809	9,627	54,854	40	4,859	91,358	30,416	9,759	0	366	NA
2000	21,128	205	19,923	1,660	10,433	56,431	69	4,479	92,996	30,381	8,354	0	419	NA
2001	20,830	241	21,591	1,650	9,914	58,506	252	3,444	95,357	28,724	7,624	0	579	2
2002	19,955	251	19,928	1,509	10,344	61,230	29	4,395	97,436	30,862	7,427	0	330	4
2003	20,059	273	20,915	1,823	10,650	61,827	0	4,330	99,545	28,581	7,075	0	319	3
2004	20,799	350	22,509	1,575	8,256	65,248	40	5,599	103,228	28,113	6,973	0	307	6
2005	21,053	322	25,930	1,395	8,018	67,483	21	5,454	108,302	25,807	6,410	0	3,990	21
2006	21,247	358	26,839	1,567	7,721	69,307	18	4,998	110,449	24,012	6,793	0	4,223	61
2007	21,902	393	26,330	1,569	6,612	70,010	22	4,931	109,473	26,782	6,598	0	4,705	83
2008	23,285	399	26,034	2,524	6,763	65,760	0	4,309	105,390	29,250	7,286	0	5,691	71
2009	21,193	370	23,972	2,057	4,686	63,417	0	3,560	97,692	30,662	6,427	30	5,696	75
2010	23,620	331	24,956	2,074	12,762	63,127	0	4,054	106,972	31,200	6,622	135	5,725	61
2011	23,719	289	26,140	2,351	13,106	62,068	6	4,131	107,802	31,278	9,174	256	5,759	208
2012	21,879	332	25,253	1,706	12,830	61,513	0	3,675	104,977	31,934	6,717	532	5,594	12
2013	23,479	332	25,294	1,969	12,965	62,910	0	3,487	106,626	31,431	5,915	450	5,830	112
2014	23,132	307	24,789	2,058	13,205	63,340	0	3,566	106,958	32,321	6,118	468	6,214	334
2015	20,047	351	24,596	1,966	13,327	66,657	0	3,678	110,223	32,526	6,536	452	6,935	14
2016	16,814	361	25,850	2,256	13,287	68,984	0	R 3,881	R 114,258	32,377	7,168	542	7,124	489
2017	17,156	321	26,381	2,204	13,887	69,377	0	R 3,775	R 115,624	32,340	6,832	570	7,221	415
2018	17,094	385	26,537	2,423	13,435	70,764	0	R 3,885	R 117,043	31,097	6,982	530	7,304	415
2019	13,157	469	28,004	2,805	13,959	71,328	0	R 4,188	R 120,283	31,920	6,204	554	7,496	415
2020	8,551	500	28,043	2,585	9,816	63,610	0	R 3,905	R 107,958	31,552	6,424	644	6,747	415
2021	8,693	469	R 29,588	2,742	12,715	69,780	0	R 4,517	R 119,342	31,630	5,973	1,600	7,450	415
2022	8,412	454	29,912	2,846	13,158	69,692	0	4,572	120,181	31,943	5,298	1,564	7,458	415

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.
[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[g] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[h] Includes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Notes: · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Arizona

(trillion Btu)

Year	Fossil fuels										*Fossil fuels (as commingled)*		
			Petroleum										
	Coal	Natural gas excluding supplemental gaseous fuels [a]	Distillate fuel oil excluding biofuels [a]	HGL [b]	Jet fuel [c]	Motor gasoline excluding fuel ethanol [a]	Residual fuel oil	Other [d]	Total	Total	*Natural gas including supplemental gaseous fuels* [a]	*Distillate fuel oil including biofuels* [a]	*Motor gasoline including fuel ethanol* [a]
1960	0.2	140.3	16.2	2.8	25.3	64.9	0.8	11.3	121.3	261.8	*140.3*	*16.2*	*64.9*
1965	7.0	166.1	20.6	4.0	30.1	78.8	0.5	11.8	145.7	318.8	*166.1*	*20.6*	*78.8*
1970	8.6	204.4	28.5	5.0	36.4	113.2	0.7	29.6	213.3	426.3	*204.4*	*28.5*	*113.2*
1971	8.9	225.9	30.5	5.0	37.1	120.6	3.4	24.7	221.2	456.0	*225.9*	*30.5*	*120.6*
1972	7.5	241.4	44.1	5.4	38.2	134.3	10.1	29.0	261.1	510.0	*241.4*	*44.1*	*134.3*
1973	9.9	226.3	60.0	5.2	39.9	146.2	46.1	28.6	325.9	562.1	*226.3*	*60.0*	*146.2*
1974	48.4	205.0	55.5	5.5	39.8	140.3	51.5	33.0	325.8	579.1	*205.0*	*55.5*	*140.3*
1975	92.4	164.3	59.1	4.2	39.0	145.5	37.4	21.6	306.8	563.5	*164.3*	*59.1*	*145.5*
1976	140.0	180.2	58.9	3.4	36.8	152.0	35.6	20.7	307.4	627.5	*180.2*	*58.9*	*152.0*
1977	179.8	176.4	73.9	3.5	39.6	161.6	48.9	23.6	351.2	707.4	*176.4*	*73.9*	*161.6*
1978	160.0	186.4	83.8	4.2	41.0	170.4	31.2	26.8	357.4	703.7	*186.4*	*83.8*	*170.4*
1979	246.2	180.6	69.7	6.5	43.4	168.6	31.0	26.7	345.8	772.6	*180.6*	*69.7*	*168.6*
1980	245.0	174.0	62.7	5.9	43.9	160.7	8.4	19.6	301.3	720.2	*174.0*	*62.7*	*160.7*
1981	319.4	192.2	58.2	4.8	41.6	161.9	1.6	16.3	284.4	796.1	*192.2*	*58.2*	*161.9*
1982	336.2	142.3	48.1	6.1	42.6	165.2	2.0	14.5	278.5	757.0	*142.3*	*48.1*	*165.2*
1983	295.4	120.4	52.1	6.2	39.1	173.3	3.4	15.1	289.2	705.0	*120.4*	*52.1*	*173.3*
1984	324.9	126.8	55.9	5.6	44.2	181.7	3.4	21.1	311.9	763.6	*126.8*	*55.9*	*181.7*
1985	342.0	137.3	58.9	6.4	39.4	189.9	1.1	21.4	317.1	796.4	*137.3*	*58.9*	*189.9*
1986	295.9	105.1	65.1	6.4	42.6	198.8	0.3	21.5	334.6	735.6	*105.2*	*65.1*	*198.8*
1987	282.9	121.3	59.6	7.3	46.4	206.3	0.8	21.6	342.0	746.1	*121.4*	*59.6*	*206.3*
1988	309.0	128.6	60.1	6.4	47.0	211.3	0.3	22.7	347.7	785.3	*128.6*	*60.1*	*211.3*
1989	353.1	151.5	65.3	6.0	45.3	213.5	1.0	21.6	352.7	857.3	*151.5*	*65.3*	*213.5*
1990	343.4	130.8	66.2	5.6	47.3	206.6	0.2	21.4	347.2	821.4	*130.8*	*66.2*	*206.6*
1991	347.3	128.2	59.9	6.3	53.7	213.2	1.3	20.3	354.7	830.1	*128.2*	*59.9*	*213.2*
1992	369.7	133.8	66.6	7.7	46.4	218.3	0.7	25.6	365.2	868.8	*133.8*	*66.6*	*218.3*
1993	389.8	118.2	82.5	6.7	44.2	224.2	1.2	20.3	379.3	887.2	*118.2*	*82.5*	*224.5*
1994	402.4	139.7	80.6	6.9	41.9	234.9	1.3	22.1	387.7	929.8	*139.7*	*80.6*	*235.6*
1995	342.9	127.9	88.0	7.2	43.0	243.1	0.5	25.7	407.6	878.4	*127.9*	*88.0*	*245.4*
1996	342.8	125.3	101.2	6.0	44.9	255.6	0.7	21.7	430.0	898.1	*125.3*	*101.2*	*257.5*
1997	369.9	137.6	104.2	4.5	45.2	252.5	0.1	23.5	430.1	937.6	*137.6*	*104.2*	*254.4*
1998	386.8	161.1	108.6	5.1	49.2	272.5	0.1	32.5	468.1	1,016.0	*161.1*	*108.6*	*274.0*
1999	403.3	167.8	117.4	6.9	54.6	284.1	0.3	31.4	494.5	1,065.6	*167.8*	*117.4*	*285.4*
2000	432.8	208.1	115.9	6.3	59.2	292.0	0.4	28.8	502.7	1,143.6	*208.1*	*115.9*	*293.5*
2001	424.0	244.4	125.6	6.2	56.2	302.3	1.6	22.1	514.1	1,182.5	*244.4*	*125.6*	*304.3*
2002	406.5	255.2	116.0	5.8	58.6	317.2	0.2	28.4	526.2	1,187.9	*255.2*	*116.0*	*318.3*
2003	406.5	275.7	121.7	6.8	60.4	320.2	0.0	28.0	537.1	1,219.3	*275.7*	*121.7*	*321.3*
2004	425.4	356.3	131.0	5.9	46.8	338.0	0.3	36.5	558.4	1,340.0	*356.3*	*131.0*	*339.0*
2005	428.4	329.3	150.9	5.3	45.5	336.5	0.1	35.5	573.8	1,331.5	*329.3*	*150.9*	*350.4*
2006	432.0	365.2	155.7	5.9	43.8	344.7	0.1	32.4	582.6	1,379.8	*365.2*	*155.7*	*359.4*
2007	438.5	402.0	152.3	5.8	37.5	343.7	0.1	32.0	571.4	1,411.9	*402.0*	*152.3*	*360.0*
2008	458.7	410.0	150.5	9.5	38.3	316.0	0.0	27.8	542.2	1,410.9	*410.0*	*150.5*	*335.8*
2009	413.3	377.5	137.3	7.7	26.6	303.1	0.0	23.0	497.7	1,288.4	*377.5*	*138.5*	*322.8*
2010	457.9	336.2	143.3	8.0	72.4	300.0	0.0	26.1	549.7	1,343.8	*336.2*	*144.1*	*319.9*
2011	459.9	293.1	148.8	9.0	74.3	294.3	(s)	26.6	553.0	1,306.0	*293.1*	*150.8*	*314.2*
2012	420.6	339.0	143.5	6.6	72.7	292.0	0.0	23.7	538.5	1,298.1	*339.0*	*145.6*	*311.4*
2013	454.9	340.4	141.9	7.6	73.5	298.1	0.0	22.3	543.4	1,338.6	*340.4*	*145.8*	*318.3*
2014	447.8	315.9	139.2	7.9	74.9	298.9	0.0	22.7	543.6	1,307.3	*315.9*	*142.9*	*320.4*
2015	385.8	365.3	137.8	7.6	75.6	313.0	0.0	23.5	557.4	1,308.5	*365.3*	*141.7*	*337.1*
2016	323.9	373.9	143.4	8.7	75.3	324.0	0.0	R 24.9	576.2	1,274.0	*373.9*	*148.8*	*348.7*
2017	334.5	334.6	146.8	8.5	78.7	325.5	0.0	R 23.9	583.3	R 1,252.5	*334.6*	*151.9*	*350.6*
2018	331.5	400.5	148.0	9.3	76.2	332.2	0.0	24.6	R 590.3	1,322.3	*400.5*	*152.8*	*357.6*
2019	257.7	484.2	156.5	10.8	79.1	334.3	0.0	R 26.6	R 607.2	R 1,349.2	*484.2*	*161.3*	*360.3*
2020	156.8	513.5	156.2	9.9	55.7	297.9	0.0	R 24.8	R 544.5	R 1,214.8	*513.5*	*161.4*	*321.4*
2021	160.3	485.0	R 168.1	10.5	72.1	326.5	0.0	R 28.6	R 604.5	R 1,249.8	*485.0*	R *170.5*	*352.4*
2022	154.0	468.0	170.0	10.9	74.6	325.9	0.0	28.9	609.0	1,231.1	*468.0*	*172.4*	*351.9*

[a] Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable energy."

[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[c] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Arizona (continued)

(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity [k]	Electricity net imports [l]	Total [f]
		Hydro-electric power [e,f]	Biomass						Geo-thermal [f]	Solar [f,j]	Wind	Total [f]			
			Wood and waste [f,g]	Fuel ethanol [h]	Biodiesel	Renewable diesel	Losses and co-products [i]	Total [f]							
1960	0.0	R 10.2	4.0	NA	NA	NA	NA	4.0	0.0	NA	NA	R 14.2	R -2.6	-0.1	R 273.4
1965	0.0	R 15.1	3.7	NA	NA	NA	NA	3.7	0.0	NA	NA	R 18.8	R 25.3	-0.1	R 362.9
1970	0.0	R 21.0	4.3	NA	NA	NA	NA	4.3	0.0	NA	NA	R 25.3	R 51.4	-0.2	R 502.9
1971	0.0	R 22.7	4.5	NA	NA	NA	NA	4.5	0.0	NA	NA	R 27.2	R 51.6	-0.2	R 534.6
1972	0.0	R 23.1	4.8	NA	NA	NA	NA	4.8	0.0	NA	NA	R 27.9	R 58.0	-0.5	R 595.5
1973	0.0	R 24.6	4.6	NA	NA	NA	NA	4.6	0.0	NA	NA	R 29.1	R 57.7	-0.3	R 648.6
1974	0.0	R 25.3	4.8	NA	NA	NA	NA	4.8	0.0	NA	NA	R 30.0	R 41.8	-0.1	R 650.8
1975	0.0	R 24.8	5.4	NA	NA	NA	NA	5.4	0.0	NA	NA	R 30.2	R 40.5	(s)	R 634.1
1976	0.0	R 25.9	5.8	NA	NA	NA	NA	5.8	0.0	NA	NA	R 31.7	R 8.7	-0.1	R 667.8
1977	0.0	R 22.5	6.8	NA	NA	NA	NA	6.8	0.0	NA	NA	R 29.3	R -16.7	-0.1	R 720.0
1978	0.0	R 24.0	7.1	NA	NA	NA	NA	7.1	0.0	NA	NA	R 31.1	R -10.3	-0.1	R 724.4
1979	0.0	R 24.8	8.3	NA	NA	NA	NA	8.3	0.0	NA	NA	R 33.0	R -44.0	-0.1	R 761.5
1980	0.0	R 33.6	17.8	NA	NA	NA	NA	17.8	0.0	NA	NA	R 51.4	R -42.2	-0.1	R 729.3
1981	0.0	R 23.2	21.5	(s)	NA	NA	0.0	21.5	0.0	NA	NA	R 44.7	R -78.2	(s)	R 762.6
1982	0.0	R 23.9	21.6	(s)	NA	NA	0.0	21.6	0.0	NA	NA	R 45.6	R -84.7	(s)	R 717.8
1983	0.0	R 49.4	23.6	(s)	NA	NA	0.0	23.6	0.0	NA	0.0	R 73.1	R -51.4	(s)	R 726.6
1984	0.0	R 53.5	25.1	0.0	NA	NA	0.0	25.1	0.0	0.0	0.0	R 78.6	R -69.9	(s)	R 772.4
1985	12.0	R 47.7	25.6	0.0	NA	NA	0.0	25.6	0.0	0.0	0.0	R 73.3	R -67.8	0.0	R 813.9
1986	105.5	R 49.3	24.0	0.0	NA	NA	0.0	24.0	0.0	0.0	0.0	R 73.4	R -92.1	(s)	R 822.4
1987	140.5	R 34.6	17.5	0.0	NA	NA	0.0	17.5	0.0	0.0	0.0	R 52.1	R -100.3	(s)	R 838.5
1988	243.2	R 26.6	18.4	0.0	NA	NA	0.0	18.4	0.0	0.0	0.0	R 44.9	R -191.5	(s)	R 882.0
1989	83.1	R 26.9	15.6	0.0	NA	NA	0.0	15.6	0.2	3.5	0.0	R 46.2	R -74.4	(s)	R 912.1
1990	218.0	R 25.3	13.7	0.0	NA	NA	0.0	13.7	0.2	3.6	0.0	R 42.9	R -169.3	(s)	R 913.0
1991	263.1	R 23.0	14.6	0.0	NA	NA	0.0	14.6	0.2	3.7	0.0	R 41.5	R -211.6	0.4	R 923.4
1992	268.1	R 22.6	15.1	0.0	NA	NA	0.0	15.1	0.2	3.7	0.0	R 41.6	R -224.0	(s)	R 954.6
1993	231.6	R 22.9	13.6	0.3	NA	NA	0.0	13.9	0.2	3.8	0.0	R 40.7	R -191.4	(s)	R 968.2
1994	242.2	R 25.1	13.5	0.7	NA	NA	0.0	14.2	0.2	3.8	0.0	R 43.4	R -195.1	(s)	R 1,020.3
1995	283.5	R 28.3	14.4	2.3	NA	NA	0.0	16.7	0.2	3.8	0.0	R 49.0	R -160.5	1.1	R 1,051.6
1996	302.9	R 31.4	12.8	1.9	NA	NA	0.0	14.7	0.2	3.9	0.0	R 50.2	R -138.5	(s)	R 1,112.7
1997	307.6	R 41.1	14.5	1.9	NA	NA	0.0	16.4	0.2	3.8	0.0	R 61.6	R -181.4	0.4	R 1,125.7
1998	317.9	R 37.4	10.8	1.5	NA	NA	0.0	12.3	0.2	3.7	0.0	R 53.7	R -201.6	(s)	R 1,186.0
1999	317.8	R 33.3	11.2	1.3	NA	NA	0.0	12.5	0.3	3.6	0.0	R 49.6	R -198.0	0.0	R 1,235.0
2000	316.8	R 28.5	11.9	1.5	NA	NA	0.0	13.4	0.3	3.3	0.0	R 45.5	R -216.2	0.2	R 1,289.9
2001	300.0	R 26.0	8.4	2.0	(s)	NA	0.0	10.4	0.3	3.1	0.0	R 39.8	R -220.1	0.2	R 1,302.3
2002	322.3	R 25.3	8.2	1.1	(s)	NA	0.0	9.3	0.3	2.9	0.0	R 37.8	R -249.8	(s)	R 1,298.2
2003	297.9	R 24.1	8.5	1.1	(s)	NA	0.0	9.6	0.2	R 2.7	0.0	R 36.7	R -234.2	-0.1	R 1,319.6
2004	293.2	R 23.8	8.6	1.1	(s)	NA	0.0	9.7	0.3	R 2.6	0.0	R 36.4	R -297.5	0.3	R 1,372.4
2005	269.3	R 21.9	11.4	13.8	0.1	NA	0.0	25.3	0.3	R 2.5	0.0	R 50.0	R -238.8	-0.3	R 1,411.8
2006	250.6	R 23.2	10.4	14.6	0.3	NA	0.0	25.4	0.3	R 2.5	0.0	R 51.4	R -223.2	-0.6	R 1,458.0
2007	280.9	R 22.5	11.1	16.3	0.4	NA	1.6	29.4	0.3	R 2.6	0.0	R 54.9	R -280.6	(s)	R 1,467.2
2008	305.7	R 24.9	13.6	19.7	0.4	NA	3.0	36.7	0.4	R 2.9	0.0	R 64.8	R -346.9	-0.9	R 1,433.6
2009	320.7	R 21.9	6.3	19.7	0.4	NA	3.0	29.5	0.3	R 3.0	R 0.1	R 54.9	R -312.7	-0.8	R 1,350.5
2010	326.1	R 22.6	7.2	19.8	0.3	NA	2.7	30.1	0.3	R 3.4	R 0.5	R 56.9	R -323.2	0.2	R 1,403.9
2011	327.3	R 31.3	6.1	20.0	1.1	0.0	2.6	29.8	0.3	R 4.5	R 0.9	R 66.8	R -272.2	1.5	R 1,429.4
2012	334.6	R 22.9	5.9	19.4	0.1	0.0	1.8	27.2	0.3	R 8.3	R 1.8	R 60.6	R -290.0	0.1	R 1,403.4
2013	328.4	R 20.2	6.4	20.2	0.6	0.0	(s)	27.2	0.3	R 13.3	R 1.5	R 62.5	R -310.5	(s)	R 1,419.1
2014	338.0	R 20.9	7.6	21.6	1.8	0.0	2.4	33.3	0.3	R 17.7	R 1.6	R 73.8	R -296.5	0.2	R 1,422.8
2015	340.2	R 22.3	R 8.6	24.1	0.1	0.0	2.6	R 35.3	0.3	R 19.7	R 1.5	R 79.2	R -288.2	0.1	R 1,439.7
2016	338.6	R 24.5	7.9	24.7	2.6	0.0	2.4	R 37.6	0.3	R 21.6	R 1.8	R 85.9	R -236.8	0.4	R 1,462.2
2017	338.2	R 23.3	R 8.0	25.1	2.2	0.0	2.6	R 37.9	0.3	R 26.7	R 1.9	R 90.2	R -218.4	0.2	R 1,462.7
2018	325.1	R 23.8	R 9.7	25.5	2.2	0.0	2.6	R 40.0	0.3	R 28.6	R 1.8	R 94.6	R -267.7	0.1	R 1,474.5
2019	333.3	R 21.2	R 11.3	26.1	2.2	0.0	1.2	R 40.8	0.3	R 30.1	R 1.9	R 94.3	R -283.7	(s)	R 1,493.1
2020	329.6	R 21.9	R 8.6	23.5	2.2	0.0	0.0	R 34.3	0.3	R 33.2	R 2.2	R 92.0	R -201.1	(s)	R 1,435.3
2021	R 329.9	R 20.4	R 8.2	25.9	2.2	0.0	0.0	R 36.3	0.3	R 37.8	R 5.5	R 100.3	R -198.6	(s)	R 1,481.3
2022	333.1	18.1	9.4	26.0	2.2	0.0	0.0	37.6	0.3	41.1	5.3	102.4	-139.7	(s)	1,526.9

[e] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[h] Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.

[i] Losses and co-products from the production of biodiesel and fuel ethanol.

[j] Solar thermal and photovoltaic energy.

[k] Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state during the year. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

[l] Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, Arizona

Year	Coal	Natural gas [a]	Petroleum							Hydro-electric power [g,h]	Biomass		Geo-thermal [h]	Solar [h,k]	Electricity [l]	End use [h,m]	Electrical system energy losses [n]	Total [h,m]
			Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Motor gasoline [e]	Residual fuel oil	Other [f]	Total		Wood and waste [h,i]	Losses and co-products [j]						
	Thousand short tons	Billion cubic feet	Thousand barrels							Million kilowatt-hours					Million kilowatt-hours			
1960	10	82	2,785	724	4,721	12,363	84	1,901	22,578	0	– –	– –	– –	– –	6,138	– –	– –	– –
1970	5	134	4,897	1,304	6,644	21,542	86	4,615	39,088	13	– –	– –	– –	– –	13,769	– –	– –	– –
1980	643	116	10,333	1,589	7,967	30,589	154	3,097	53,728	15	– –	– –	– –	– –	26,762	– –	– –	– –
1990	660	102	11,170	1,508	8,501	39,326	18	3,335	63,859	0	– –	– –	– –	– –	41,470	– –	– –	– –
2000	720	110	19,567	1,660	10,433	56,431	23	4,479	92,594	0	– –	– –	– –	– –	61,130	– –	– –	– –
2005	720	104	25,853	1,395	8,018	67,483	21	5,454	108,224	0	– –	– –	– –	– –	69,391	– –	– –	– –
2006	741	110	26,708	1,567	7,721	69,307	17	4,998	110,317	0	– –	– –	– –	– –	73,253	– –	– –	– –
2007	713	113	26,245	1,569	6,612	70,010	22	4,931	109,389	0	– –	– –	– –	– –	77,193	– –	– –	– –
2008	628	115	25,946	2,524	6,763	65,760	0	4,309	105,301	0	– –	– –	– –	– –	76,268	– –	– –	– –
2009	431	108	23,868	2,057	4,686	63,417	0	3,560	97,588	0	– –	– –	– –	– –	73,433	– –	– –	– –
2010	536	106	24,838	2,074	12,762	63,127	0	4,054	106,855	0	– –	– –	– –	– –	72,833	– –	– –	– –
2011	503	108	26,044	2,351	13,106	62,068	6	4,131	107,706	0	– –	– –	– –	– –	74,944	– –	– –	– –
2012	418	103	25,177	1,706	12,830	61,513	0	3,675	104,901	0	– –	– –	– –	– –	75,063	– –	– –	– –
2013	181	109	25,214	1,969	12,965	62,910	0	3,487	106,545	0	– –	– –	– –	– –	75,662	– –	– –	– –
2014	221	101	24,680	2,058	13,205	63,340	0	3,566	106,850	0	– –	– –	– –	– –	76,298	– –	– –	– –
2015	235	103	24,503	1,966	13,327	66,657	0	3,678	110,131	0	– –	– –	– –	– –	77,349	– –	– –	– –
2016	175	105	25,752	2,256	13,287	68,984	0	R 3,881	R 114,161	0	– –	– –	– –	– –	78,238	– –	– –	– –
2017	227	97	26,274	2,204	13,887	69,377	0	R 3,775	R 115,517	0	– –	– –	– –	– –	77,646	– –	– –	– –
2018	280	100	26,442	2,423	13,435	70,764	0	R 3,885	R 116,949	0	– –	– –	– –	– –	78,346	– –	– –	– –
2019	282	113	27,879	2,805	13,959	71,328	0	R 4,188	R 120,159	0	– –	– –	– –	– –	77,929	– –	– –	– –
2020	277	111	27,964	2,585	9,816	63,610	0	R 3,905	R 107,879	0	– –	– –	– –	– –	81,960	– –	– –	– –
2021	273	112	R 29,503	2,742	12,715	69,780	0	R 4,517	R 119,257	0	– –	– –	– –	– –	81,220	– –	– –	– –
2022	260	115	29,850	2,846	13,158	69,692	0	4,572	120,119	0	– –	– –	– –	– –	84,197	– –	– –	– –
			Trillion Btu															
1960	0.2	85.2	16.2	2.8	25.3	64.9	0.5	11.3	121.1	0.0	3.8	NA	NA	NA	20.9	231.2	R 42.2	R 273.4
1970	0.1	142.0	28.5	5.0	36.4	113.2	0.5	29.6	213.2	R (s)	4.3	NA	NA	NA	47.0	406.7	R 96.2	R 502.9
1980	13.1	121.4	60.2	5.9	43.9	160.7	1.0	19.6	291.3	R 0.1	17.8	NA	NA	NA	91.3	R 535.0	R 194.2	R 729.3
1990	13.3	105.8	65.1	5.6	47.3	206.6	0.1	21.4	346.0	0.0	13.7	0.0	0.2	3.6	141.5	624.1	R 288.9	R 913.0
2000	16.0	110.7	113.9	6.3	59.2	293.5	0.1	28.8	501.8	0.0	11.9	0.0	0.3	3.3	208.6	852.6	R 437.4	R 1,289.9
2005	16.0	106.5	150.4	5.3	45.5	350.4	0.1	35.5	587.1	0.0	10.7	0.0	0.3	2.4	236.8	R 959.9	R 451.8	R 1,411.8
2006	16.3	112.0	155.0	5.9	43.8	359.4	0.1	32.4	596.5	0.0	9.9	0.0	0.3	2.5	249.9	987.8	R 470.2	R 1,458.0
2007	15.3	115.7	151.8	5.8	37.5	360.0	0.1	32.0	587.2	0.0	10.9	1.6	0.3	R 2.6	263.4	R 997.4	R 469.7	R 1,467.2
2008	12.9	118.4	150.0	9.5	38.3	335.8	0.0	27.8	561.4	0.0	11.9	3.0	0.4	R 2.8	260.2	R 971.4	R 462.2	R 1,433.6
2009	8.7	109.8	137.9	7.7	26.6	322.8	0.0	23.0	518.0	0.0	4.6	3.0	0.3	R 3.0	250.6	R 898.0	R 453.3	R 1,351.3
2010	10.8	108.3	143.4	8.0	72.4	319.9	0.0	26.1	569.7	0.0	5.2	2.7	0.3	R 3.4	248.5	R 948.9	R 455.5	R 1,404.4
2011	10.0	109.2	150.3	9.0	74.3	314.2	(s)	26.6	574.5	0.0	3.7	2.6	0.3	R 4.2	255.7	R 960.3	R 470.1	R 1,430.4
2012	8.7	105.4	145.2	6.6	72.7	311.4	0.0	23.7	559.5	0.0	3.1	1.8	0.3	R 5.1	256.1	R 940.1	R 465.3	R 1,405.5
2013	4.3	111.9	145.3	7.6	73.5	318.3	0.0	22.3	567.0	0.0	3.9	(s)	0.3	R 6.1	258.2	R 951.8	R 470.6	R 1,422.3
2014	5.2	104.3	142.2	7.9	74.9	320.4	0.0	22.7	568.1	0.0	4.0	2.4	0.3	R 7.1	260.3	R 951.6	R 473.0	R 1,424.7
2015	5.4	107.5	141.2	7.6	75.6	337.1	0.0	23.5	584.9	0.0	R 4.7	2.6	0.3	R 8.0	263.9	R 977.3	R 466.3	R 1,443.6
2016	4.1	109.4	148.3	8.7	75.3	348.7	0.0	R 24.9	605.8	0.0	R 4.0	2.4	0.3	R 8.8	266.9	R 1,001.9	R 463.1	R 1,465.0
2017	5.3	102.0	151.3	8.5	78.7	350.6	0.0	R 23.9	R 612.9	0.0	R 4.9	2.6	0.3	R 9.9	264.9	R 1,002.8	R 462.8	R 1,465.6
2018	6.5	104.1	152.3	9.3	76.2	357.6	0.0	24.6	620.0	0.0	R 6.2	2.6	0.3	R 11.1	267.3	R 1,018.2	R 458.8	R 1,477.1
2019	6.6	116.5	160.6	10.8	79.1	360.3	0.0	R 26.6	R 637.4	0.0	R 7.5	1.2	0.3	R 12.2	265.9	R 1,047.5	R 448.1	R 1,495.7
2020	6.5	113.7	161.0	9.9	55.7	321.4	0.0	R 24.8	R 572.7	0.0	R 5.1	0.0	0.3	R 13.3	279.6	R 991.3	R 447.0	R 1,438.3
2021	6.4	115.6	R 170.1	10.5	72.1	352.4	0.0	R 28.6	R 633.6	0.0	R 5.1	0.0	0.3	R 15.0	277.1	R 1,053.1	R 429.7	R 1,482.8
2022	6.0	119.1	172.1	10.9	74.6	351.9	0.0	28.9	638.4	0.0	6.3	0.0	0.3	17.1	287.3	1,074.5	453.9	1,528.4

[a] Includes supplemental gaseous fuels that are commingled with natural gas.

[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.

[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other petroleum."

[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the “other petroleum products” category. See Technical Notes, Section 4.

[g] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

[h] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

[i] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[j] Losses and co-products from the production of biodiesel and fuel ethanol.

[k] Solar thermal and photovoltaic energy.

[l] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

[m] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.

[n] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: · Total end-use sector consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2022, Arizona

Year	Coal [a]	Natural gas [b]	Petroleum				Biomass	Geothermal [e]	Solar [e,f]	Electricity [g]	End use [e,h]	Electrical system energy losses [i]	Total [e,h]
			Distillate fuel oil	HGL [c]	Kerosene	Total							
	Thousand short tons	Billion cubic feet	Thousand barrels				Wood [d]			Million kilowatthours			
1960	0	27	47	354	0	402	– –	– –	– –	1,355	– –	– –	– –
1965	0	25	59	648	9	715	– –	– –	– –	2,230	– –	– –	– –
1970	0	30	98	749	68	915	– –	– –	– –	4,327	– –	– –	– –
1975	0	38	216	484	77	777	– –	– –	– –	7,138	– –	– –	– –
1980	0	30	2	586	0	588	– –	– –	– –	9,637	– –	– –	– –
1985	(s)	29	12	853	3	868	– –	– –	– –	12,249	– –	– –	– –
1990	(s)	30	9	688	(s)	698	– –	– –	– –	15,378	– –	– –	– –
1995	1	27	6	866	2	874	– –	– –	– –	18,036	– –	– –	– –
2000	(s)	35	4	1,115	1	1,120	– –	– –	– –	24,844	– –	– –	– –
2005	(s)	36	3	770	4	778	– –	– –	– –	30,544	– –	– –	– –
2006	(s)	36	3	836	2	841	– –	– –	– –	32,367	– –	– –	– –
2007	(s)	38	2	783	(s)	786	– –	– –	– –	34,437	– –	– –	– –
2008	0	38	2	1,346	(s)	1,349	– –	– –	– –	33,236	– –	– –	– –
2009	0	35	3	1,270	(s)	1,274	– –	– –	– –	32,847	– –	– –	– –
2010	0	38	3	1,191	(s)	1,194	– –	– –	– –	32,448	– –	– –	– –
2011	0	39	3	1,381	(s)	1,384	– –	– –	– –	33,079	– –	– –	– –
2012	0	35	4	812	(s)	816	– –	– –	– –	32,923	– –	– –	– –
2013	0	40	2	1,033	(s)	1,035	– –	– –	– –	33,104	– –	– –	– –
2014	0	32	2	1,063	(s)	1,066	– –	– –	– –	32,346	– –	– –	– –
2015	0	35	1	913	(s)	914	– –	– –	– –	33,167	– –	– –	– –
2016	0	35	1	1,045	(s)	1,046	– –	– –	– –	33,691	– –	– –	– –
2017	0	33	1	1,024	(s)	1,026	– –	– –	– –	34,251	– –	– –	– –
2018	0	35	1	1,298	(s)	1,299	– –	– –	– –	34,660	– –	– –	– –
2019	0	42	(s)	1,444	(s)	1,444	– –	– –	– –	34,720	– –	– –	– –
2020	0	42	4	1,309	(s)	1,313	– –	– –	– –	38,707	– –	– –	– –
2021	0	40	2	1,328	(s)	1,330	– –	– –	– –	37,130	– –	– –	– –
2022	0	42	2	1,244	(s)	1,246	– –	– –	– –	38,368	– –	– –	– –
							Trillion Btu						
1960	0.0	28.4	0.3	1.4	0.0	1.6	2.8	NA	NA	4.6	37.4	R 9.3	R 46.7
1965	0.0	27.1	0.3	2.5	(s)	2.9	2.6	NA	NA	7.6	40.2	R 15.0	R 55.1
1970	0.0	31.4	0.6	2.9	0.4	3.8	3.0	NA	NA	14.8	53.0	R 30.2	R 83.3
1975	0.0	39.8	1.3	1.9	0.4	3.6	3.4	NA	NA	24.4	71.1	R 49.7	R 120.8
1980	0.0	30.9	(s)	2.2	0.0	2.3	8.8	NA	NA	32.9	74.8	R 69.9	R 144.7
1985	(s)	29.9	0.1	3.3	(s)	3.4	14.8	NA	NA	41.8	89.9	R 84.9	R 174.9
1990	(s)	31.3	0.1	2.6	(s)	2.7	8.2	(s)	3.6	52.5	98.3	R 107.1	R 205.4
1995	(s)	27.9	(s)	3.3	(s)	3.4	8.2	(s)	3.8	61.5	104.9	R 126.1	R 231.0
2000	(s)	35.1	(s)	4.3	(s)	4.3	9.5	(s)	3.3	84.8	137.0	R 177.8	R 314.8
2005	(s)	36.6	(s)	3.0	(s)	3.0	8.3	(s)	2.4	104.2	154.6	R 198.9	R 353.5
2006	(s)	36.7	(s)	3.2	(s)	3.2	7.4	(s)	2.5	110.4	160.3	R 207.8	R 368.1
2007	(s)	39.3	(s)	3.0	(s)	3.0	8.2	(s)	2.6	117.5	R 170.6	R 209.6	R 380.2
2008	0.0	39.5	(s)	5.2	(s)	5.2	9.1	(s)	R 2.8	113.4	R 170.0	R 201.4	R 371.5
2009	0.0	35.4	(s)	4.9	(s)	4.9	2.9	(s)	R 2.9	112.1	R 158.2	R 202.8	R 360.9
2010	0.0	38.4	(s)	4.6	(s)	4.6	3.1	(s)	R 3.2	110.7	R 160.0	R 202.9	R 363.0
2011	0.0	39.1	(s)	5.3	(s)	5.3	3.0	(s)	R 3.5	112.9	R 163.8	R 207.5	R 371.2
2012	0.0	35.7	(s)	3.1	(s)	3.1	2.5	0.1	R 3.9	112.3	R 157.6	R 204.1	R 361.7
2013	0.0	40.7	(s)	4.0	(s)	4.0	3.3	0.1	R 4.4	112.9	R 165.4	R 205.9	R 371.3
2014	0.0	33.4	(s)	4.1	(s)	4.1	3.3	0.1	R 5.0	110.4	R 156.3	R 200.5	R 356.8
2015	0.0	36.0	(s)	3.5	(s)	3.5	3.9	0.1	R 5.7	113.2	R 162.3	R 200.0	R 362.3
2016	0.0	36.6	(s)	4.0	(s)	4.0	3.2	0.1	R 6.6	115.0	R 165.4	R 199.4	R 364.8
2017	0.0	34.3	(s)	3.9	(s)	3.9	R 3.0	0.1	R 7.6	116.9	R 165.8	R 204.1	R 369.9
2018	0.0	36.5	(s)	5.0	(s)	5.0	4.3	0.1	R 8.5	118.3	R 172.6	R 203.0	R 375.6
2019	0.0	43.4	(s)	5.5	(s)	5.5	R 5.4	0.1	R 9.5	118.5	R 182.4	R 199.7	R 382.0
2020	0.0	42.6	(s)	5.0	(s)	5.1	R 3.1	0.1	R 10.4	132.1	R 193.2	R 211.1	R 404.3
2021	0.0	41.2	(s)	5.1	(s)	5.1	R 3.1	0.1	R 11.7	126.7	R 187.8	R 196.4	R 384.2
2022	0.0	43.5	(s)	4.8	(s)	4.8	4.2	0.1	14.0	130.9	197.6	206.8	404.3

[a] Beginning in 2008, data are no longer collected and are assumed to be zero.
[b] Includes supplemental gaseous fuels that are commingled with natural gas.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Wood and wood-derived fuels.
[e] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[f] Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.
[g] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[h] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, Arizona

Year	Coal	Natural gas [a]	Petroleum						Hydro-electric power [e,f]	Biomass	Geothermal [f]	Solar [f,h]	Electricity [i]	End use [f,j]	Electrical system energy losses [k]	Total [f,j]
			Distillate fuel oil	HGL [b]	Kerosene	Motor gasoline [c]	Residual fuel oil	Total [d]		Wood and waste [f,g]						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kilowatthours			Million kilowatthours				
1960	0	25	106	113	0	89	39	348	NA	– –	– –	NA	3,302	– –	– –	– –
1965	0	19	131	207	2	137	17	494	NA	– –	– –	NA	3,044	– –	– –	– –
1970	0	23	220	239	12	146	31	648	NA	– –	– –	NA	4,690	– –	– –	– –
1975	0	33	485	154	14	177	83	913	NA	– –	– –	NA	7,162	– –	– –	– –
1980	0	27	280	187	0	179	0	647	NA	– –	– –	NA	9,122	– –	– –	– –
1985	1	25	463	272	2	140	(s)	877	NA	– –	– –	NA	12,295	– –	– –	– –
1990	(s)	28	456	220	2	257	0	935	0	– –	– –	(s)	16,058	– –	– –	– –
1995	4	28	354	276	1	35	0	667	0	– –	– –	(s)	18,562	– –	– –	– –
2000	(s)	32	867	356	3	37	0	1,263	0	– –	– –	(s)	24,311	– –	– –	– –
2005	1	32	473	229	2	40	0	744	0	– –	– –	1	27,468	– –	– –	– –
2006	1	33	458	206	2	43	0	711	0	– –	– –	2	28,626	– –	– –	– –
2007	1	33	641	212	2	45	0	900	0	– –	– –	3	30,475	– –	– –	– –
2008	0	33	1,226	428	(s)	45	0	1,699	0	– –	– –	8	30,162	– –	– –	– –
2009	0	32	868	215	1	113	0	1,197	0	– –	– –	16	29,386	– –	– –	– –
2010	0	32	1,200	309	1	146	0	1,655	0	– –	– –	55	28,943	– –	– –	– –
2011	0	33	1,166	377	(s)	126	0	1,669	0	– –	– –	204	29,512	– –	– –	– –
2012	0	32	1,145	351	(s)	109	0	1,606	0	– –	– –	304	29,692	– –	– –	– –
2013	0	33	1,017	384	(s)	126	0	1,527	0	– –	– –	436	30,039	– –	– –	– –
2014	0	30	1,025	455	(s)	43	0	1,524	0	– –	– –	506	29,290	– –	– –	– –
2015	0	31	1,089	427	(s)	1,789	0	3,305	0	– –	– –	524	29,284	– –	– –	– –
2016	0	34	869	631	(s)	1,789	0	3,288	0	– –	– –	493	29,564	– –	– –	– –
2017	0	31	873	646	(s)	1,804	0	3,324	0	– –	– –	659	29,681	– –	– –	– –
2018	0	32	787	629	(s)	1,834	0	3,250	0	– –	– –	744	29,684	– –	– –	– –
2019	0	35	684	900	(s)	1,844	0	3,429	0	– –	– –	776	29,415	– –	– –	– –
2020	0	32	593	880	(s)	1,857	0	3,330	0	– –	– –	862	29,128	– –	– –	– –
2021	0	33	R 930	941	(s)	1,875	0	R 3,746	0	– –	– –	953	29,990	– –	– –	– –
2022	0	36	1,038	855	(s)	1,965	0	3,859	0	– –	– –	871	31,507	– –	– –	– –
			Trillion Btu													
1960	0.0	26.2	0.6	0.4	0.0	0.5	0.2	1.8	NA	0.1	NA	NA	11.3	39.3	R 22.7	R 62.0
1965	0.0	20.7	0.8	0.8	(s)	0.7	0.1	2.4	NA	(s)	NA	NA	10.4	33.5	R 20.4	R 54.0
1970	0.0	24.0	1.3	0.9	0.1	0.8	0.2	3.2	NA	0.1	NA	NA	16.0	43.3	R 32.8	R 76.1
1975	0.0	34.3	2.8	0.6	0.1	0.9	0.5	4.9	NA	0.1	NA	NA	24.4	63.7	R 49.9	R 113.6
1980	0.0	28.7	1.6	0.7	0.0	0.9	0.0	3.3	NA	0.2	NA	NA	31.1	63.4	R 66.2	R 129.6
1985	(s)	26.5	2.7	1.0	(s)	0.7	(s)	4.5	NA	0.4	NA	NA	41.9	73.3	R 85.2	R 158.6
1990	(s)	29.3	2.7	0.8	(s)	1.3	0.0	4.9	0.0	0.9	(s)	(s)	54.8	89.9	R 111.9	R 201.7
1995	0.1	29.3	2.1	1.1	(s)	0.2	0.0	3.3	0.0	1.1	(s)	(s)	63.3	97.2	R 129.8	R 226.9
2000	(s)	32.5	5.0	1.4	(s)	0.2	0.0	6.6	0.0	1.7	(s)	(s)	82.9	123.7	R 173.9	R 297.7
2005	(s)	32.6	2.8	0.9	(s)	0.2	0.0	3.8	0.0	1.4	0.1	(s)	93.7	131.7	R 178.9	R 310.5
2006	(s)	33.4	2.7	0.8	(s)	0.2	0.0	3.7	0.0	1.3	0.1	(s)	97.7	R 136.1	R 183.7	R 319.9
2007	(s)	33.5	3.7	0.8	(s)	0.2	0.0	4.8	0.0	1.4	(s)	(s)	104.0	R 143.7	R 185.4	R 329.2
2008	0.0	33.4	7.1	1.6	(s)	0.2	0.0	9.0	0.0	1.4	(s)	R (s)	102.9	146.8	R 182.8	R 329.6
2009	0.0	32.8	5.0	0.8	(s)	0.6	0.0	6.4	0.0	0.5	(s)	R 0.1	100.3	R 140.0	R 181.4	R 321.4
2010	0.0	32.5	6.9	1.2	(s)	0.7	0.0	8.9	0.0	0.5	(s)	R 0.2	98.8	R 140.8	R 181.0	R 321.8
2011	0.0	33.1	6.7	1.4	(s)	0.6	0.0	8.8	0.0	0.5	(s)	R 0.7	100.7	R 143.8	R 185.1	R 328.9
2012	0.0	32.2	6.6	1.3	(s)	0.6	0.0	8.5	0.0	0.4	(s)	R 1.0	101.3	R 143.5	R 184.1	R 327.5
2013	0.0	33.7	5.9	1.5	(s)	0.6	0.0	8.0	0.0	0.4	(s)	R 1.5	102.5	R 146.1	R 186.8	R 333.0
2014	0.0	31.4	5.9	1.7	(s)	0.2	0.0	7.9	0.0	0.4	(s)	R 1.7	99.9	R 141.4	R 181.6	R 323.0
2015	0.0	31.9	6.3	1.6	(s)	9.0	0.0	17.0	0.0	0.6	(s)	R 1.8	99.9	R 151.2	R 176.5	R 327.7
2016	0.0	35.4	5.0	2.4	(s)	9.0	0.0	16.5	0.0	0.6	(s)	R 1.7	100.9	R 155.1	R 175.0	R 330.1
2017	0.0	32.6	5.0	2.5	(s)	9.1	0.0	16.6	0.0	0.6	(s)	R 2.2	101.3	R 153.4	R 176.9	R 330.3
2018	0.0	33.1	4.5	2.4	(s)	9.3	0.0	16.2	0.0	R 0.6	(s)	R 2.5	101.3	R 153.8	R 173.8	R 327.6
2019	0.0	35.8	3.9	3.5	(s)	9.3	0.0	16.7	0.0	0.8	(s)	R 2.6	100.4	R 156.3	R 169.2	R 325.5
2020	0.0	32.5	3.4	3.4	(s)	9.4	0.0	16.2	0.0	0.7	(s)	R 2.9	99.4	R 151.7	R 158.9	R 310.6
2021	0.0	34.4	5.4	3.6	(s)	9.5	0.0	R 18.4	0.0	0.7	(s)	R 3.3	102.3	R 159.2	R 158.7	R 317.9
2022	0.0	36.8	6.0	3.3	(s)	9.9	0.0	19.2	0.0	0.8	(s)	3.0	107.5	167.3	169.8	337.1

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, assumed to be propane only.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[i] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[j] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by commercial utility-scale facilities.
[k] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: · Totals may not equal sum of components due to independent rounding. · The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, Arizona

Year	Coal	Natural gas [a]	Petroleum						Hydro-electric power [e,f]	Biomass		Geo-thermal [f]	Solar [f,i]	Electricity [j]	End use [f,k]	Electrical system energy losses [l]	Total [f,k]
			Distillate fuel oil	HGL [b]	Motor gasoline [c]	Residual fuel oil	Other [d]	Total		Wood and waste [f,g]	Losses and co-products [h]						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kWh				Million kWh				
1960	10	14	1,227	222	515	27	1,008	3,000	0	– –	– –	– –	NA	1,481	– –	– –	– –
1965	4	55	1,545	161	437	20	1,224	3,387	0	– –	– –	– –	NA	3,331	– –	– –	– –
1970	5	58	1,387	253	456	55	3,879	6,031	13	– –	– –	– –	NA	4,751	– –	– –	– –
1975	133	51	3,113	430	440	102	2,696	6,781	14	– –	– –	– –	NA	6,868	– –	– –	– –
1980	643	38	3,570	739	309	154	2,469	7,241	15	– –	– –	– –	NA	8,003	– –	– –	– –
1985	1,915	17	1,799	505	404	31	2,815	5,554	15	– –	– –	– –	NA	8,457	– –	– –	– –
1990	660	18	2,768	545	503	18	2,783	6,617	0	– –	– –	– –	(s)	10,034	– –	– –	– –
1995	657	28	3,590	745	410	69	3,504	8,317	0	– –	– –	– –	(s)	11,992	– –	– –	– –
2000	720	21	4,222	167	339	23	3,910	8,660	0	– –	– –	– –	(s)	11,975	– –	– –	– –
2005	719	17	4,921	193	1,048	21	4,956	11,138	0	– –	– –	– –	(s)	11,379	– –	– –	– –
2006	740	18	4,542	292	1,220	17	4,520	10,591	0	– –	– –	– –	(s)	12,259	– –	– –	– –
2007	712	19	4,300	392	1,075	22	4,476	10,265	0	– –	– –	– –	(s)	12,281	– –	– –	– –
2008	628	20	6,043	481	1,049	0	3,866	11,440	0	– –	– –	– –	1	12,869	– –	– –	– –
2009	431	18	4,608	369	997	0	3,175	9,149	0	– –	– –	– –	2	11,200	– –	– –	– –
2010	536	19	4,999	539	871	0	3,397	9,806	0	– –	– –	– –	6	11,442	– –	– –	– –
2011	503	22	5,711	557	876	6	3,472	10,622	0	– –	– –	– –	28	12,352	– –	– –	– –
2012	418	23	5,663	506	933	0	3,096	10,199	0	– –	– –	– –	47	12,448	– –	– –	– –
2013	181	22	5,731	502	973	0	2,916	10,123	0	– –	– –	– –	70	12,519	– –	– –	– –
2014	221	22	5,201	462	938	0	2,918	9,519	0	– –	– –	– –	83	14,662	– –	– –	– –
2015	235	20	4,419	498	1,703	0	3,021	9,641	0	– –	– –	– –	147	14,892	– –	– –	– –
2016	175	20	5,305	429	1,739	0	R 3,254	R 10,727	0	– –	– –	– –	170	14,976	– –	– –	– –
2017	227	19	5,757	406	1,747	0	R 3,170	R 11,079	0	– –	– –	– –	17	13,706	– –	– –	– –
2018	280	19	4,832	388	1,757	0	R 3,263	R 10,240	0	– –	– –	– –	24	13,994	– –	– –	– –
2019	282	19	5,199	360	1,763	0	R 3,558	R 10,881	0	– –	– –	– –	14	13,783	– –	– –	– –
2020	277	19	5,280	312	1,834	0	R 3,336	R 10,762	0	– –	– –	– –	14	14,113	– –	– –	– –
2021	273	20	5,059	328	1,759	0	R 3,687	R 10,832	0	– –	– –	– –	14	14,089	– –	– –	– –
2022	260	20	5,113	664	1,932	0	3,705	11,413	0	– –	– –	– –	32	14,312	– –	– –	– –
			Trillion Btu														
1960	0.2	14.2	7.1	0.8	2.7	0.2	6.6	17.4	0.0	1.0	NA	NA	NA	5.1	37.9	R 10.2	R 48.1
1965	0.1	59.4	9.0	0.6	2.3	0.1	8.1	20.1	0.0	1.1	NA	NA	NA	11.4	92.0	R 22.4	R 114.3
1970	0.1	61.2	8.1	0.9	2.4	0.3	25.6	37.3	R (s)	1.3	NA	NA	NA	16.2	R 116.1	R 33.2	R 149.4
1975	2.6	53.4	18.1	1.5	2.3	0.6	17.6	40.2	R (s)	1.9	NA	NA	NA	23.4	R 121.7	R 47.8	R 169.5
1980	13.1	39.5	20.8	2.6	1.6	1.0	16.1	42.1	R 0.1	8.9	NA	NA	NA	27.3	R 131.0	R 58.1	R 189.1
1985	38.8	17.3	10.5	1.7	2.1	0.2	18.5	33.1	R 0.1	10.4	0.0	NA	NA	28.9	R 128.4	R 58.6	R 187.0
1990	13.3	19.0	16.1	1.9	2.6	0.1	18.2	39.0	0.0	4.6	0.0	0.2	(s)	34.2	110.4	R 69.9	R 180.3
1995	13.1	28.8	20.9	2.6	2.1	0.4	23.0	49.0	0.0	5.0	0.0	0.2	(s)	40.9	137.1	R 83.8	R 220.9
2000	16.0	21.5	24.6	0.6	1.8	0.1	25.6	52.6	0.0	0.7	0.0	0.2	(s)	40.9	131.9	R 85.7	R 217.6
2005	15.9	17.4	28.6	0.7	5.4	0.1	32.7	67.5	0.0	1.0	0.0	0.2	(s)	38.8	140.9	R 74.1	R 215.0
2006	16.3	18.8	26.4	1.0	6.3	0.1	29.7	63.5	0.0	1.2	0.0	0.2	(s)	41.8	141.8	R 78.7	R 220.5
2007	15.3	19.9	24.9	1.3	5.5	0.1	29.4	61.2	0.0	1.3	1.6	0.2	(s)	41.9	141.4	R 74.7	R 216.2
2008	12.9	20.7	34.9	1.6	5.4	0.0	25.3	67.2	0.0	1.3	3.0	0.3	(s)	43.9	149.4	R 78.0	R 227.4
2009	8.7	18.3	26.6	1.2	5.1	0.0	20.8	53.7	0.0	1.3	3.0	0.2	(s)	38.2	123.5	R 69.1	R 192.7
2010	10.8	19.6	28.9	2.1	4.4	0.0	22.3	57.6	0.0	1.7	2.7	0.2	R (s)	39.0	131.7	R 71.6	R 203.2
2011	10.0	22.0	33.0	2.1	4.4	(s)	22.8	62.3	0.0	0.3	2.6	0.2	R 0.1	42.1	R 139.7	R 77.5	R 217.2
2012	8.7	23.1	32.7	1.9	4.7	0.0	20.3	59.7	0.0	0.3	1.8	0.2	R 0.2	42.5	R 136.5	R 77.2	R 213.6
2013	4.3	22.7	33.0	1.9	4.9	0.0	19.0	58.8	0.0	0.3	(s)	0.2	R 0.2	42.7	R 129.4	R 77.9	R 207.2
2014	5.2	23.2	30.0	1.8	4.7	0.0	19.0	55.4	0.0	0.3	2.4	0.2	R 0.3	50.0	R 137.1	R 90.9	R 228.0
2015	5.4	21.3	25.5	1.9	8.6	0.0	19.7	55.6	0.0	0.3	2.6	0.2	R 0.5	50.8	R 136.8	R 89.8	R 226.6
2016	4.1	20.6	30.5	1.6	8.8	0.0	21.2	62.2	0.0	0.3	2.4	0.2	R 0.6	51.1	R 141.4	R 88.6	R 230.1
2017	5.3	20.1	33.1	1.6	8.8	0.0	R 20.4	63.9	0.0	1.3	2.6	0.2	R 0.1	46.8	R 140.3	R 81.7	R 222.0
2018	6.5	19.9	27.8	1.5	8.9	0.0	21.0	59.2	0.0	1.3	2.6	0.2	R 0.1	47.7	R 137.7	R 82.0	R 219.7
2019	6.6	19.2	29.9	1.4	8.9	0.0	R 23.0	R 63.2	0.0	1.3	1.2	0.2	R (s)	47.0	138.8	R 79.3	R 218.1
2020	6.5	19.6	30.4	1.2	9.3	0.0	R 21.5	R 62.4	0.0	1.3	0.0	0.2	R (s)	48.2	R 138.3	R 77.0	R 215.2
2021	6.4	20.6	29.2	1.3	8.9	0.0	23.9	63.2	0.0	1.3	0.0	0.2	R (s)	48.1	139.9	R 74.5	R 214.4
2022	6.0	20.1	29.5	2.5	9.8	0.0	23.9	65.7	0.0	1.3	0.0	0.2	0.1	48.8	142.3	77.1	219.5

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
[d] Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[e] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of biodiesel and fuel ethanol.
[i] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[j] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[k] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: · Totals may not equal sum of components due to independent rounding. · The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. · The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, Arizona

Year	Coal	Natural gas [a]	Petroleum								Electricity [f]	End use [g,h]	Electrical system energy losses [i]	Total [g,h]
			Aviation gasoline	Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Lubricants	Motor gasoline [e]	Residual fuel oil	Total				
	Thousand short tons	Billion cubic feet	Thousand barrels								Million kilowatthours			
1960	(s)	16	699	1,404	34	4,721	193	11,759	17	18,829	0	– –	– –	– –
1965	(s)	18	478	1,790	40	5,545	206	14,423	0	22,482	0	– –	– –	– –
1970	(s)	24	427	3,192	63	6,644	229	20,940	0	31,494	0	– –	– –	– –
1975	(s)	17	358	4,756	51	6,995	267	27,087	0	39,514	0	– –	– –	– –
1980	0	21	281	6,480	78	7,967	347	30,100	0	45,253	0	– –	– –	– –
1985	0	19	184	7,624	92	7,154	316	35,604	0	50,974	0	– –	– –	– –
1990	0	25	194	7,936	55	8,501	355	38,566	0	55,608	0	– –	– –	– –
1995	0	19	139	11,068	51	7,588	339	46,714	0	65,899	0	– –	– –	– –
2000	0	21	204	14,474	23	10,433	362	56,056	0	81,551	0	– –	– –	– –
2005	0	19	188	20,456	203	8,018	305	66,394	0	95,564	0	– –	– –	– –
2006	0	23	177	21,703	233	7,721	298	68,043	0	98,175	0	– –	– –	– –
2007	0	22	145	21,303	181	6,612	307	68,890	0	97,439	0	– –	– –	– –
2008	0	24	156	18,674	269	6,763	285	64,665	0	90,814	0	– –	– –	– –
2009	0	23	127	18,389	203	4,686	256	62,308	0	85,968	0	– –	– –	– –
2010	0	17	186	18,637	35	12,762	470	62,109	0	94,200	0	– –	– –	– –
2011	0	15	205	19,164	36	13,106	454	61,066	0	94,029	0	– –	– –	– –
2012	0	14	167	18,365	37	12,830	411	60,471	0	92,281	0	– –	– –	– –
2013	0	14	139	18,464	51	12,965	432	61,811	0	93,860	0	– –	– –	– –
2014	0	16	205	18,452	78	13,205	442	62,359	0	94,742	0	– –	– –	– –
2015	0	17	167	18,994	128	13,327	489	63,166	0	96,270	6	– –	– –	– –
2016	0	16	150	19,577	151	13,287	R 477	65,457	0	R 99,099	7	– –	– –	– –
2017	0	14	167	19,643	128	13,887	R 439	65,825	0	R 100,089	8	– –	– –	– –
2018	0	14	191	20,822	107	13,435	R 430	67,174	0	R 102,159	8	– –	– –	– –
2019	0	18	207	21,995	101	13,959	R 424	67,721	0	R 104,405	11	– –	– –	– –
2020	0	18	183	22,087	83	9,816	R 386	59,918	0	R 92,474	11	– –	– –	– –
2021	0	19	168	R 23,512	145	12,715	R 423	66,146	0	R 103,349	11	– –	– –	– –
2022	0	18	174	23,697	82	13,158	450	65,795	0	103,600	10	– –	– –	– –
			Trillion Btu											
1960	(s)	16.5	3.5	8.2	0.1	25.3	1.2	61.8	0.1	100.2	0.0	116.7	0.0	116.7
1965	(s)	19.4	2.4	10.4	0.2	30.1	1.2	75.8	0.0	120.1	0.0	139.4	0.0	139.4
1970	(s)	25.4	2.2	18.6	0.2	36.4	1.4	110.0	0.0	168.8	0.0	194.1	0.0	194.1
1975	(s)	17.9	1.8	27.7	0.2	38.6	1.6	142.3	0.0	212.2	0.0	230.1	0.0	230.1
1980	0.0	22.3	1.4	37.7	0.3	43.9	2.1	158.1	0.0	243.6	0.0	265.9	0.0	265.9
1985	0.0	19.4	0.9	44.4	0.4	39.4	1.9	187.0	0.0	274.1	0.0	293.4	0.0	293.4
1990	0.0	26.1	1.0	46.2	0.2	47.3	2.2	202.6	0.0	299.5	0.0	325.6	0.0	325.6
1995	0.0	19.3	0.7	64.4	0.2	43.0	2.1	243.1	0.0	353.5	0.0	372.8	0.0	372.8
2000	0.0	21.7	1.0	84.2	0.1	59.2	2.2	291.5	0.0	438.2	0.0	459.9	0.0	459.9
2005	0.0	19.9	0.9	119.0	0.8	45.5	1.9	344.7	0.0	512.8	0.0	532.8	0.0	532.8
2006	0.0	23.0	0.9	125.9	0.9	43.8	1.8	352.8	0.0	526.1	0.0	549.5	0.0	549.5
2007	0.0	23.0	0.7	123.2	0.7	37.5	1.9	354.2	0.0	518.2	0.0	541.7	0.0	541.7
2008	0.0	24.8	0.8	107.9	1.0	38.3	1.7	330.2	0.0	480.0	0.0	505.2	0.0	505.2
2009	0.0	23.4	0.6	106.2	0.8	26.6	1.6	317.1	0.0	452.9	0.0	476.3	0.0	476.3
2010	0.0	17.8	0.9	107.6	0.1	72.4	2.8	314.7	0.0	498.6	0.0	516.4	0.0	516.4
2011	0.0	15.1	1.0	110.6	0.1	74.3	2.8	309.2	0.0	498.0	0.0	513.0	0.0	513.0
2012	0.0	14.4	0.8	105.9	0.1	72.7	2.5	306.1	0.0	488.2	0.0	502.6	0.0	502.6
2013	0.0	14.7	0.7	106.4	0.2	73.5	2.6	312.8	0.0	496.2	0.0	510.9	0.0	510.9
2014	0.0	16.2	1.0	106.3	0.3	74.9	2.7	315.5	0.0	500.7	0.0	516.9	0.0	516.9
2015	0.0	18.2	0.8	109.4	0.5	75.6	3.0	319.4	0.0	508.7	(s)	527.0	(s)	527.0
2016	0.0	16.9	0.8	112.7	0.6	75.3	2.9	330.9	0.0	R 523.2	(s)	540.0	(s)	540.1
2017	0.0	14.9	0.8	113.1	0.5	78.7	R 2.7	332.6	0.0	528.4	(s)	543.3	R (s)	543.4
2018	0.0	14.5	1.0	119.9	0.4	76.2	2.6	339.5	0.0	539.6	(s)	554.1	R (s)	554.2
2019	0.0	18.1	1.0	126.7	0.4	79.1	2.6	342.1	0.0	551.9	(s)	R 570.1	0.1	570.1
2020	0.0	19.0	0.9	127.1	0.3	55.7	2.3	302.7	0.0	489.1	(s)	508.1	0.1	508.2
2021	0.0	19.3	0.8	R 135.5	0.6	72.1	R 2.6	334.0	0.0	R 546.9	(s)	R 566.2	0.1	R 566.3
2022	0.0	18.6	0.9	136.6	0.3	74.6	2.7	332.2	0.0	548.6	(s)	567.3	0.1	567.4

[a] Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other petroleum." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.
[g] There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.
[h] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.
– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, Arizona

Year	Coal	Natural gas [a]	Petroleum				Nuclear electric power	Hydroelectric power [d]	Biomass	Geothermal [f]	Solar [f,g]	Wind [f]	Electricity net imports [h]	Total [f,i]
			Distillate fuel oil [b]	Petroleum coke	Residual fuel oil [c]	Total			Wood and waste [e,f]					
	Thousand short tons	Billion cubic feet	Thousand barrels				Million kilowatthours			Million kilowatthours				
1960	0	53	3	0	41	44	0	2,990	– –	0	NA	NA	-15	– –
1965	333	37	3	0	44	47	0	4,439	– –	0	NA	NA	-29	– –
1970	401	59	1	0	19	20	0	6,141	– –	0	NA	NA	-51	– –
1975	4,259	18	1,653	0	5,756	7,410	0	7,240	– –	0	NA	NA	-14	– –
1980	10,916	50	436	0	1,185	1,622	0	9,820	– –	0	NA	NA	-41	– –
1985	14,448	42	211	0	145	357	1,130	13,972	– –	0	0	0	0	– –
1990	15,758	24	200	0	10	210	20,598	7,418	– –	0	0	0	-2	– –
1995	16,021	22	107	0	12	119	26,985	8,288	– –	0	0	0	336	– –
2000	20,408	96	357	0	46	402	30,381	8,354	– –	0	0	0	47	– –
2005	20,333	217	78	0	1	78	25,807	6,410	– –	0	14	0	-80	– –
2006	20,506	248	131	0	1	132	24,012	6,793	– –	0	13	0	-182	– –
2007	21,189	280	85	0	0	85	26,782	6,598	– –	0	9	0	3	– –
2008	22,658	284	89	0	0	89	29,250	7,286	– –	0	15	0	-263	– –
2009	20,762	262	104	0	0	104	30,662	6,427	– –	0	14	30	-231	– –
2010	23,084	224	117	0	0	117	31,200	6,622	– –	0	16	135	69	– –
2011	23,217	181	96	0	0	96	31,278	9,174	– –	0	81	256	427	– –
2012	21,461	229	76	0	0	76	31,934	6,717	– –	0	951	532	17	– –
2013	23,298	223	81	0	0	81	31,431	5,915	– –	0	2,092	450	7	– –
2014	22,911	206	108	0	0	108	32,321	6,118	– –	0	3,118	468	48	– –
2015	19,812	248	92	0	0	92	32,526	6,536	– –	0	3,435	452	17	– –
2016	16,639	255	98	0	0	98	32,377	7,168	– –	0	3,742	542	130	– –
2017	16,929	224	107	0	0	107	32,340	6,832	– –	0	4,919	570	59	– –
2018	16,814	285	95	0	0	95	31,097	6,982	– –	0	5,127	530	34	– –
2019	12,875	356	124	0	0	124	31,920	6,204	– –	0	5,262	554	-3	– –
2020	8,274	389	79	0	0	79	31,552	6,424	– –	0	5,825	644	-3	– –
2021	8,419	358	85	0	0	85	31,630	5,973	– –	0	6,692	1,600	-3	– –
2022	8,152	339	62	0	0	62	31,943	5,298	– –	0	7,027	1,564	-4	– –
							Trillion Btu							
1960	0.0	55.1	(s)	0.0	0.3	0.3	0.0	R 10.2	0.2	0.0	NA	NA	-0.1	R 65.7
1965	6.9	39.5	(s)	0.0	0.3	0.3	0.0	R 15.1	0.0	0.0	NA	NA	-0.1	R 61.8
1970	8.5	62.4	(s)	0.0	0.1	0.1	0.0	R 21.0	0.0	0.0	NA	NA	-0.2	R 91.8
1975	89.8	18.9	9.6	0.0	36.2	45.8	0.0	R 24.7	0.0	0.0	NA	NA	(s)	R 179.2
1980	231.9	52.5	2.5	0.0	7.5	10.0	0.0	R 33.5	0.0	0.0	NA	NA	-0.1	R 327.8
1985	303.2	44.2	1.2	0.0	0.9	2.1	12.0	R 47.7	0.0	0.0	0.0	0.0	0.0	R 409.2
1990	330.2	25.0	1.2	0.0	0.1	1.2	218.0	R 25.3	0.0	0.0	0.0	0.0	(s)	R 599.7
1995	329.7	22.7	0.6	0.0	0.1	0.7	283.5	R 28.3	0.0	0.0	0.0	0.0	1.1	R 666.0
2000	416.9	97.4	2.1	0.0	0.3	2.4	316.8	R 28.5	0.0	0.0	0.0	0.0	0.2	R 862.2
2005	412.5	222.8	0.5	0.0	(s)	0.5	269.3	R 21.9	0.6	0.0	R (s)	0.0	-0.3	R 927.3
2006	415.7	253.2	0.8	0.0	(s)	0.8	250.6	R 23.2	0.5	0.0	R (s)	0.0	-0.6	R 943.4
2007	423.2	286.3	0.5	0.0	0.0	0.5	280.9	R 22.5	0.2	0.0	R (s)	0.0	(s)	R 1,013.7
2008	445.8	291.6	0.5	0.0	0.0	0.5	305.7	R 24.9	1.7	0.0	0.1	0.0	-0.9	R 1,069.3
2009	404.5	267.7	0.6	0.0	0.0	0.6	320.7	R 21.9	1.7	0.0	R (s)	R 0.1	-0.8	R 1,016.6
2010	447.1	227.9	0.7	0.0	0.0	0.7	326.1	R 22.6	2.0	0.0	R 0.1	R 0.5	0.2	R 1,027.2
2011	449.9	183.9	0.6	0.0	0.0	0.6	327.3	R 31.3	2.4	0.0	R 0.3	R 0.9	1.5	R 997.9
2012	411.9	233.7	0.4	0.0	0.0	0.4	334.6	R 22.9	2.8	0.0	R 3.2	R 1.8	0.1	R 1,011.4
2013	450.5	228.4	0.5	0.0	0.0	0.5	328.4	R 20.2	2.5	0.0	R 7.1	R 1.5	(s)	R 1,039.2
2014	442.7	211.6	0.6	0.0	0.0	0.6	338.0	R 20.9	3.6	0.0	R 10.6	R 1.6	0.2	R 1,029.8
2015	380.4	257.9	0.5	0.0	0.0	0.5	340.2	R 22.3	3.9	0.0	R 11.7	R 1.5	0.1	R 1,018.5
2016	319.8	264.5	0.6	0.0	0.0	0.6	338.6	R 24.5	3.9	0.0	R 12.8	R 1.8	0.4	R 966.9
2017	329.2	232.6	0.6	0.0	0.0	0.6	338.2	R 23.3	3.1	0.0	R 16.8	R 1.9	0.2	R 946.1
2018	325.0	296.5	0.5	0.0	0.0	0.5	325.1	R 23.8	3.5	0.0	R 17.5	R 1.8	0.1	R 993.8
2019	251.2	367.8	0.7	0.0	0.0	0.7	333.3	R 21.2	3.8	0.0	R 18.0	R 1.9	(s)	R 997.8
2020	150.3	399.8	0.5	0.0	0.0	0.5	329.6	R 21.9	3.6	0.0	R 19.9	R 2.2	(s)	R 927.7
2021	153.9	369.4	0.5	0.0	0.0	0.5	R 329.9	R 20.4	3.1	0.0	R 22.8	R 5.5	(s)	R 905.4
2022	148.0	349.0	0.4	0.0	0.0	0.4	333.1	18.1	3.0	0.0	24.0	5.3	(s)	880.9

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[c] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in the total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: · Totals may not equal sum of components due to independent rounding. · The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. · Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. · The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/