

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

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum						Hydro-electric power ^{e,f} Million kWh	Biomass		Geo-thermal ^f	Solar ^{f,i} Million kWh	Electricity ^j Million kWh	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						
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	R 138.8	R 79.3	R 218.1
2020	6.5	19.6	30.4	1.2	9.3	0.0	R 21.5	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/>