

**U T A H** Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2019, Utah

Year	Coal Thousand Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum							Hydro-electric Power <sup>g,h</sup> Million Kilowatt-hours	Biomass		Geo-thermal <sup>h</sup>	Solar <sup>h,k</sup>	Electricity Retail Sales	Net Energy <sup>h,l</sup>	Electrical System Energy Losses <sup>m</sup>	Total <sup>h,l</sup>
			Distillate Fuel Oil <sup>b</sup>	HGL <sup>c</sup>	Jet Fuel <sup>d</sup>	Motor Gasoline <sup>e</sup>	Residual Fuel Oil	Other <sup>f</sup>	Total		Wood and Waste <sup>h,i</sup>	Losses and Co-products <sup>j</sup>			Million Kilowatt-hours			
															Thousand Barrels			
1960	2,935	66	3,764	452	1,003	7,813	3,425	3,584	20,039	(s)	--	--	--	--	3,474	--	--	--
1970	2,590	118	5,098	939	1,808	12,308	2,888	4,632	27,673	3	--	--	--	--	5,225	--	--	--
1980	2,211	110	8,333	1,301	2,637	15,534	3,437	4,615	35,857	0	--	--	--	--	10,705	--	--	--
1990	2,174	116	7,078	1,074	5,281	16,724	367	4,475	34,998	0	--	--	--	--	15,402	--	--	--
2000	2,209	154	10,528	1,804	7,701	23,895	71	5,080	49,078	0	--	--	--	--	23,185	--	--	--
2001	1,842	144	11,126	1,988	6,880	22,993	18	4,898	47,903	0	--	--	--	--	23,217	--	--	--
2002	790	148	11,385	1,280	6,416	24,158	82	4,031	47,354	0	--	--	--	--	23,267	--	--	--
2003	672	140	12,021	716	6,758	24,325	111	6,089	50,020	0	--	--	--	--	23,860	--	--	--
2004	1,544	146	12,204	805	7,137	24,744	171	5,312	50,374	0	--	--	--	--	24,512	--	--	--
2005	1,476	148	13,643	1,473	7,394	24,677	220	5,323	52,729	0	--	--	--	--	25,000	--	--	--
2006	715	158	17,166	1,399	7,560	25,312	243	5,057	56,737	0	--	--	--	--	26,366	--	--	--
2007	934	163	15,872	1,453	7,085	26,054	309	4,703	55,477	0	--	--	--	--	27,785	--	--	--
2008	873	169	14,060	1,351	6,509	25,051	441	4,624	52,035	0	--	--	--	--	28,192	--	--	--
2009	718	164	12,789	1,113	5,751	25,324	130	4,610	49,717	0	--	--	--	--	27,587	--	--	--
2010	717	171	12,626	1,078	R 5,113	24,761	14	5,275	R 48,867	0	--	--	--	--	28,044	--	--	--
2011	598	182	15,360	1,313	R 4,843	25,568	1	5,457	R 52,542	0	--	--	--	--	28,859	--	--	--
2012	588	176	14,707	1,134	R 4,670	25,228	1	5,559	R 51,299	0	--	--	--	--	29,723	--	--	--
2013	645	198	15,272	1,322	R 4,482	26,085	2	5,037	R 52,200	0	--	--	--	--	30,474	--	--	--
2014	614	183	15,128	1,284	R 4,811	26,469	21	R 4,959	R 52,672	0	--	--	--	--	30,043	--	--	--
2015	662	176	14,260	1,090	R 5,385	27,776	4	R 5,065	R 53,580	0	--	--	--	--	30,192	--	--	--
2016	575	180	14,193	1,123	R 6,083	28,535	0	R 5,443	R 55,377	0	--	--	--	--	30,180	--	--	--
2017	485	181	14,978	1,132	R 6,499	28,769	0	R 5,614	R 56,992	0	--	--	--	--	30,589	--	--	--
2018	378	183	15,636	1,330	R 8,795	28,725	3	R 5,311	R 59,800	0	--	--	--	--	31,242	--	--	--
2019	382	196	14,970	1,508	7,555	29,667	0	5,414	59,114	0	--	--	--	--	31,143	--	--	--

**Trillion Btu**

1960	78.1	68.6	21.9	1.7	5.4	41.0	21.5	21.5	113.1	(s)	2.2	NA	NA	NA	11.9	273.9	29.3	303.2
1970	68.0	111.1	29.7	3.6	10.0	64.7	18.2	28.6	154.7	(s)	2.3	NA	NA	NA	17.8	353.9	43.1	397.0
1980	56.2	120.1	48.5	4.7	14.6	81.6	21.6	28.5	199.6	0.0	4.5	NA	NA	NA	36.5	416.8	87.7	504.6
1990	54.9	126.0	41.2	3.9	29.7	87.9	2.3	27.7	192.7	0.0	3.4	0.0	0.4	(s)	52.6	430.0	108.1	538.1
2000	55.4	162.4	61.3	6.5	43.7	124.3	0.4	32.0	268.1	0.0	4.3	0.0	0.5	(s)	79.1	569.9	174.5	744.5
2001	45.4	151.7	64.7	7.3	39.0	119.6	0.1	30.2	261.0	0.0	2.6	0.0	0.6	(s)	79.2	540.6	173.4	714.0
2002	18.3	156.8	66.3	4.7	36.4	125.6	0.5	24.5	258.0	0.0	2.6	0.0	0.6	(s)	79.4	515.7	178.1	693.8
2003	15.6	149.0	70.0	2.7	38.3	126.4	0.7	38.1	276.2	0.0	2.7	0.0	0.5	(s)	81.4	525.5	179.0	704.4
2004	33.0	154.7	71.0	3.1	40.5	128.6	1.1	33.1	277.3	0.0	2.7	0.0	0.6	(s)	83.6	552.0	183.4	735.4
2005	34.1	156.0	79.4	5.5	41.9	128.1	1.4	33.0	289.3	0.0	2.4	0.0	0.7	(s)	85.3	567.8	194.3	762.2
2006	16.6	167.5	99.6	5.2	42.9	131.2	1.5	31.1	311.6	0.0	2.4	0.0	0.7	(s)	90.0	588.8	190.5	779.3
2007	21.3	172.4	91.8	5.4	40.2	134.0	1.9	28.8	302.1	0.0	2.7	0.0	0.7	(s)	94.8	594.1	186.9	781.0
2008	19.8	179.3	81.3	5.1	36.9	127.9	2.8	28.5	282.5	0.0	2.8	0.0	0.8	(s)	96.2	581.6	186.5	768.0
2009	16.1	171.9	73.9	4.2	32.6	128.9	0.8	28.5	268.9	0.0	1.6	0.0	0.8	0.1	94.1	553.4	188.8	742.2
2010	16.5	178.8	72.9	4.1	R 29.0	125.5	0.1	32.6	R 264.2	0.0	1.8	0.0	0.7	0.1	95.7	R 557.9	195.6	R 753.5
2011	13.8	189.2	88.6	5.0	R 27.5	129.5	(s)	33.8	R 284.4	0.0	1.4	0.0	0.8	0.1	98.5	R 588.2	202.4	R 790.7
2012	13.5	183.9	84.8	4.4	R 26.5	127.7	(s)	34.5	R 277.8	0.0	1.2	(s)	0.8	0.2	101.4	R 578.9	207.5	R 786.4
2013	14.7	207.5	88.0	5.1	R 25.4	132.0	(s)	31.0	R 281.5	0.0	1.5	(s)	0.8	0.3	104.0	R 610.4	212.1	R 822.4
2014	13.9	191.2	87.2	4.9	R 27.3	133.9	0.1	R 30.6	R 284.0	0.0	1.5	(s)	0.8	0.4	102.5	R 594.4	200.6	R 795.0
2015	15.1	184.4	82.2	4.2	R 30.5	140.5	(s)	31.2	R 288.6	0.0	3.9	(s)	0.8	0.7	103.0	R 596.5	202.3	R 798.8
2016	13.1	188.6	81.7	4.3	R 34.5	144.2	0.0	34.3	R 299.1	0.0	R 4.2	0.0	0.8	1.4	103.0	R 610.2	R 198.2	R 808.3
2017	11.1	R 188.9	86.2	4.3	R 36.8	145.4	0.0	35.4	R 308.2	0.0	4.0	0.4	0.8	2.7	104.4	R 620.1	208.1	R 828.2
2018	8.7	R 190.6	90.0	5.1	R 49.9	145.2	(s)	33.5	R 323.7	0.0	5.1	0.0	0.8	3.7	106.6	R 639.2	205.9	R 845.1
2019	8.7	205.6	86.2	5.8	42.8	149.9	0.0	34.0	318.8	0.0	5.2	0.0	0.8	4.2	106.3	649.4	205.2	854.6

<sup>a</sup> Includes supplemental gaseous fuels that are commingled with natural gas.

<sup>b</sup> Beginning in 2009, includes biodiesel blended into distillate fuel oil.

<sup>c</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<sup>d</sup> 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."

<sup>e</sup> Beginning in 1993, includes fuel ethanol blended into motor gasoline.

<sup>f</sup> Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

<sup>g</sup> Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.

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

<sup>i</sup> Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

<sup>j</sup> Losses and co-products from the production of biodiesel and fuel ethanol.

<sup>k</sup> Solar thermal and photovoltaic energy.

<sup>l</sup> 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 net energy 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.

<sup>m</sup> 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 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>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.