

Table ET.2. Total End-Use Energy Price and Expenditure Estimates, Selected Years, 1970-2021, United States

Year	Primary Energy												Electricity ^k	Total Energy ^{h,i,j}	
	Coal Coke			Natural Gas ^a	Petroleum						Biomass	Total ^{h,i,j}			
	Coal	Exports	Imports		Distillate Fuel Oil ^b	HGL ^c	Jet Fuel ^d	Motor Gasoline ^e	Residual Fuel Oil	Other ^f	Total				Wood and Waste ^{g,h}
Prices in Dollars per Million Btu															
1970	0.48	1.27	0.93	0.68	1.18	1.45	0.73	2.85	0.44	1.39	1.82	1.35	1.31	4.98	1.65
1975	1.51	2.37	3.47	1.28	2.62	3.02	2.05	4.65	1.86	2.94	3.50	1.55	2.65	8.61	3.33
1980	1.87	2.54	3.19	3.05	6.72	5.78	6.36	9.84	3.60	7.04	7.68	2.26	5.84	13.95	6.89
1985	1.84	2.76	2.99	4.91	7.24	6.82	5.91	9.01	4.33	7.63	7.78	2.51	6.50	19.05	8.38
1990	1.63	3.53	3.80	4.17	7.72	7.00	5.68	9.12	3.07	6.53	7.73	1.58	6.19	19.32	8.29
1995	1.58	2.71	3.43	4.20	7.03	6.67	4.00	9.24	2.41	6.11	7.44	1.47	5.96	20.29	8.31
2000	1.50	3.64	2.66	5.97	9.94	9.79	6.64	11.91	4.48	7.75	10.09	1.83	8.29	20.03	10.33
2005	2.46	3.39	8.92	10.64	16.49	14.95	12.86	17.98	6.51	11.41	15.90	3.30	13.69	23.92	15.57
2006	2.71	3.19	6.31	10.92	18.66	17.32	14.80	20.40	7.87	13.95	18.21	3.27	15.40	26.15	17.40
2007	2.81	3.66	7.84	10.40	20.05	19.31	16.01	22.34	8.44	15.59	19.89	3.37	16.37	26.84	18.34
2008	3.39	4.33	18.76	11.68	26.52	23.92	22.56	26.09	12.44	20.09	24.72	4.07	19.84	28.62	21.53
2009	3.71	4.17	10.82	9.12	17.16	16.76	12.61	18.97	9.81	17.23	17.43	3.75	14.42	28.90	17.26
2010	3.92	6.74	13.37	8.54	21.05	19.10	16.32	22.64	11.67	21.35	20.98	3.86	16.47	28.92	18.92
2011	4.53	8.75	15.71	8.21	27.08	22.82	22.64	28.59	15.37	26.38	26.67	4.19	20.07	29.12	21.87
2012	4.59	8.65	13.64	7.28	27.99	17.10	23.04	29.42	16.97	26.24	26.92	4.00	20.05	28.98	21.84
2013	4.10	8.91	8.55	7.57	27.64	16.54	22.12	28.61	16.16	26.62	26.28	4.21	19.43	29.64	21.42
2014	3.75	9.94	4.73	8.33	26.76	R 17.68	20.63	27.49	14.58	26.32	25.53	4.63	19.07	30.74	21.33
2015	3.54	9.28	5.90	7.14	18.64	R 10.69	12.12	20.22	8.92	20.25	18.03	3.86	14.09	30.66	17.31
2016	3.18	8.75	5.78	6.55	15.85	R 10.18	9.83	18.04	6.70	17.58	15.77	3.51	12.49	30.26	15.95
2017	3.40	9.32	7.11	7.19	18.29	12.71	12.09	20.26	8.83	18.71	17.96	3.58	14.12	30.88	17.32
2018	3.56	10.53	10.66	7.11	21.88	R 14.18	15.72	22.52	11.74	22.07	20.61	R 3.64	R 15.69	31.02	18.61
2019	3.92	11.29	12.34	6.98	20.93	R 10.95	14.61	21.61	11.25	21.84	19.44	R 3.67	14.92	31.05	17.96
2020	3.55	10.56	10.22	R 6.75	17.18	9.17	R 9.79	18.01	7.81	18.91	16.03	R 2.90	R 12.46	31.19	16.25
2021	3.50	10.10	10.80	8.30	22.48	15.18	14.51	24.80	11.93	23.28	21.87	3.57	16.92	32.66	19.99

Expenditures in Million Dollars															
1970	2,393	78	4	9,741	6,173	2,395	1,441	31,596	1,249	4,166	47,021	450	59,530	23,345	82,875
1975	5,843	75	156	17,639	15,222	5,224	4,150	59,446	4,532	8,491	97,064	546	121,174	50,680	171,854
1980	6,157	130	52	42,705	39,893	10,929	13,856	124,408	11,127	26,035	226,248	1,224	276,255	98,095	374,350
1985	5,431	77	43	62,119	43,470	13,755	14,747	118,048	7,262	22,263	219,546	1,585	289,111	149,233	438,343
1990	4,748	50	72	57,469	48,794	13,845	17,784	126,558	4,879	21,408	233,268	1,889	297,961	176,691	474,652
1995	4,160	91	325	66,251	47,083	16,197	12,526	136,647	3,211	19,978	235,641	2,461	308,747	205,876	514,624
2000	3,535	103	249	94,990	77,009	27,970	23,781	192,153	5,308	28,374	354,595	2,867	456,133	231,577	687,711
2005	5,060	147	780	150,548	142,282	38,874	44,679	312,047	7,942	42,912	588,736	4,965	749,943	295,787	1,045,730
2006	5,371	128	636	146,374	163,345	45,355	50,007	357,286	9,504	52,054	677,552	5,053	834,858	323,962	1,158,821
2007	5,447	131	478	146,962	175,783	51,081	53,754	389,282	10,566	54,667	735,133	5,054	892,944	340,925	1,233,869
2008	6,352	210	1,676	168,530	219,381	59,610	72,046	438,237	14,709	62,029	866,011	5,947	1,048,305	360,454	1,408,759
2009	5,447	135	93	125,401	130,174	43,052	36,354	317,082	9,658	44,646	580,967	4,321	716,093	350,435	1,066,528
2010	6,648	245	403	122,312	166,859	54,862	48,346	376,491	12,461	54,542	R 713,561	5,686	R 848,365	365,913	1,214,277
2011	7,377	210	552	118,510	220,538	R 64,039	66,773	462,435	14,755	63,327	891,866	6,364	1,024,458	368,009	R 1,392,468
2012	7,150	209	384	100,466	219,526	R 49,258	66,845	473,216	13,041	58,550	880,435	6,086	R 994,312	360,863	R 1,355,175
2013	6,509	186	29	114,638	220,922	R 52,281	65,668	467,328	10,524	59,745	R 876,469	6,874	R 1,004,334	372,068	R 1,376,402
2014	5,879	233	9	131,984	225,011	R 54,049	62,745	452,821	7,188	58,515	R 860,329	7,590	R 1,005,558	389,872	R 1,395,430
2015	4,993	197	20	107,674	155,237	R 34,298	38,820	342,578	4,448	46,040	R 621,420	6,193	R 740,103	388,344	R 1,128,447
2016	3,907	217	33	97,544	128,551	R 32,307	32,928	310,961	4,544	39,279	R 548,570	5,480	R 655,317	383,567	R 1,038,884
2017	4,134	280	10	109,566	150,118	R 41,474	42,095	348,456	6,330	41,821	R 630,294	5,433	R 749,157	387,222	R 1,136,379
2018	4,256	301	31	118,750	188,857	R 52,807	55,549	387,586	7,616	47,856	R 740,071	R 5,775	R 868,582	403,349	R 1,271,931
2019	4,439	271	35	116,516	179,394	R 42,561	R 52,706	370,930	6,435	46,754	R 698,780	R 5,710	R 825,210	398,774	R 1,223,984
2020	3,382	179	41	R 105,910	136,259	R 36,226	R 21,863	268,098	3,325	37,677	R 503,448	R 4,249	R 616,852	390,934	R 1,007,785
2021	3,683	521	31	132,655	192,409	64,146	41,143	403,022	7,915	48,023	756,658	5,288	897,794	419,304	1,317,098

^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. Beginning in 2021, includes biodiesel and renewable diesel 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 Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
^h There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of the use of wood and biomass

waste beginning in 1989.
ⁱ There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
^j For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
^k Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Where shown, R = Revised data.
Notes: Price estimates are weighted averages of price estimates, and expenditure estimates are the sum of expenditure estimates for the residential, commercial, industrial, and transportation sectors. Expenditure totals may not equal sum of components due to independent rounding.
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/>