

Table ET2. Total End-Use Energy Price and Expenditure Estimates, Selected Years, 1970-2018, United States

Year	Primary Energy												Electricity Retail Sales	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
2001	1.59	3.27	3.04	7.49	9.26	9.77	5.72	11.36	4.24	7.10	9.60	2.27	8.48	21.41	10.78
2002	1.69	3.25	3.04	5.97	8.69	8.30	5.33	10.71	3.99	7.37	9.05	2.33	7.71	21.15	10.10
2003	1.67	3.88	3.49	7.65	10.09	10.57	6.46	12.36	5.04	8.19	10.56	2.06	9.17	21.85	11.44
2004	1.92	3.28	7.23	8.64	12.30	12.56	8.93	14.72	5.19	9.11	12.60	2.34	10.86	22.38	12.90
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	17.14	17.43	3.75	14.41	28.90	17.26
2010	3.92	6.74	13.37	8.54	21.05	19.10	16.28	22.64	11.67	21.27	20.97	3.86	16.46	28.92	18.92
2011	4.53	8.75	15.71	8.21	27.08	27.08	22.60	28.59	15.37	26.31	26.66	4.19	20.06	29.12	21.86
2012	4.59	8.65	13.64	7.28	27.99	17.12	23.00	29.42	16.97	26.16	26.91	4.00	20.04	28.98	21.83
2013	4.10	8.91	8.55	7.57	27.64	16.54	22.09	28.61	16.16	26.55	26.27	4.21	19.42	29.64	21.42
2014	3.75	9.94	4.73	8.33	26.76	17.67	20.52	27.49	14.58	26.25	25.52	4.63	19.06	30.74	21.33
2015	3.54	9.28	5.90	7.14	18.64	10.69	12.05	20.22	8.92	20.17	18.02	3.86	14.08	30.66	17.30
2016	3.18	8.75	5.78	6.55	15.85	10.16	9.74	18.04	6.70	17.50	15.76	3.51	12.48	30.26	15.94
2017	3.40	9.32	7.11	7.19	18.29	12.73	12.04	20.26	8.83	18.64	17.95	3.57	14.11	30.88	17.32
2018	3.56	10.53	10.66	7.12	21.88	14.14	15.69	22.52	11.74	21.99	20.60	3.63	15.70	31.02	18.62

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
2001	3,636	109	191	110,770	73,984	25,543	19,602	185,752	3,475	24,862	333,218	3,055	450,759	245,483	696,242
2002	3,590	64	244	90,697	68,559	22,980	17,802	179,796	3,657	25,729	318,523	3,376	416,366	247,598	663,964
2003	3,570	70	239	115,983	82,514	28,168	21,096	209,493	4,441	28,707	374,419	2,938	497,078	257,992	755,070
2004	4,154	147	1,232	129,410	104,845	34,408	30,219	254,873	5,693	35,277	465,315	3,074	603,077	268,133	871,210
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	1,048,905	360,454	1,408,759
2009	5,447	135	93	125,401	130,174	43,052	36,354	317,082	9,658	44,410	580,731	4,321	715,858	350,435	1,066,293
2010	6,648	245	403	122,312	166,859	54,931	48,243	376,491	12,461	54,345	713,329	5,686	848,133	365,913	1,214,045
2011	7,377	210	552	118,510	220,538	63,532	66,680	462,435	14,755	63,170	891,110	6,364	1,023,702	368,009	1,391,711
2012	7,150	209	384	100,466	219,526	49,421	66,736	473,216	13,041	58,355	880,294	6,086	994,171	360,863	1,355,033
2013	6,509	186	29	114,638	220,922	52,280	65,564	467,328	10,524	59,590	876,208	6,874	1,004,074	372,068	1,376,142
2014	5,879	233	9	131,984	225,011	54,029	62,421	452,821	7,188	58,354	859,824	7,590	1,005,054	389,872	1,394,926
2015	4,993	197	20	107,674	155,237	34,335	38,596	342,578	4,448	45,848	621,041	6,193	739,723	388,344	1,128,068
2016	3,907	217	33	97,544	128,551	32,172	32,639	310,961	4,544	39,101	547,966	5,472	654,706	383,567	1,038,272
2017	4,134	280	10	109,578	150,118	41,635	41,904	348,456	6,330	41,664	630,107	5,417	748,967	387,222	1,136,189
2018	4,256	300	31	118,542	188,857	52,308	55,424	387,586	7,616	47,673	739,464	5,645	867,637	403,427	1,271,064

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

^b Beginning in 2009, includes biodiesel blended into distillate fuel oil.

^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.

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>.

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