

Table ET1. Primary Energy, Electricity, and Total Energy Price and Expenditure Estimates, Selected Years, 1970-2021, United States

Year	Primary Energy															Electric Power Sector ^{k,l}	Electricity ^m	Total Energy ^{h,j}	
	Coal			Coal Coke		Natural Gas ^a	Petroleum						Nuclear Fuel	Biomass	Total ^{h,i,j,k}				
	Coking Coal	Steam Coal	Total	Exports	Imports		Distillate Fuel Oil ^b	HGL ^c	Jet Fuel ^d	Motor Gasoline ^e	Residual Fuel Oil	Other ^f							Total
Prices in Dollars per Million Btu																			
1970	0.45	0.36	0.38	1.27	0.93	0.59	1.16	1.45	0.73	2.85	0.42	1.38	1.72	0.18	1.34	1.08	0.32	4.98	1.65
1975	1.65	0.90	1.03	2.37	3.47	1.18	2.60	3.02	2.05	4.65	1.93	2.94	3.35	0.24	1.55	2.19	0.97	8.61	3.33
1980	2.10	1.38	1.46	2.54	3.19	2.86	6.70	5.78	6.36	9.84	3.88	7.04	7.41	0.43	2.26	4.58	1.77	13.95	6.89
1985	2.03	1.66	1.68	2.76	2.99	4.61	7.22	6.82	5.91	9.01	4.30	7.62	7.65	0.71	2.47	4.93	1.91	19.05	8.38
1990	1.79	1.47	1.48	3.53	3.80	3.82	7.68	7.00	5.68	9.12	3.17	6.48	7.56	0.67	1.32	4.49	1.48	19.32	8.29
1995	1.76	1.34	1.36	2.71	3.43	3.73	6.98	6.67	4.00	9.24	2.46	5.98	7.33	0.54	1.40	4.24	1.29	20.29	8.31
2000	1.67	1.22	1.24	3.64	2.66	5.61	9.87	9.79	6.64	11.91	4.32	7.55	9.90	0.46	1.57	5.72	1.71	20.03	10.33
2005	3.19	1.57	1.61	3.39	8.92	9.92	16.43	14.95	12.86	17.98	6.65	10.81	15.58	0.43	3.10	9.24	2.61	23.92	15.57
2006	3.54	1.72	1.77	3.19	6.31	9.62	18.62	17.32	14.80	20.40	7.93	13.30	18.02	0.44	3.12	10.23	2.48	26.15	17.40
2007	3.64	1.82	1.87	3.66	7.84	9.31	20.01	19.31	16.01	22.34	8.57	14.97	19.69	0.46	3.34	10.79	2.68	26.84	18.34
2008	4.49	2.14	2.20	4.33	18.76	10.83	26.48	23.92	22.56	26.09	12.61	19.26	24.55	0.47	3.72	13.01	3.21	28.62	21.53
2009	5.43	2.25	2.32	4.17	10.82	7.67	17.13	16.76	12.61	18.97	9.68	16.47	17.32	0.56	3.38	9.50	2.45	28.90	17.26
2010	5.84	2.32	2.41	6.74	13.37	7.37	21.00	19.10	16.32	22.64	11.77	20.37	20.85	0.64	3.56	10.77	2.63	28.92	18.92
2011	6.89	2.43	2.55	8.75	15.71	7.03	27.04	22.82	22.64	28.59	15.68	25.10	26.55	0.68	3.85	12.99	2.65	29.12	21.87
2012	6.59	2.45	2.59	8.65	13.64	5.74	27.97	17.10	23.04	29.42	17.31	25.37	26.83	0.74	3.62	12.87	2.41	28.98	21.84
2013	5.43	2.41	2.51	8.91	8.55	6.44	27.61	16.54	22.12	28.61	16.52	25.34	26.17	0.79	3.77	12.75	2.62	29.64	21.42
2014	4.61	2.42	2.49	9.94	4.73	7.20	26.72	R 17.68	20.63	27.49	15.06	25.08	25.42	0.75	4.16	12.67	2.80	30.74	21.33
2015	4.16	2.28	2.35	9.28	5.90	5.61	18.60	R 10.69	12.12	20.22	8.99	19.38	17.95	0.72	3.55	9.49	2.28	30.66	17.31
2016	3.56	2.18	2.23	8.75	5.78	5.06	15.81	R 10.18	9.83	18.04	6.83	16.77	15.70	0.70	3.27	8.49	2.09	30.26	15.95
2017	4.11	2.12	2.19	9.32	7.11	5.72	18.26	12.71	12.09	20.26	8.95	18.01	17.89	0.73	3.28	9.68	2.21	30.88	17.32
2018	4.40	2.12	2.21	10.53	10.66	5.71	21.83	R 14.18	15.72	22.52	11.84	21.19	20.54	0.70	3.28	10.76	2.33	31.02	18.61
2019	5.01	2.11	2.24	11.29	12.34	5.29	20.90	R 10.95	14.61	21.61	11.33	21.15	R 19.39	0.66	3.36	R 10.29	2.08	31.05	17.96
2020	4.43	2.02	2.13	10.56	10.22	4.87	17.15	9.17	R 9.79	18.01	7.94	18.18	15.97	0.63	2.64	8.51	1.84	31.19	16.25
2021	4.17	2.11	2.21	10.10	10.80	6.97	22.44	15.18	14.51	24.80	12.05	22.45	21.80	0.69	3.29	11.89	3.00	32.66	19.99

Expenditures in Million Dollars																			
1970	1,175	3,455	4,630	78	4	10,891	6,253	2,395	1,441	31,596	2,046	4,172	47,904	44	452	63,887	-4,357	23,345	82,875
1975	3,692	9,329	13,021	75	156	20,061	15,680	5,224	4,193	59,446	10,374	8,493	103,409	448	548	137,719	-16,545	50,680	171,854
1980	3,753	18,853	22,607	130	52	51,061	40,797	10,929	13,923	124,408	21,573	26,049	237,679	1,189	1,232	314,282	-38,027	98,095	374,350
1985	2,228	27,259	29,487	77	43	72,938	43,972	13,755	14,747	118,048	11,493	22,272	224,288	2,878	1,597	333,080	-43,970	149,233	438,343
1990	1,862	26,557	28,419	50	72	65,278	49,335	13,845	17,784	126,558	8,721	21,433	237,677	4,104	1,997	338,588	-40,626	176,691	474,652
1995	1,558	25,740	27,298	91	325	75,020	47,532	16,197	12,526	136,647	4,676	20,035	237,613	3,810	2,938	347,820	-39,073	205,876	514,624
2000	1,327	26,632	27,959	103	249	119,094	78,208	27,970	23,781	192,153	8,870	28,421	359,403	3,628	3,174	516,187	-60,053	231,577	687,711
2005	1,964	34,779	36,742	147	780	200,355	143,596	38,874	44,679	312,047	13,951	43,138	596,287	3,469	5,894	845,859	-95,916	295,787	1,045,730
2006	2,132	37,662	39,794	128	636	190,589	164,395	45,355	50,007	357,286	12,432	52,309	681,785	3,637	6,096	924,932	-90,074	323,962	1,158,821
2007	2,175	40,345	42,520	131	478	196,957	177,162	51,081	53,754	389,282	14,129	54,917	740,325	3,871	6,407	993,627	-100,683	340,925	1,233,869
2008	2,606	46,646	49,253	210	1,676	230,465	220,936	59,610	72,046	438,237	17,949	62,304	871,081	3,976	7,038	1,166,835	-118,530	360,454	1,408,759
2009	2,192	43,450	45,642	135	93	159,364	131,104	43,052	36,354	317,082	11,284	44,859	583,735	4,680	5,371	800,907	-84,813	350,435	1,066,528
2010	3,239	47,006	50,245	245	403	161,303	168,183	54,862	48,346	376,491	14,382	54,833	717,097	5,414	6,893	943,156	-94,791	365,913	1,214,277
2011	3,885	46,348	50,233	210	552	155,944	221,972	R 64,039	66,773	462,435	16,517	63,731	R 895,466	5,621	7,525	R 1,117,187	-92,729	368,009	R 1,392,468
2012	3,916	41,049	44,964	209	384	132,830	220,770	R 49,258	66,845	473,216	14,635	58,766	R 883,490	5,965	7,132	R 1,076,480	-82,168	360,863	R 1,355,175
2013	3,346	41,914	45,260	186	29	151,672	222,206	R 52,281	65,668	467,328	12,034	59,982	R 879,499	6,523	7,935	R 1,093,446	-89,112	372,068	R 1,376,402
2014	2,796	42,077	44,873	233	9	174,398	226,833	R 54,049	62,745	452,821	8,861	58,726	R 864,035	6,252	9,032	R 1,101,386	-95,827	389,872	R 1,395,430
2015	2,340	34,238	36,578	197	20	140,294	156,260	R 34,298	38,820	342,578	5,328	46,228	R 623,512	5,975	7,554	R 816,465	-76,352	388,344	R 1,128,447
2016	1,678	30,017	31,694	217	33	127,618	129,161	R 32,307	32,928	310,961	5,112	39,456	R 549,925	5,857	6,753	R 723,831	-68,514	383,567	R 1,038,884
2017	2,069	28,257	30,326	280	10	142,072	150,860	R 41,474	42,095	348,456	7,005	42,018	R 631,907	6,135	6,643	R 818,871	-69,714	387,222	R 1,136,379
2018	2,306	26,922	29,227	301	31	R 157,762	190,165	R 52,607	55,549	387,586	8,606	48,096	R 742,609	5,916	R 6,841	R 944,221	R 75,640	403,349	R 1,271,931
2019	2,578	22,809	25,387	271	35	R 150,288	180,226	R 42,561	R 52,706	370,930	7,151	46,894	R 700,469	5,592	R 6,732	R 890,086	R -64,876	398,774	R 1,223,984
2020	1,830	17,719	19,550	179	41	R 134,923	136,746	R 36,226	R 21,863	268,098	3,798	37,817	R 504,548	5,195	R 5,002	R 670,837	R -53,985	390,934	R 1,007,785
2021	2,103	21,193	23,296	521	31	192,418	193,360	64,146	41,143	403,022	8,687	48,276	758,634	5,593	6,276	988,051	-90,257	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 imports are included in total primary energy and electric power sector but are not shown separately.
^l Expenditures for fuels purchased for electric power generation, included in the expenditure columns for the primary energy sources, are shown as negative expenditures because they need to be removed from total energy expenditures, to avoid double-counting.
^m Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Where shown, R = Revised data.
 Note: 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/>

Table ET2. 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/>

Table ET3. Residential Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, United States

Year	Primary Energy								Electricity ^f	Total Energy ^e
	Coal ^a	Natural Gas ^b	Petroleum				Biomass	Total ^e		
			Distillate Fuel Oil	HGL ^c	Kerosene	Total	Wood ^d			
Prices in Dollars per Million Btu										
1970	1.14	1.06	1.39	2.05	1.54	1.54	0.66	1.22	6.51	2.10
1975	2.45	1.67	2.74	3.96	3.14	3.02	1.31	2.11	10.29	3.80
1980	2.90	3.60	7.02	7.82	8.32	7.24	3.10	4.51	15.71	7.46
1985	3.26	5.94	7.93	8.98	7.90	8.14	3.71	6.37	21.66	10.91
1990	3.01	5.63	8.01	10.79	7.46	8.69	3.59	6.23	22.96	11.87
1995	2.58	5.89	6.53	10.02	5.74	7.49	2.88	6.11	24.63	12.60
2000	2.24	7.63	9.93	13.39	9.13	11.12	4.32	8.32	24.14	14.21
2005	3.46	12.34	15.54	19.13	14.76	16.77	6.96	13.16	27.68	19.16
2006	3.51	13.35	17.96	21.43	18.59	19.26	8.02	14.42	30.49	21.49
2007	3.50	12.70	19.76	23.31	21.27	21.19	8.86	14.27	31.22	21.57
2008	—	13.52	24.53	27.52	25.59	25.80	10.92	15.93	33.01	23.08
2009	—	11.81	18.29	23.56	22.00	20.87	8.17	13.36	33.73	22.04
2010	—	11.13	21.58	25.65	24.44	23.58	9.64	13.31	33.81	22.37
2011	—	10.78	25.94	28.25	28.49	27.08	11.59	13.59	34.34	22.81
2012	—	10.38	28.88	25.91	30.19	27.57	12.90	13.32	34.82	23.39
2013	—	10.01	28.29	25.30	30.19	26.86	12.63	12.71	35.54	22.59
2014	—	10.60	27.58	30.05	30.67	28.79	12.32	13.55	36.69	23.35
2015	—	9.96	19.01	22.75	16.81	20.64	8.42	11.69	37.08	22.93
2016	—	9.63	16.24	21.56	13.39	18.80	7.34	10.99	36.78	22.92
2017	—	10.47	18.17	25.15	16.74	21.61	8.22	12.11	37.77	23.77
2018	—	10.08	20.10	25.93	24.33	23.02	9.05	12.09	37.71	23.29
2019	—	10.07	19.34	22.72	22.74	21.20	8.79	11.81	38.14	23.13
2020	—	10.33	15.99	20.59	15.37	18.47	7.26	11.47	38.55	23.80
2021	—	11.69	19.20	26.81	23.05	23.05	8.72	13.41	40.03	25.45

Expenditures in Million Dollars										
1970	236	5,272	2,603	1,124	459	4,186	68	9,761	10,352	20,112
1975	153	8,410	4,954	2,030	504	7,488	143	16,194	20,644	36,838
1980	90	17,497	9,234	2,436	887	12,557	678	30,822	38,458	69,280
1985	127	27,136	8,667	2,825	1,252	12,745	944	40,951	58,672	99,623
1990	93	25,439	7,839	3,805	477	12,121	878	38,531	72,378	110,909
1995	45	29,362	5,903	3,960	426	10,289	657	40,352	87,610	127,961
2000	24	38,959	8,980	7,440	864	17,283	824	57,090	98,209	155,299
2005	29	61,196	13,261	9,822	1,237	24,320	1,248	86,793	128,393	215,186
2006	22	59,834	12,738	9,559	1,233	23,531	1,275	84,661	140,582	225,244
2007	27	61,598	14,247	11,287	934	26,468	1,557	89,650	148,295	237,944
2008	—	67,851	18,393	15,231	544	34,168	2,146	104,164	155,496	259,661
2009	—	57,841	10,640	12,904	609	24,154	1,730	83,724	157,044	240,767
2010	—	54,396	12,109	13,589	711	26,409	2,188	82,994	166,778	249,772
2011	—	51,940	13,543	13,915	528	27,986	2,551	82,477	166,714	249,191
2012	—	44,131	13,914	10,251	234	24,398	2,374	70,904	163,280	234,184
2013	—	50,446	13,875	11,726	249	25,850	3,034	79,329	169,131	248,460
2014	—	55,735	14,675	14,708	422	29,805	2,994	88,534	176,178	264,712
2015	—	47,762	10,459	10,142	170	20,770	1,889	70,421	177,624	248,045
2016	—	43,572	7,039	9,268	183	16,490	1,411	61,473	177,077	238,550
2017	—	48,104	7,836	10,830	141	18,807	1,538	68,449	177,661	246,110
2018	—	52,411	10,177	13,134	201	23,512	2,057	77,980	189,033	267,013
2019	—	52,694	9,082	12,802	245	22,128	2,075	76,897	187,436	264,333
2020	—	^R 50,344	6,513	10,189	167	16,869	^R 1,382	68,595	192,663	261,258
2021	—	57,456	9,088	12,981	217	22,286	1,664	81,407	200,834	282,241

^a Beginning in 2008, consumption 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 are no direct fuel costs for geothermal or solar energy.

^f Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

Where shown, R = Revised data, — = No consumption.

Note: 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/>

Table ET4. Commercial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, United States

Year	Primary Energy										Electricity ⁱ	Total Energy ^{f,g,h}
	Coal	Natural Gas ^a	Petroleum					Total ^d	Biomass	Total ^{f,g,h}		
			Distillate Fuel Oil	HGL ^b	Kerosene	Motor Gasoline ^c	Residual Fuel Oil					
Prices in Dollars per Million Btu												
1970	0.44	0.75	1.10	1.24	0.77	2.86	0.45	0.90	0.66	0.80	6.09	1.97
1975	1.31	1.32	2.42	2.53	2.32	4.66	1.91	2.39	1.31	1.68	10.11	4.06
1980	1.53	3.32	6.45	4.96	6.46	9.77	4.12	5.62	3.10	4.01	16.06	7.83
1985	1.73	5.34	6.33	8.84	8.18	9.01	4.50	6.46	3.71	5.53	21.30	11.63
1990	1.61	4.70	5.97	8.77	7.31	9.15	3.41	6.04	3.02	4.93	21.20	11.87
1995	1.54	4.94	4.70	8.89	5.55	9.42	3.14	5.14	2.25	4.85	22.29	12.62
2000	1.43	6.54	7.49	11.93	8.87	11.96	4.49	8.27	2.99	6.73	21.52	13.90
2005	2.16	10.98	13.64	16.92	14.96	17.95	7.48	13.56	4.67	11.17	25.40	18.59
2006	2.32	11.60	15.80	18.87	18.73	20.33	8.69	15.95	4.73	12.11	27.72	20.63
2007	2.36	10.99	17.37	20.74	21.13	22.27	9.71	17.61	5.59	11.86	28.27	20.74
2008	3.75	11.89	24.04	24.61	25.61	26.02	13.18	23.15	6.58	13.50	30.06	22.28
2009	4.25	9.70	14.78	19.49	21.92	18.87	9.90	15.61	4.76	10.50	29.77	20.67
2010	3.73	9.20	18.47	21.62	24.43	22.46	12.90	18.97	5.43	10.65	29.87	20.92
2011	3.99	8.79	24.69	25.30	28.40	28.44	17.34	24.48	5.94	11.17	30.00	21.18
2012	4.39	8.03	25.34	19.50	30.06	29.13	18.40	23.80	5.47	10.37	29.57	21.01
2013	4.18	8.06	24.79	19.70	30.05	28.37	17.41	23.34	5.56	10.07	30.07	20.64
2014	4.03	8.80	23.16	21.30	30.65	27.05	15.79	22.91	5.64	10.61	31.48	21.43
2015	4.19	7.80	14.26	12.66	16.85	20.50	8.86	16.61	4.25	9.51	31.18	20.72
2016	4.67	7.20	11.80	12.04	13.43	18.27	6.80	14.65	3.47	8.62	30.58	20.17
2017	5.06	7.80	14.03	15.76	16.82	20.53	8.94	17.10	3.74	9.55	31.25	20.86
2018	5.17	7.70	17.57	16.80	24.61	22.87	11.63	19.63	4.11	9.86	31.27	20.66
2019	5.40	7.55	16.22	13.59	22.84	22.07	11.40	18.12	4.56	9.50	31.29	20.40
2020	6.00	7.47	11.03	12.35	15.52	18.56	8.85	14.62	3.80	8.84	31.04	20.13
2021	5.93	8.74	17.41	19.77	23.12	25.35	13.11	21.17	4.35	11.23	32.87	22.15
Expenditures in Million Dollars												
1970	72	1,844	646	177	47	247	323	1,440	1	3,358	7,319	10,678
1975	191	3,385	1,423	329	114	415	939	3,219	3	6,799	16,157	22,956
1980	179	8,858	3,337	438	262	1,046	2,325	7,409	17	16,463	30,611	47,074
1985	238	13,368	3,995	842	268	866	1,025	6,996	22	20,628	50,092	70,719
1990	200	12,681	3,199	898	87	1,018	785	5,986	104	18,976	60,627	79,602
1995	179	15,383	2,250	967	123	170	445	3,956	106	19,623	72,481	92,104
2000	123	21,339	3,672	1,796	263	532	411	6,674	155	28,291	85,129	113,420
2005	207	33,838	6,098	2,226	323	817	866	10,331	259	44,635	110,522	155,157
2006	149	33,736	6,314	2,327	284	984	654	10,563	264	44,712	122,914	167,626
2007	166	34,005	6,620	2,522	194	1,342	732	11,410	308	45,889	128,903	174,793
2008	302	38,476	9,230	3,893	114	1,164	936	15,336	393	54,507	137,036	191,543
2009	311	31,012	5,837	2,709	93	978	705	10,323	288	41,934	132,747	174,681
2010	259	29,184	7,223	3,027	118	1,164	796	12,327	337	42,108	135,554	177,662
2011	246	28,370	9,657	3,605	91	1,252	932	15,537	394	44,548	135,927	180,474
2012	192	23,843	8,988	2,643	36	1,125	578	13,370	391	37,796	133,898	171,695
2013	173	27,318	8,500	2,986	31	1,131	425	13,074	431	40,996	137,188	178,184
2014	163	31,538	8,242	3,418	63	1,456	125	13,304	461	45,467	145,253	190,720
2015	130	25,933	5,125	1,875	23	7,709	35	14,768	358	41,189	144,781	185,970
2016	112	23,278	3,838	1,806	28	6,847	30	12,549	303	36,242	142,642	178,885
2017	105	25,662	4,517	2,454	20	7,408	34	14,433	324	40,524	144,242	184,766
2018	97	28,147	5,663	2,956	33	8,379	36	17,068	355	45,667	147,425	193,092
2019	90	27,644	5,295	2,474	42	8,144	27	15,983	359	44,076	145,280	189,355
2020	87	^R 24,681	3,041	2,483	26	6,889	21	12,461	^R 289	^R 37,518	136,372	^R 173,891
2021	87	29,999	5,711	4,290	33	9,495	41	19,571	337	49,994	149,008	199,002

^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 the expenditure series between 2014 and 2015 because of changes in consumption estimates from the source. See Consumption Technical Notes, Section 4.
^d Includes small amounts of petroleum coke not shown separately.
^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 the use of wood and biomass waste beginning in 1989.

^g There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
^h For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
ⁱ Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Where shown, R = Revised data.
 Notes: Expenditure 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.
 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 ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, United States

Year	Primary Energy														Electricity ⁱ	Total Energy ^{f,g,h}
	Coal			Coal Coke		Natural Gas ^a	Petroleum					Biomass	Total ^{f,g,h}			
	Coking Coal	Steam Coal	Total	Exports	Imports		Distillate Fuel Oil	HGL ^b	Motor Gasoline ^c	Residual Fuel Oil	Other ^d	Total		Wood and Waste ^{e,f}		
														Wood and Waste ^{e,f}		
Prices in Dollars per Million Btu																
1970	0.45	0.44	0.45	1.27	0.93	0.38	0.72	1.14	2.86	0.46	1.13	0.98	1.66	0.62	2.99	0.84
1975	1.65	1.28	1.50	2.37	3.47	0.95	2.23	2.64	4.65	1.91	2.64	2.48	1.67	1.68	6.07	2.21
1980	2.10	1.56	1.87	2.54	3.19	2.52	5.54	5.40	9.82	3.69	6.59	5.79	1.67	3.78	10.81	4.72
1985	2.03	1.70	1.83	2.76	2.99	3.87	6.26	6.22	9.07	4.24	6.90	6.40	1.67	4.47	14.57	6.06
1990	1.79	1.52	1.62	3.53	3.80	2.95	5.90	5.95	9.15	3.10	5.64	5.73	0.99	3.66	13.92	5.30
1995	1.76	1.48	1.58	2.71	3.43	2.80	4.87	5.81	9.19	2.75	5.21	5.34	1.21	3.42	13.68	5.01
2000	1.67	1.41	1.50	3.64	2.66	4.60	7.66	8.68	11.90	4.22	6.83	7.57	1.43	5.12	13.60	6.50
2005	3.19	2.14	2.47	3.39	8.92	9.08	14.27	13.62	17.93	6.98	10.20	12.07	2.73	9.14	16.77	10.42
2006	3.54	2.34	2.72	3.19	6.31	8.77	16.44	16.26	20.34	8.16	12.49	14.47	2.65	10.10	18.02	11.42
2007	3.64	2.43	2.82	3.66	7.84	8.29	18.01	18.20	22.34	9.26	13.96	16.14	2.51	10.60	18.71	11.98
2008	4.49	2.85	3.38	4.33	18.76	10.06	24.68	22.60	26.02	12.97	18.26	20.93	2.83	13.27	20.34	14.51
2009	5.43	2.97	3.69	4.17	10.82	6.46	14.77	14.45	18.90	9.25	15.08	14.85	2.62	9.46	20.05	11.37
2010	5.84	2.94	3.93	6.74	13.37	6.17	18.55	17.35	22.72	11.94	18.78	18.26	2.67	10.52	19.89	12.14
2011	6.89	3.24	4.55	8.75	15.71	5.96	24.83	21.41	28.66	16.02	23.39	23.03	2.77	12.32	20.02	13.67
2012	6.59	3.30	4.59	8.65	13.64	4.91	25.38	15.46	29.55	17.48	23.13	20.81	2.63	10.91	19.60	12.42
2013	5.43	3.22	4.10	8.91	8.55	5.46	24.83	14.74	28.72	17.40	23.57	20.37	2.59	10.94	20.26	12.52
2014	4.61	3.17	3.74	9.94	4.73	6.36	23.49	14.89	27.58	16.41	23.06	20.03	3.14	11.05	20.86	12.72
2015	4.16	3.09	3.53	9.28	5.90	4.86	14.93	8.49	20.40	9.87	16.54	12.95	3.04	7.75	20.33	9.88
2016	3.56	2.88	3.15	8.75	5.78	4.27	12.37	R 8.15	18.14	7.39	13.94	11.31	2.94	6.81	19.91	9.01
2017	4.11	2.83	3.37	9.32	7.11	4.83	14.89	R 10.50	20.36	9.81	15.32	13.35	2.87	7.89	20.23	9.95
2018	4.40	2.84	3.53	10.53	10.66	4.85	18.00	R 12.02	22.68	11.17	18.56	15.58	R 2.64	R 8.78	20.35	R 10.66
2019	5.01	2.94	3.89	11.29	12.34	4.60	16.70	8.65	21.85	11.12	18.26	13.53	R 2.64	R 7.93	20.04	R 9.91
2020	4.43	2.79	3.51	10.56	10.22	R 4.09	11.97	7.22	18.33	8.23	15.36	10.80	R 2.15	6.60	19.62	8.73
2021	4.17	2.80	3.47	10.10	10.80	5.89	17.43	13.27	25.14	12.41	19.61	16.18	2.71	9.76	21.05	11.61

Expenditures in Million Dollars																
1970	1,175	907	2,082	78	4	2,625	866	1,046	824	635	2,698	6,069	381	11,081	5,624	16,706
1975	3,692	1,806	5,498	75	156	5,844	2,907	2,760	1,039	2,367	6,470	15,544	400	27,367	13,760	41,127
1980	3,753	2,135	5,888	130	52	16,350	7,232	7,967	1,553	4,175	21,837	42,765	529	65,453	28,863	94,316
1985	2,228	2,838	5,066	77	43	21,615	6,977	9,804	1,978	2,815	17,396	38,970	619	66,246	40,190	106,436
1990	1,862	2,593	4,455	50	72	19,348	6,773	8,916	1,695	1,070	16,798	35,252	906	59,993	43,358	103,350
1995	1,558	2,379	3,936	91	325	21,487	5,473	11,061	1,836	778	15,446	34,594	1,699	61,951	45,402	107,353
2000	1,327	2,061	3,389	103	249	34,624	9,158	18,555	1,785	867	22,692	53,058	1,888	93,104	47,859	140,963
2005	1,964	2,861	4,824	147	780	55,299	17,945	26,248	6,354	1,867	35,366	87,780	3,458	151,995	56,229	208,225
2006	2,132	3,068	5,200	128	636	52,570	20,647	32,858	7,608	1,849	43,322	106,283	3,514	168,076	59,764	227,840
2007	2,175	3,078	5,253	131	478	51,126	22,573	36,735	6,739	1,700	45,612	113,358	3,190	173,275	62,934	236,209
2008	2,606	3,444	6,050	210	1,676	61,877	33,201	39,333	6,367	2,408	52,810	134,118	3,408	206,920	67,102	274,022
2009	2,192	2,945	5,136	135	93	36,304	15,810	26,802	4,490	1,134	36,280	84,516	2,303	128,218	59,816	188,034
2010	3,239	3,150	6,389	245	403	38,533	21,331	R 38,128	5,895	1,365	43,931	R 110,650	3,160	R 158,891	62,767	R 221,657
2011	3,885	3,246	7,131	210	552	37,972	30,583	R 46,383	7,287	2,086	51,534	R 137,873	3,418	R 186,735	64,566	R 251,301
2012	3,916	3,042	6,958	209	384	32,173	32,153	R 36,262	7,457	1,164	47,685	R 124,721	3,320	R 167,347	62,937	R 230,284
2013	3,346	2,990	6,336	186	29	36,513	31,311	R 37,429	7,542	793	48,781	R 125,855	3,410	R 171,957	64,944	R 236,901
2014	2,796	2,920	5,716	233	9	44,291	31,997	R 35,736	5,793	634	46,939	R 121,099	4,135	R 175,017	67,630	R 242,647
2015	2,340	2,523	4,863	197	20	33,579	17,377	R 22,132	5,260	310	34,366	R 79,445	3,946	R 121,656	65,169	R 186,825
2016	1,678	2,117	3,795	217	33	30,300	14,239	R 21,062	4,753	375	28,472	R 68,901	3,766	R 106,577	63,126	R 169,703
2017	2,069	1,960	4,029	280	10	35,344	17,866	R 27,953	5,382	475	31,606	R 83,281	3,571	R 125,956	64,590	R 190,547
2018	2,306	1,853	4,159	301	31	37,727	22,469	R 36,260	6,111	466	37,103	R 102,409	R 3,363	R 147,388	66,147	R 213,535
2019	2,578	1,771	4,349	271	35	35,674	20,065	R 27,072	5,824	453	36,029	R 89,443	R 3,276	R 132,507	65,321	R 197,828
2020	1,830	1,465	3,296	179	41	R 30,458	12,735	R 23,417	4,933	262	28,322	R 69,668	R 2,577	R 105,861	61,250	R 167,111
2021	2,103	1,493	3,597	521	31	44,615	20,626	46,634	6,642	566	37,479	111,948	3,286	162,956	68,816	231,772

^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 the expenditure series between 2014 and 2015 because of changes in consumption estimates from the source. See Consumption 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 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 the use of wood and biomass waste beginning in 1989.

^g There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.
^h For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
ⁱ Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
 Where shown, R = Revised data.
 Notes: Expenditure 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.
 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 ET6. Transportation Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, United States

Year	Primary Energy										Electricity ^g	Total Energy ^f	
	Coal	Natural Gas ^a	Petroleum							Total ^f			
			Aviation Gasoline	Distillate Fuel Oil ^b	HGL ^c	Jet Fuel ^d	Lubricants	Motor Gasoline ^e	Residual Fuel Oil				
Prices in Dollars per Million Btu													
1970	0.41	—	2.17	1.31	1.10	0.73	5.08	2.85	0.38	2.31	2.31	4.65	2.31
1975	1.26	—	3.45	2.80	2.43	2.05	7.48	4.64	1.72	4.02	4.02	11.72	4.02
1980	—	—	9.02	7.19	4.97	6.36	14.36	9.84	3.31	8.60	8.60	14.71	8.61
1985	—	—	9.99	7.52	9.61	5.91	18.18	9.01	4.36	8.26	8.26	19.74	8.27
1990	—	3.29	9.32	8.46	9.89	5.68	20.61	9.12	2.98	8.32	8.32	20.26	8.33
1995	—	3.91	8.36	7.98	11.78	4.00	21.75	9.24	2.18	8.11	8.11	22.63	8.12
2000	—	5.21	10.87	10.70	15.06	6.64	23.20	11.91	4.54	10.76	10.76	20.71	10.77
2005	—	9.16	18.56	17.30	20.50	12.86	35.22	17.98	6.22	16.92	16.92	25.12	16.92
2006	—	9.61	22.31	19.35	22.22	14.80	43.88	20.41	7.73	19.20	19.20	27.96	19.20
2007	—	9.19	23.70	20.64	24.46	16.01	47.16	22.34	8.19	20.83	20.82	28.42	20.83
2008	—	12.21	27.23	27.37	28.70	22.56	55.12	26.09	12.28	25.62	25.61	31.39	25.62
2009	—	8.71	20.32	17.68	22.70	12.61	56.07	18.97	9.89	17.89	17.88	31.25	17.90
2010	—	6.77	25.19	21.66	25.80	16.32	58.80	22.64	11.55	21.54	21.53	30.95	21.54
2011	—	7.42	31.64	27.79	29.52	22.64	69.54	28.59	15.12	27.56	27.53	30.67	27.54
2012	—	10.39	33.04	28.66	22.57	23.04	72.11	29.42	16.85	28.41	28.39	29.93	28.39
2013	—	11.73	32.71	28.35	23.03	22.12	69.42	28.61	16.01	27.75	27.73	30.93	27.73
2014	—	11.54	33.16	27.62	24.56	20.63	69.44	27.49	14.40	26.74	26.72	30.62	26.72
2015	—	9.77	24.86	19.55	14.90	12.12	67.28	20.21	8.85	19.17	19.15	29.57	19.16
2016	—	9.06	21.62	16.68	14.53	9.83	65.78	18.03	6.64	16.71	16.70	28.22	16.71
2017	—	9.11	24.13	19.18	19.11	12.09	67.25	20.25	8.76	18.92	18.91	28.38	18.91
2018	—	8.90	27.04	22.97	20.32	15.72	72.37	22.51	11.78	21.76	21.74	28.43	21.74
2019	—	9.15	25.57	22.06	17.08	14.61	74.92	21.59	11.26	20.84	20.82	28.32	20.83
2020	—	8.39	22.34	18.43	15.81	R 9.79	75.34	17.99	7.77	17.44	17.42	29.02	17.43
2021	—	10.34	28.86	23.88	24.64	14.51	81.25	24.78	11.88	23.38	23.35	29.90	23.36

Expenditures in Million Dollars													
1970	3	—	218	2,058	49	1,441	745	30,525	291	35,327	35,330	49	35,379
1975	1	—	245	5,938	105	4,150	1,158	57,992	1,226	70,813	70,814	119	70,933
1980	—	—	580	20,090	88	13,856	2,468	121,809	4,626	163,517	163,517	163	163,680
1985	—	—	503	23,830	284	14,747	2,844	115,205	3,422	160,835	161,285	279	161,564
1990	—	1	419	30,982	227	17,784	3,628	123,845	3,025	179,910	180,462	328	180,790
1995	—	18	331	33,457	209	12,526	3,652	134,641	1,988	186,803	186,822	384	187,206
2000	—	68	394	55,199	179	23,781	4,161	189,836	4,029	277,580	277,648	380	278,028
2005	—	215	656	104,978	579	44,679	5,329	304,875	5,208	466,305	466,520	643	467,163
2006	—	234	746	123,646	611	50,007	6,468	348,695	7,002	537,175	537,409	702	538,111
2007	—	233	749	132,343	538	53,754	7,178	381,201	8,135	583,897	584,130	792	584,923
2008	—	326	770	158,556	1,154	58,556	7,791	430,705	11,366	682,388	682,714	820	683,534
2009	—	243	540	97,887	637	36,354	7,125	311,613	7,819	461,974	462,218	828	463,046
2010	—	199	681	126,196	R 118	48,346	9,100	369,432	10,300	R 564,174	R 564,372	814	R 565,187
2011	—	227	856	166,755	R 136	66,773	10,318	453,895	11,737	R 710,471	R 710,698	803	R 711,501
2012	—	319	830	164,471	R 102	66,845	9,765	464,635	11,299	R 717,946	R 718,265	747	R 719,012
2013	—	362	731	167,237	R 140	65,668	9,952	458,655	9,306	R 711,690	R 712,052	805	R 712,857
2014	—	420	720	170,097	R 187	62,745	10,371	445,572	6,429	R 696,121	R 696,541	810	R 697,351
2015	—	399	526	122,276	R 149	38,820	10,955	329,609	4,103	R 506,437	R 506,837	771	R 507,607
2016	—	395	443	103,434	R 172	32,928	10,154	299,361	4,139	R 450,629	R 451,025	722	R 451,746
2017	—	455	505	119,900	R 237	42,095	9,548	335,666	5,821	R 513,773	R 514,228	728	R 514,957
2018	—	465	606	150,548	R 256	55,549	9,914	373,095	7,114	R 597,082	R 597,547	744	R 598,291
2019	—	R 504	598	144,952	R 213	R 52,706	9,840	356,962	5,956	R 571,226	R 571,730	737	R 572,467
2020	—	R 427	451	113,970	R 137	R 21,863	8,710	256,276	3,043	R 404,450	R 404,877	648	R 405,525
2021	—	584	622	156,984	241	41,143	9,672	386,884	7,307	602,853	603,437	646	604,083

^a Transportation use of natural gas as vehicle fuel only.

^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, 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."

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

^f For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.

^g 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.

Where shown, R = Revised data.

— = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.

Note: 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/>

Table ET7. Electric Power Sector Price and Expenditure Estimates, Selected Years, 1970-2021, United States

Year	Coal	Natural Gas ^a	Petroleum				Nuclear Fuel	Biomass	Electricity Imports ^c	Total Energy ^d
			Distillate Fuel Oil	Petroleum Coke	Residual Fuel Oil	Total		Wood and Waste ^b		
Prices in Dollars per Million Btu										
1970	0.31	0.28	0.57	0.29	0.41	0.42	0.18	0.65	1.92	0.32
1975	0.82	0.75	2.22	0.53	1.99	2.00	0.24	0.92	3.89	0.97
1980	1.35	2.20	5.75	2.61	4.25	4.34	0.43	1.74	6.94	1.77
1985	1.65	3.43	5.89	1.27	4.24	4.35	0.71	0.79	9.34	1.91
1990	1.46	2.34	5.61	0.82	3.30	3.42	0.67	0.34	8.37	1.48
1995	1.32	2.03	4.16	0.70	2.59	2.61	0.54	1.13	6.21	1.29
2000	1.21	4.53	6.87	0.48	4.09	4.20	0.46	0.68	16.78	1.71
2005	1.53	8.25	11.48	0.98	6.86	6.18	0.43	2.31	16.53	2.61
2006	1.68	6.92	14.31	1.26	8.12	6.65	0.44	2.56	17.32	2.48
2007	1.78	7.11	15.56	1.54	8.98	8.01	0.46	3.22	18.25	2.68
2008	2.09	9.04	21.44	1.88	13.48	11.04	0.47	2.53	18.28	3.21
2009	2.21	4.82	13.37	1.62	8.98	7.24	0.56	2.40	12.10	2.45
2010	2.28	5.16	16.63	2.13	12.47	9.55	0.64	2.63	13.31	2.63
2011	2.38	4.84	22.56	2.92	18.93	12.20	0.68	2.66	11.53	2.65
2012	2.39	3.48	23.76	2.54	20.78	14.26	0.74	2.31	9.51	2.41
2013	2.36	4.41	23.20	1.93	19.56	11.88	0.79	2.26	11.49	2.62
2014	2.37	5.06	22.20	1.79	17.59	12.55	0.75	2.72	13.31	2.80
2015	2.23	3.28	14.57	1.68	9.37	7.58	0.72	2.59	10.54	2.28
2016	2.14	2.91	11.15	1.49	8.04	5.56	0.70	2.52	8.74	2.09
2017	2.08	3.39	13.59	2.02	10.26	7.41	0.73	2.37	9.18	2.21
2018	2.07	3.56	16.27	2.37	12.64	9.75	0.70	2.15	10.74	2.33
2019	2.06	2.89	15.48	1.85	12.18	8.96	0.66	2.28	9.20	2.08
2020	1.96	^R 2.41	11.02	1.60	8.97	5.97	0.63	1.76	8.38	1.84
2021	2.07	5.15	15.93	2.87	13.48	9.64	0.69	2.32	12.82	3.00
Expenditures in Million Dollars										
1970	2,237	1,151	80	6	797	882	44	2	40	4,357
1975	7,178	2,422	502	1	5,842	6,345	448	2	150	16,545
1980	16,450	8,357	972	14	10,446	11,432	1,189	8	592	38,027
1985	24,056	10,819	502	9	4,232	4,742	2,878	11	1,463	43,970
1990	23,671	7,809	541	25	3,841	4,408	4,104	108	527	40,626
1995	23,138	8,769	449	57	1,465	1,971	3,810	476	908	39,073
2000	24,424	24,104	1,199	47	3,562	4,808	3,628	307	2,783	60,053
2005	31,682	49,807	1,314	227	6,010	7,551	3,469	929	2,478	95,916
2006	34,423	44,216	1,050	255	2,927	4,233	3,637	1,043	2,523	90,074
2007	37,073	49,995	1,379	250	3,562	5,192	3,871	1,352	3,200	100,683
2008	42,900	61,936	1,555	275	3,240	5,070	3,976	1,091	3,556	118,530
2009	40,195	33,964	930	213	1,626	2,769	4,680	1,050	2,155	84,813
2010	43,596	38,991	1,325	290	1,921	3,536	5,414	1,207	2,047	94,791
2011	42,856	37,434	1,434	404	1,761	3,600	5,621	1,161	2,057	92,729
2012	37,815	32,363	1,244	216	1,594	3,055	5,965	1,047	1,923	82,168
2013	38,751	37,033	1,283	237	1,510	3,030	6,523	1,061	2,714	89,112
2014	38,993	42,414	1,821	211	1,673	3,706	6,252	1,442	3,020	95,827
2015	31,585	32,620	1,024	188	880	2,091	5,975	1,361	2,719	76,352
2016	27,787	30,073	611	177	568	1,356	5,857	1,273	2,168	68,514
2017	26,192	32,506	742	197	675	1,613	6,135	1,210	2,058	69,714
2018	24,971	^R 39,013	1,308	240	989	2,538	5,916	1,066	2,135	^R 75,640
2019	20,948	^R 33,772	832	140	716	1,689	5,592	1,021	1,854	^R 64,876
2020	16,167	^R 29,013	487	140	473	1,100	5,195	753	1,757	^R 53,985
2021	19,612	59,762	951	253	772	1,976	5,593	988	2,325	90,257

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

^b Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

^c Electricity imported from Canada and Mexico.

^d There are no direct fuel costs for hydroelectric, geothermal, solar, or wind energy.

Where shown, ^R = Revised data.

Notes: Expenditure 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.

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/>