

Table ET1. Primary Energy, Electricity, and Total Energy Price and Expenditure Estimates, Selected Years, 1970-2018, United States

Year	Primary Energy																	Electric Power Sector ^{i,k,l}	Electricity Retail Sales	Total Energy ^{h,i,j}
	Coal			Coal Coke		Natural Gas ^a	Petroleum						Nuclear Fuel	Biomass						
	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	Wood and Waste ^{g,h}	Total ^{h,i,j,k}				
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	
2001	1.74	1.27	1.28	3.27	3.04	6.87	9.19	9.77	5.72	11.36	3.99	6.93	9.40	0.44	2.08	5.86	1.85	21.41	10.78	
2002	1.94	1.28	1.30	3.25	3.04	5.31	8.64	8.30	5.33	10.71	3.91	7.04	8.90	0.43	2.19	5.28	1.54	21.15	10.10	
2003	1.93	1.29	1.31	3.88	3.49	7.08	10.03	10.57	6.46	12.36	4.75	7.83	10.36	0.42	1.98	6.29	1.84	21.85	11.44	
2004	2.31	1.38	1.41	3.28	7.23	7.91	12.25	12.56	8.93	14.72	4.92	8.68	12.34	0.42	2.17	7.39	2.00	22.38	12.90	
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	16.39	17.31	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	16.28	22.64	11.77	20.30	20.84	0.64	3.56	10.76	2.63	28.92	18.92	
2011	6.89	2.43	2.55	8.75	15.71	7.03	27.04	22.74	22.60	28.59	15.68	25.04	26.53	0.68	3.85	12.99	2.65	29.12	21.86	
2012	6.59	2.45	2.59	8.65	13.64	5.74	27.97	17.12	23.00	29.42	17.31	25.29	26.83	0.74	3.62	12.86	2.41	28.98	21.83	
2013	5.43	2.41	2.51	8.91	8.55	6.44	27.61	16.54	22.09	28.61	16.52	25.27	26.16	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	17.67	20.52	27.49	15.06	25.02	25.40	0.75	4.16	12.66	2.80	30.74	21.33	
2015	4.16	2.28	2.35	9.28	5.90	5.61	18.60	10.69	12.05	20.22	8.99	19.30	17.94	0.72	3.55	9.49	2.28	30.66	17.30	
2016	3.56	2.18	2.23	8.75	5.78	5.06	15.81	10.16	9.74	18.04	6.83	16.70	15.68	0.70	3.26	8.49	2.09	30.26	15.94	
2017	4.11	2.12	2.19	9.32	7.11	5.72	18.26	12.73	12.04	20.26	8.95	17.94	17.88	0.73	3.27	9.67	2.21	30.88	17.32	
2018	4.40	2.12	2.21	10.53	10.66	5.71	21.83	14.14	15.69	22.52	11.84	21.11	20.52	0.70	3.28	10.76	2.33	31.02	18.62	

Year	Expenditures in Million Dollars																		
	Coal	Coal Coke	Natural Gas ^a	Distillate Fuel Oil ^b	HGL ^c	Jet Fuel ^d	Motor Gasoline ^e	Residual Fuel Oil	Other ^f	Total	Nuclear Fuel	Biomass	Total ^{h,i,j,k}	Electric Power Sector ^{i,k,l}	Electricity Retail Sales	Total Energy ^{h,i,j}			
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
2001	1,247	26,849	28,095	109	191	139,388	75,033	25,543	19,602	185,752	7,266	24,962	338,159	3,524	3,494	515,431	-64,671	245,483	696,242
2002	1,258	27,143	28,401	64	244	111,536	69,284	22,980	17,802	179,796	6,156	25,828	321,846	3,504	4,005	470,595	-54,229	247,598	663,964
2003	1,283	27,971	29,254	70	239	144,489	83,613	28,168	21,096	209,493	8,325	28,813	379,508	3,363	3,599	561,750	-64,702	257,992	755,070
2004	1,499	30,128	31,627	107	1,232	162,843	105,770	34,408	30,219	254,873	9,717	35,444	470,430	3,445	3,692	674,778	-71,701	268,133	871,210
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	1,045,700
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	44,624	583,500	4,680	5,371	800,671	-84,813	350,435	1,066,293
2010	3,239	47,006	50,245	245	403	161,303	168,183	54,931	48,243	376,491	14,382	54,635	716,865	5,414	6,893	942,924	-94,791	365,913	1,214,045
2011	3,885	46,348	50,233	210	552	155,944	221,972	63,532	66,680	462,435	16,517	63,574	894,709	5,621	7,525	1,116,431	-92,729	368,009	1,391,711
2012	3,916	41,049	44,964	209	384	132,830	220,770	70,421	66,736	473,216	14,635	58,571	883,349	5,965	7,132	1,076,339	-82,168	360,863	1,355,033
2013	3,346	41,914	45,260	186	29	151,672	222,206	52,280	65,564	467,328	12,034	59,826	879,239	6,523	7,935	1,093,186	-89,112	372,068	1,376,142
2014	2,796	42,077	44,873	233	9	174,398	226,833	54,029	62,421	452,821	8,861	58,565	863,530	6,252	9,032	1,100,881	-95,827	389,872	1,394,926
2015	2,340	34,238	36,578	197	20	140,294	156,260	34,335	38,596	342,578	5,328	46,036	623,132	5,975	7,554	816,076	-76,352	388,344	1,128,068
2016	1,678	30,017	31,694	217	33	127,618	129,161	32,172	32,639	310,961	5,112	39,277	549,322	5,857	6,745	723,127	-68,421	383,567	1,038,272
2017	2,069	28,257	30,326	280	10	142,084	150,860	41,635	41,904	348,456	7,005	41,861	631,720	6,135	6,627	818,681	-69,714	387,222	1,136,189
2018	2,306	26,924	29,230	300	31	157,533	190,165	52,308	55,424	387,586	8,606	47,913	742,002	5,916	6,711	943,258	-75,621	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.
^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.
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>.
Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.

UNITED STATES 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.

Table ET3. Residential Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2018, United States

Year	Primary Energy								Electricity Retail Sales	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
2001	2.93	9.42	9.49	14.67	8.81	11.23	4.22	9.70	25.16	15.62
2002	2.59	7.69	8.61	12.38	8.26	9.99	3.83	8.09	24.75	14.65
2003	2.46	9.24	10.33	14.65	9.83	11.83	4.60	9.69	25.56	15.79
2004	3.03	10.47	11.74	16.54	11.33	13.33	5.22	10.96	26.22	17.02
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	R 12.12	37.77	23.77
2018	—	10.07	20.10	25.93	24.33	23.02	9.05	12.09	37.71	23.30
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
2001	32	46,189	8,610	7,721	837	17,169	694	64,083	103,158	167,241
2002	31	38,490	7,393	6,661	495	14,549	639	53,709	106,834	160,542
2003	30	48,278	9,618	7,984	691	18,294	807	67,409	111,249	178,658
2004	35	52,265	10,830	8,474	961	20,264	940	73,503	115,577	189,080
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	R 1,404	R 61,465	177,077	R 238,542
2017	—	R 48,092	7,836	10,830	141	18,807	R 1,522	R 68,421	177,661	R 246,082
2018	—	52,391	10,177	13,134	201	23,512	2,027	77,930	189,033	266,963

^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.

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

Table ET4. Commercial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2018, United States

Year	Primary Energy									Electricity Retail Sales	Total Energy ^{f,g,h}	
	Coal	Natural Gas ^a	Petroleum					Biomass	Total ^{f,g,h}			
			Distillate Fuel Oil	HGL ^b	Kerosene	Motor Gasoline ^c	Residual Fuel Oil					Total ^d
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
2001	1.55	8.32	6.70	12.90	8.38	11.52	4.06	7.89	3.22	8.03	22.99	15.54
2002	1.60	6.49	6.22	10.53	8.14	10.83	4.08	7.15	2.81	6.46	22.81	14.66
2003	1.55	8.07	7.63	12.50	9.80	12.28	5.30	8.60	3.48	7.99	23.54	15.61
2004	1.78	9.19	9.59	14.48	11.41	14.49	5.26	10.17	3.54	9.12	23.95	16.55
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

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	4,123	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
2001	136	25,879	3,404	1,844	263	430	284	6,225	145	32,386	93,402	125,788
2002	141	20,926	2,758	1,485	130	488	326	5,187	146	26,399	93,763	120,162
2003	129	26,411	3,779	1,964	183	735	589	7,249	188	33,976	96,263	130,240
2004	183	29,518	4,506	2,203	234	645	644	8,233	209	38,142	100,546	138,688
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	25,660	4,517	2,454	20	7,408	34	14,433	324	40,523	144,242	184,764
2018	97	28,152	5,663	2,956	33	8,379	36	17,068	355	45,673	147,426	193,099

^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.

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>.

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

Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2018, United States

Year	Primary Energy														Electricity Retail Sales	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}		
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
2001	1.74	1.50	1.58	3.27	3.04	5.71	7.01	8.16	11.35	3.85	6.09	7.02	1.95	5.45	14.78	6.96
2002	1.94	1.58	1.69	3.25	3.04	4.48	6.33	7.04	10.71	3.87	6.34	6.68	2.11	4.87	14.30	6.37
2003	1.93	1.54	1.67	3.88	3.49	6.20	7.63	9.22	12.30	4.83	7.14	7.99	1.63	6.05	14.97	7.53
2004	2.31	1.75	1.92	3.28	7.23	7.02	10.07	11.27	14.64	4.95	8.10	9.55	1.79	7.19	15.38	8.51
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	14.99	14.77	2.62	9.44	20.05	11.35
2010	5.84	2.94	3.93	6.74	13.37	6.17	18.55	17.34	22.72	11.94	18.70	18.22	2.67	10.50	19.89	12.13
2011	6.89	3.24	4.55	8.75	15.71	5.96	24.83	21.28	28.66	16.02	23.32	22.96	2.77	12.28	20.02	13.64
2012	6.59	3.30	4.59	8.65	13.64	4.91	25.38	15.48	29.55	17.48	23.04	20.79	2.63	10.91	19.60	12.41
2013	5.43	3.22	4.10	8.91	8.55	5.46	24.83	14.73	28.72	17.40	23.50	20.34	2.59	10.93	20.26	12.51
2014	4.61	3.17	3.74	9.94	4.73	6.36	23.49	R 14.89	27.58	16.41	22.98	20.00	3.14	11.04	20.86	12.71
2015	4.16	3.09	3.53	9.28	5.90	4.86	14.93	R 8.51	20.40	9.87	16.45	R 12.92	3.04	7.74	20.33	9.87
2016	3.56	2.88	3.15	8.75	5.78	4.27	12.37	8.13	18.14	7.39	13.85	11.28	R 2.94	6.79	19.91	R 9.00
2017	4.11	2.83	3.37	9.32	7.11	4.83	14.89	10.54	20.36	9.81	15.25	13.34	R 2.87	R 7.89	20.23	R 9.94
2018	4.40	2.84	3.53	10.53	10.66	4.85	18.00	11.98	22.68	11.17	18.47	15.53	2.63	8.78	20.36	10.67
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
2001	1,247	2,220	3,467	109	191	38,596	9,055	15,757	3,343	629	19,349	48,133	2,216	92,495	48,519	141,013
2002	1,258	2,160	3,418	64	244	31,199	7,586	14,627	3,302	619	20,407	46,541	2,592	83,930	46,606	130,535
2003	1,283	2,128	3,411	70	239	41,168	8,879	17,928	3,978	966	23,113	54,863	1,943	101,555	49,962	151,517
2004	1,499	2,437	3,936	107	1,232	47,463	12,167	23,385	5,431	1,163	29,029	71,176	1,926	125,626	51,491	177,117
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	32,858	7,608	1,849	43,322	106,283	3,514	3,458	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	36,044	R 84,280	2,303	127,982	59,816	R 187,798
2010	3,239	3,150	6,389	245	403	38,533	21,331	R 38,122	5,895	1,365	43,734	R 110,447	3,160	R 158,687	62,767	R 221,454
2011	3,885	3,246	7,131	210	552	37,972	30,583	R 45,797	7,287	2,086	51,377	R 137,130	3,418	R 185,993	64,566	R 250,559
2012	3,916	3,042	6,958	209	384	32,173	32,153	R 36,367	7,457	1,164	47,490	R 124,631	3,320	R 167,256	62,937	R 230,193
2013	3,346	2,990	6,336	186	29	36,513	31,311	R 37,409	7,542	793	48,625	R 125,679	3,410	R 171,781	64,944	R 236,725
2014	2,796	2,920	5,716	233	9	44,291	31,997	R 35,728	5,793	634	46,778	R 120,929	4,135	R 174,847	67,630	R 242,477
2015	2,340	2,523	4,863	197	20	33,579	17,377	R 22,220	5,260	310	34,174	R 79,340	3,946	R 121,552	65,169	R 186,720
2016	1,678	2,117	3,795	217	33	30,300	14,239	R 20,994	4,753	375	28,293	R 68,654	R 3,766	R 106,330	63,126	R 169,456
2017	2,069	1,960	4,029	280	10	R 35,370	17,866	28,214	5,382	475	31,449	83,385	R 3,571	R 126,087	64,590	R 190,677
2018	2,306	1,853	4,159	300	31	37,534	22,469	36,061	6,111	466	36,916	102,024	3,262	146,710	66,224	212,934

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

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S** Table ET6. Transportation Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2018, United States

Year	Primary Energy										Electricity Retail Sales	Total Energy ^e	
	Coal	Natural Gas	Petroleum							Total ^e			
			Aviation Gasoline	Distillate Fuel Oil ^a	HGL ^b	Jet Fuel ^c	Lubricants	Motor Gasoline ^d	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
2001	—	7.09	11.01	10.01	16.06	5.72	24.51	11.36	4.38	10.25	10.25	21.59	10.26
2002	—	5.34	10.72	9.43	14.45	5.33	26.70	10.71	4.01	9.68	9.68	21.02	9.69
2003	—	6.68	12.42	10.79	16.29	6.46	28.94	12.36	5.06	11.23	11.23	22.05	11.24
2004	—	7.78	15.13	13.05	18.10	8.93	30.11	14.72	5.26	13.47	13.46	21.05	13.47
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	R 18.97	9.89	R 17.89	R 17.88	31.25	17.90
2010	—	6.77	25.19	21.66	25.83	16.28	58.80	22.64	11.55	21.54	21.52	30.95	21.53
2011	—	7.42	31.64	27.79	29.56	22.60	69.54	28.59	15.12	27.55	27.53	30.67	27.53
2012	—	10.39	33.04	28.66	22.57	23.00	72.11	29.42	16.85	28.41	28.38	29.93	28.39
2013	—	11.73	32.71	28.35	23.07	22.09	69.42	28.61	16.01	27.74	27.72	30.93	27.73
2014	—	11.54	33.16	27.62	24.59	20.52	69.44	27.49	14.40	26.73	26.70	30.62	26.71
2015	—	9.77	24.86	19.55	14.92	12.05	67.28	20.21	8.85	19.16	19.14	29.57	19.15
2016	—	9.06	21.62	16.68	14.56	9.74	65.78	18.03	6.64	16.70	16.69	28.22	16.70
2017	—	R 9.11	24.13	19.18	19.10	12.04	67.25	20.25	8.76	18.92	18.90	28.38	18.91
2018	—	8.90	27.04	22.97	20.30	15.69	72.37	22.51	11.78	21.76	21.73	28.43	21.74
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
2001	—	106	385	52,914	221	19,602	4,028	181,979	2,562	261,690	261,796	404	262,200
2002	—	82	361	50,822	207	17,802	4,336	176,006	2,712	252,247	252,329	397	252,725
2003	—	126	375	60,238	291	21,096	4,345	204,781	2,887	294,013	294,139	518	294,656
2004	—	164	473	77,341	346	30,219	4,580	248,796	3,886	365,642	365,806	519	366,325
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	72,046	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	192	48,243	9,100	369,432	10,300	564,145	564,344	814	565,158
2011	—	227	856	166,755	214	66,680	10,318	453,895	11,737	710,457	710,684	803	711,487
2012	—	319	830	164,471	R 161	66,736	9,765	464,635	11,299	R 717,895	R 718,214	747	R 718,962
2013	—	362	731	167,237	R 160	65,564	9,952	458,655	9,306	R 711,605	R 711,968	805	R 712,772
2014	—	420	720	170,097	R 176	62,421	10,371	445,572	6,429	R 695,786	R 696,206	810	R 697,017
2015	—	399	526	122,276	R 98	38,596	10,954	329,609	4,103	R 506,162	506,561	771	R 507,332
2016	—	395	443	103,434	R 103	32,639	10,154	299,361	4,139	R 450,273	R 450,668	722	R 451,390
2017	—	R 455	505	119,900	R 137	41,904	9,548	335,666	5,821	R 513,482	R 513,937	728	R 514,665
2018	—	465	606	150,548	156	55,424	9,917	373,095	7,114	596,860	597,325	744	598,069

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

^b Hydrocarbon gas liquids, assumed to be propane only.

^c 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."

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

^e 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.

— = 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>.

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

Table ET7. Electric Power Sector Price and Expenditure Estimates, Selected Years, 1970-2018, 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
2001	1.25	5.21	6.16	0.97	3.78	3.87	0.44	1.30	20.47	1.85
2002	1.25	3.60	5.69	0.57	3.79	3.46	0.43	1.66	8.94	1.54
2003	1.27	5.42	6.84	0.61	4.47	4.22	0.42	1.69	13.21	1.84
2004	1.35	5.96	8.33	0.79	4.58	4.26	0.42	1.61	13.84	2.00
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	^R 2.52	8.74	2.09
2017	2.08	^R 3.39	13.59	2.02	10.26	7.41	0.73	^R 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
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
2001	24,460	28,618	1,049	100	3,792	4,941	3,524	439	2,689	64,671
2002	24,811	20,839	725	99	2,499	3,323	3,504	629	1,122	54,229
2003	25,684	28,506	1,099	106	3,884	5,089	3,363	661	1,370	64,672
2004	27,474	33,433	926	167	4,023	5,116	3,445	618	1,615	71,701
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	^R 1,273	2,075	^R 68,421
2017	26,192	^R 32,506	742	197	675	1,613	6,135	^R 1,210	2,058	^R 69,714
2018	24,974	38,991	1,308	240	989	2,538	5,916	1,066	2,135	75,621

^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 comprises 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>.

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