Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2019, California

Year	Primary Energy												Electricity Retail Sales	Total Energy f,g,h
	Coal			Natural Gas a	Petroleum						Biomass	Total f,g,h		
	Coking Coal	Steam Coal	Total		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	0.43	0.63	0.43	0.38	0.68	1.42	2.80	0.35	1.13	0.97	1.54	0.60	2.90	0.90
1975	1.38	0.92	1.32	1.05	2.21	2.92	4.84	1.66	2.31	2.35	1.54	1.50	6.70	2.24
1980	1.97	1.82	1.91	3.64	5.49	5.43	10.19	3.16	5.79	5.36	1.51	4.27	16.04	6.22
1985	—	2.25	2.25	4.54	6.19	10.65	8.68	3.93	6.98	6.34	1.51	5.20	22.00	7.96
1990	—	2.00	2.00	3.79	5.69	9.97	8.57	3.00	5.64	6.21	0.99	4.31	21.35	7.09
1995	—	1.76	1.76	3.66	5.44	10.66	9.27	2.70	5.69	6.14	1.26	4.11	21.59	7.05
2000	—	1.66	1.66	5.53	7.99	12.77	12.55	4.31	5.67	7.09	1.42	5.69	20.94	8.25
2001	—	1.61	1.61	6.50	7.08	14.42	12.27	3.51	6.12	7.33	1.95	6.38	27.05	9.87
2002	—	1.64	1.64	4.84	6.80	13.49	11.19	3.95	6.01	7.33	2.08	5.37	28.75	8.40
2003	—	1.68	1.68	7.05	8.19	15.09	13.78	4.59	7.67	9.06	1.62	7.13	28.11	10.04
2004	—	1.76	1.76	7.74	11.27	17.27	16.30	5.20	7.86	10.48	1.78	8.00	27.18	10.44
2005	—	2.12	2.12	9.62	15.45	20.60	18.96	7.17	9.02	12.46	2.68	9.73	27.98	12.25
2006	—	2.39	2.39	9.09	17.40	23.04	21.47	8.65	10.64	14.76	2.66	9.94	29.57	12.83
2007	—	2.81	2.81	8.81	18.29	26.49	23.34	10.04	11.87	15.18	2.52	9.84	29.26	12.67
2008	—	2.96	2.96	10.51	24.53	31.75	26.96	13.91	14.12	19.81	2.83	12.14	29.56	14.80
2009	—	2.95	2.95	6.39	14.78	25.25	20.56	—	19.68	18.52	2.66	8.53	30.54	11.95
2010	—	3.41	3.41	6.87	19.10	27.24	24.76	—	25.89	23.07	2.68	9.93	28.72	12.94
2011	—	3.64	3.64	6.91	25.33	33.59	30.51	15.24	23.87	26.45	2.73	11.22	29.62	14.09
2012	—	3.54	3.54	5.66	26.29	25.38	32.24	16.16	26.16	27.07	2.60	10.22	30.75	13.21
2013	—	3.67	3.67	6.40	25.76	27.78	31.08	16.26	24.81	R 26.41	2.57	10.77	33.52	14.43
2014	—	3.63	3.63	7.44	24.38	28.71	29.99	15.94	R 25.35	R 25.87	3.11	11.33	36.16	15.23
2015	—	3.57	3.57	6.18	15.30	R 16.08	25.47	8.31	22.14	R 19.47	3.00	9.13	35.65	13.28
2016	—	3.38	3.38	6.56	13.21	15.09	22.01	6.11	R 18.46	16.76	2.88	8.73	34.94	12.73
2017	—	3.78	3.78	6.81	15.69	20.42	24.37	—	R 18.98	R 18.69	R 2.80	R 9.37	37.31	R 13.50
2018	—	3.53	3.53	6.89	19.01	R 23.67	28.09	11.44	R 21.74	21.96	R 2.59	R 10.06	R 38.69	14.42
2019	—	3.41	3.41	7.44	17.84	17.50	29.10	11.27	22.64	21.48	2.60	10.25	39.27	14.58
	Expenditures in Million Dollars													
1970	25.6	0.2	25.8	209.3	31.2	41.1	28.6	21.3	141.6	263.7	49.2	548.0	392.2	940.2
1975	67.7	6.9	74.6	539.6	126.2	116.1	34.0	62.4	324.1	662.8	53.2	1,330.2	988.9	2,319.1
1980	79.8	46.5	126.4	1,248.7	489.1	191.9	90.9	204.4	1,116.8	2,093.1	29.1	3,497.3	2,607.7	6,105.0
1985	—	99.0	99.0	1,745.8	636.7	359.5	139.8	428.9	1,024.9	2,589.9	34.1	4,468.9	3,725.4	8,194.4
1990	—	129.7	129.7	1,967.7	562.9	307.5	142.4	23.6	781.9	1,818.3	40.6	3,956.7	3,827.3	7,784.0
1995	—	102.2	102.2	2,156.6	365.1	196.8	137.5	19.1	738.6	1,457.1	37.0	3,752.9	3,986.7	7,739.6
2000	—	78.8	78.8	3,635.9	861.1	207.4	128.7	1.0	976.2	2,174.5	43.8	5,933.0	4,403.2	10,336.3
2001	—	75.4	75.4	3,888.1	886.1	234.1	289.2	0.2	1,004.0	2,413.7	70.1	6,447.3	5,541.7	11,989.0
2002	—	77.3	77.3	3,213.6	574.5	376.9	280.4	(s)	1,026.5	2,258.4	48.1	5,597.4	4,469.5	10,066.9
2003	—	80.2	80.2	4,971.4	505.3	247.3	358.7	(s)	929.4	2,040.6	35.9	7,128.1	4,531.6	11,659.7
2004	—	81.2	81.2	5,923.1	922.1	206.0	484.6	(s)	955.4	2,568.1	33.1	8,605.5	4,268.2	12,873.7
2005	—	98.2	98.2	6,896.9	1,175.1	0.1	529.2	(s)	1,071.3	2,775.7	66.0	9,836.8	4,532.7	14,369.5
2006	—	107.8	107.8	6,010.6	1,384.1	136.2	612.5	0.9	1,161.8	3,295.5	63.7	9,477.7	4,866.2	14,343.9
2007	—	121.0	121.0	5,873.6	1,199.7	72.3	533.7	—	1,515.3	3,321.0	61.6	9,377.2	4,760.7	14,137.9
2008	—	116.8	116.8	6,733.4	1,781.0	316.7	540.9	3.8	1,496.2	4,138.6	60.7	11,049.5	4,857.6	15,907.1
2009	—	92.3	92.3	4,016.6	875.2	389.3	391.6	—	1,339.2	2,995.3	43.5	7,147.7	4,713.4	11,861.1
2010	—	113.0	113.0	4,198.0	1,330.1	546.6	724.3	—	1,323.0	3,924.0	55.6	8,290.6	4,576.8	12,867.4
2011	—	129.5	129.5	4,212.1	1,926.1	R 775.2	877.0	(s)	1,813.3	R 5,391.6	65.3	R 9,798.5	4,772.8	R 14,571.3
2012	—	108.7	108.7	3,606.1	1,948.3	557.4	982.4	(s)	1,793.3	R 5,281.4	60.0	9,056.2	4,654.7	13,710.9
2013	—	117.3	117.3	4,173.6	1,901.5	R 610.3	983.8	0.6	2,018.5	R 5,514.6	58.8	R 9,864.4	5,877.9	R 15,742.3
2014	—	118.3	118.3	4,896.9	1,941.8	655.5	688.6	0.5	R 2,007.9	R 5,294.4	60.4	R 10,369.9	6,169.4	R 16,539.3
2015	—	110.4	110.4	4,056.8	1,220.8	R 341.1	767.8	(s)	R 1,847.3	R 4,177.1	54.1	R 8,398.4	6,089.0	R 14,487.4
2016	—	108.4	108.4	4,258.7	987.6	R 327.0	662.1	(s)	R 1,568.6	R 3,545.3	56.9	R 7,969.4	5,747.6	R 13,717.0
2017	—	127.4	127.4	4,330.9	1,213.3	418.6	742.1	—	R 1,549.5	R 3,923.6	R 58.6	R 8,440.5	5,834.4	R 14,275.0
2018	—	117.6	117.6	4,391.6	1,319.9	R 453.6	869.7	(s)	R 1,775.1	R 4,418.4	R 54.3	R 8,981.9	R 6,200.9	R 15,182.7
2019	—	105.4	105.4	4,747.4	1,189.1	354.6	897.3	0.8	1,712.5	4,154.2	55.7	9,062.6	6,087.1	15,149.7

[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.
Where shown, R = Revised data and (s) = Value less than 0.05 million dollars.
Where shown, — = No consumption, including cases where adjustments were made. See explanation of adjustments in Section 7 of the Technical Notes.
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.