

Table ET5. Industrial Sector Energy Price and Expenditure Estimates, Selected Years, 1970-2021, California

| Year | Primary Energy | | | | | | | | | | | | Electricity ⁱ | 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} | | |
| | | | | Total | | | | | | | | | | |
| 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 |
| 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 | 27.19 | 24.76 | — | 25.88 | 23.07 | 2.68 | 9.93 | 28.72 | 12.94 |
| 2011 | — | 3.64 | 3.64 | 6.91 | 25.33 | R 33.54 | 30.51 | 15.24 | 23.86 | 26.45 | 2.73 | 11.23 | 29.62 | 14.09 |
| 2012 | — | 3.54 | 3.54 | 5.66 | 26.29 | R 25.30 | 32.24 | 16.16 | 26.15 | 27.06 | 2.60 | 10.22 | 30.75 | 13.21 |
| 2013 | — | 3.67 | 3.67 | 6.40 | 25.76 | R 27.74 | 31.08 | 16.26 | 24.83 | 26.41 | 2.57 | 10.78 | 33.52 | 14.43 |
| 2014 | — | 3.63 | 3.63 | 7.44 | 24.38 | R 28.72 | 29.99 | 15.94 | 25.38 | 25.88 | 3.11 | 11.34 | 36.16 | 15.24 |
| 2015 | — | 3.57 | 3.57 | 6.18 | 15.30 | R 16.14 | 25.47 | 8.31 | 22.21 | R 19.50 | 3.00 | 9.14 | 35.65 | 13.29 |
| 2016 | — | 3.38 | 3.38 | 6.56 | 13.21 | R 15.15 | 22.01 | 6.11 | 18.56 | R 16.81 | 2.88 | 8.74 | 34.94 | 12.74 |
| 2017 | — | 3.78 | 3.78 | 6.81 | 15.69 | R 20.48 | 24.37 | — | R 19.18 | R 18.77 | 2.80 | 9.39 | 37.31 | 13.52 |
| 2018 | — | 3.53 | 3.53 | 6.89 | 19.01 | R 23.81 | 28.09 | 11.44 | R 22.05 | R 22.09 | R 2.67 | R 10.08 | 38.69 | R 14.43 |
| 2019 | — | 3.41 | 3.41 | 7.44 | 17.84 | R 17.54 | 29.10 | 11.27 | R 23.16 | R 21.69 | R 2.67 | R 10.29 | 39.27 | R 14.61 |
| 2020 | — | 3.54 | 3.54 | 7.30 | 12.45 | R 16.04 | 24.79 | 8.90 | R 20.51 | R 18.09 | R 2.21 | R 9.35 | 41.82 | R 14.45 |
| 2021 | — | 3.60 | 3.60 | 9.43 | 18.79 | 30.51 | 32.46 | 13.24 | 23.87 | 23.99 | 2.82 | 12.42 | 43.43 | 17.19 |

| 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 |
| 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 | R 552.9 | 724.3 | — | 1,321.9 | R 3,929.3 | 55.6 | R 8,295.9 | 4,576.8 | R 12,872.6 |
| 2011 | — | 129.5 | 129.5 | 4,212.1 | 1,926.1 | R 782.7 | 877.0 | (s) | 1,812.4 | R 5,398.2 | 65.3 | R 9,805.0 | 4,772.8 | R 14,577.9 |
| 2012 | — | 108.7 | 108.7 | 3,606.1 | 1,948.3 | R 563.8 | 982.4 | (s) | 1,792.5 | R 5,287.1 | 60.0 | R 9,061.8 | 4,654.7 | R 13,716.5 |
| 2013 | — | 117.3 | 117.3 | 4,173.6 | 1,901.5 | R 613.1 | 983.8 | 0.6 | 2,021.5 | R 5,520.5 | 58.8 | R 9,870.3 | 5,877.9 | R 15,748.1 |
| 2014 | — | 118.3 | 118.3 | 4,896.9 | 1,941.8 | R 654.4 | 688.6 | 0.5 | 2,012.0 | R 5,297.3 | 60.4 | R 10,372.8 | 6,169.4 | R 16,542.2 |
| 2015 | — | 110.4 | 110.4 | 4,056.8 | 1,220.8 | R 337.4 | 767.8 | (s) | 1,855.7 | R 4,181.7 | 54.1 | R 8,403.0 | 6,089.0 | R 14,492.0 |
| 2016 | — | 108.4 | 108.4 | 4,258.7 | 987.6 | R 321.0 | 662.1 | (s) | 1,580.4 | R 3,551.2 | 56.9 | R 7,975.2 | 5,747.6 | R 13,722.8 |
| 2017 | — | 127.4 | 127.4 | 4,330.9 | 1,213.3 | R 410.8 | 742.1 | — | R 1,572.5 | R 3,938.8 | 58.6 | R 8,455.7 | 5,834.4 | R 14,290.2 |
| 2018 | — | 117.6 | 117.6 | 4,391.6 | 1,319.9 | R 443.9 | 869.7 | (s) | R 1,811.5 | R 4,444.9 | R 60.0 | R 9,014.1 | 6,200.9 | R 15,215.0 |
| 2019 | — | 105.4 | 105.4 | 4,747.4 | 1,189.1 | R 347.7 | 897.3 | 0.8 | R 1,768.7 | R 4,203.5 | R 61.3 | R 9,117.6 | 6,087.1 | R 15,204.7 |
| 2020 | — | 99.3 | 99.3 | R 4,142.7 | 767.7 | R 315.3 | 766.1 | 0.5 | R 1,544.8 | R 3,394.4 | R 98.1 | R 7,734.4 | 6,450.6 | R 14,185.0 |
| 2021 | — | 101.7 | 101.7 | 5,315.0 | 1,379.5 | 632.2 | 988.5 | 1.1 | 1,928.8 | 4,930.2 | 130.1 | 10,477.0 | 6,665.0 | 17,142.0 |

^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 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>.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. <http://www.eia.gov/state/seds/>