Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2019, United States

<table>
<thead>
<tr>
<th>Year</th>
<th>Million Short Tons</th>
<th>Natural Gas a</th>
<th>Distillate Fuel Oil</th>
<th>Petroleum</th>
<th>Coal</th>
<th>Biomass</th>
<th>Electricity Retail Sales</th>
<th>Solar f</th>
<th>Electrical System Energy Losses g</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>1,197</td>
<td>R</td>
<td>8,255</td>
<td>198</td>
<td>498</td>
<td>77</td>
<td>2,679</td>
<td>264</td>
<td>50</td>
</tr>
<tr>
<td>2011</td>
<td>1,567</td>
<td>11</td>
<td>8,502</td>
<td>1,235</td>
<td>R</td>
<td>2,169</td>
<td>8,068</td>
<td>17</td>
<td>1,602</td>
</tr>
<tr>
<td>2007</td>
<td>1,625</td>
<td>-29</td>
<td>R</td>
<td>9,863</td>
<td>1,202</td>
<td>R</td>
<td>2,679</td>
<td>264</td>
<td>50</td>
</tr>
<tr>
<td>2010</td>
<td>1,617</td>
<td>821</td>
<td>2</td>
<td>8,302</td>
<td>1,153</td>
<td>R</td>
<td>2,204</td>
<td>260</td>
<td>120</td>
</tr>
<tr>
<td>2004</td>
<td>2,046</td>
<td>138</td>
<td>8,573</td>
<td>1,213</td>
<td>2,292</td>
<td>371</td>
<td>5,636</td>
<td>981</td>
<td>201</td>
</tr>
<tr>
<td>2000</td>
<td>2,259</td>
<td>65</td>
<td>9,550</td>
<td>1,199</td>
<td>2,498</td>
<td>180</td>
<td>4,914</td>
<td>901</td>
<td>31</td>
</tr>
<tr>
<td>1995</td>
<td>3,658</td>
<td>14</td>
<td>8,571</td>
<td>1,339</td>
<td>1,126</td>
<td>223</td>
<td>5,169</td>
<td>756</td>
<td>29</td>
</tr>
<tr>
<td>1990</td>
<td>86</td>
<td>115</td>
<td>(s)</td>
<td>8,255</td>
<td>198</td>
<td>498</td>
<td>775</td>
<td>267</td>
<td>50</td>
</tr>
<tr>
<td>1985</td>
<td>2,777</td>
<td>-13</td>
<td>7,096</td>
<td>1,119</td>
<td>1,813</td>
<td>213</td>
<td>4,784</td>
<td>735</td>
<td>29</td>
</tr>
<tr>
<td>1980</td>
<td>127</td>
<td>-1</td>
<td>8,198</td>
<td>227</td>
<td>473</td>
<td>44</td>
<td>5,095</td>
<td>788</td>
<td>29</td>
</tr>
<tr>
<td>1975</td>
<td>200</td>
<td>65</td>
<td>5,771</td>
<td>174</td>
<td>122</td>
<td>23</td>
<td>2,378</td>
<td>41</td>
<td>28</td>
</tr>
<tr>
<td>1970</td>
<td>177</td>
<td>(s)</td>
<td>5,973</td>
<td>1,016</td>
<td>461</td>
<td>381</td>
<td>9,520</td>
<td>720</td>
<td>29</td>
</tr>
<tr>
<td>1965</td>
<td>5,134</td>
<td>-18</td>
<td>7,350</td>
<td>1,150</td>
<td>650</td>
<td>342</td>
<td>15,882</td>
<td>6,755</td>
<td>29</td>
</tr>
<tr>
<td>1960</td>
<td>4,548</td>
<td>-6</td>
<td>5,973</td>
<td>1,016</td>
<td>461</td>
<td>381</td>
<td>9,520</td>
<td>720</td>
<td>29</td>
</tr>
</tbody>
</table>

a Includes supplemental gaseous fuels that are combusted with natural gas.

b Hydrogen gas includes natural liquid fuels and refinery off-gases.

c Includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.

d Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.4.

e Conventional electric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which can only be accounted for once in net energy and total. For 1990 through 2019, includes a small amount of wind energy consumed by industrial utility-scale facilities.

f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources before 1989. See Technical Notes, Section 4.6.


h Solar thermal and photovoltaic energy. Includes a small amount of solar thermal energy consumed as heat that is included in the residential sector.

i Million Billion Cubic Feet Million Barrels

j Includes a small amount of wind energy consumed by industrial utility-scale facilities.

k Includes a small amount of wind energy consumed by industrial utility-scale facilities.

l Includes wind energy consumed by industrial utility-scale facilities.

m Includes wind energy consumed by industrial utility-scale facilities.

n Includes wind energy consumed by industrial utility-scale facilities.

o Includes wind energy consumed by industrial utility-scale facilities.

p Includes wind energy consumed by industrial utility-scale facilities.

q Includes wind energy consumed by industrial utility-scale facilities.

r Includes wind energy consumed by industrial utility-scale facilities.

s Includes wind energy consumed by industrial utility-scale facilities.

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1 Beginning in 1989, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total. For 1981 through 1992, includes a small amount of wind energy consumed by industrial utility-scale facilities.

2 Includes wind energy consumed by industrial utility-scale facilities.

3 Includes wind energy consumed by industrial utility-scale facilities.

4 Includes wind energy consumed by industrial utility-scale facilities.

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25 Includes wind energy consumed by industrial utility-scale facilities.

26 Includes wind energy consumed by industrial utility-scale facilities.

27 Includes wind energy consumed by industrial utility-scale facilities.

28 Includes wind energy consumed by industrial utility-scale facilities.

29 Includes wind energy consumed by industrial utility-scale facilities.

30 Indicates the source is not available.

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Notes: 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. The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

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