

**Table 1. U.S. Energy Markets Summary**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Energy Supply</b>															
Crude Oil Production (a) (million barrels per day) .....	9.01	9.13	9.33	9.93	10.24	10.71	10.91	11.29	11.61	11.78	11.76	12.02	9.35	10.79	11.80
Dry Natural Gas Production (billion cubic feet per day) .....	71.24	72.04	73.97	76.98	78.53	80.95	82.44	83.37	84.11	84.37	84.46	84.87	73.57	81.34	84.46
Coal Production (million short tons) .....	197	187	196	194	191	184	203	195	194	159	202	192	774	773	746
<b>Energy Consumption</b>															
Liquid Fuels (million barrels per day) .....	19.49	20.03	19.92	20.05	20.24	20.19	20.49	20.48	20.26	20.47	20.99	20.98	19.88	20.35	20.68
Natural Gas (billion cubic feet per day) .....	86.15	62.96	66.96	80.94	97.24	70.70	69.90	81.06	96.01	68.69	71.30		74.22	79.65	79.57
Coal (b) (million short tons) .....	173	167	204	173	168	159	197	168	170	143	189	159	717	692	662
Electricity (billion kilowatt hours per day) .....	10.13	10.08	11.66	9.98	10.59	10.28	11.87	10.04	10.61	10.06	11.90	10.09	10.47	10.69	10.67
Renewables (c) (quadrillion Btu) .....	2.79	2.99	2.57	2.66	2.89	3.03	2.70	2.76	2.82	3.11	2.85	2.89	11.02	11.38	11.66
Total Energy Consumption (d) (quadrillion Btu) .....	25.04	23.24	24.34	25.09	26.39	23.62	24.46	24.85	25.91	23.33	24.78	25.12	97.72	99.32	99.14
<b>Energy Prices</b>															
Crude Oil West Texas Intermediate Spot (dollars per barrel) .....	51.64	48.15	48.16	55.27	62.90	68.07	68.73	64.05	62.00	61.50	61.66	63.00	50.79	65.95	62.04
Natural Gas Henry Hub Spot (dollars per million Btu) .....	3.01	3.08	2.95	2.90	3.02	2.86	2.99	3.11	3.15	2.90	2.97	3.13	2.99	2.99	3.04
Coal (dollars per million Btu) .....	2.08	2.12	2.07	2.04	2.06	2.09	2.12	2.11	2.09	2.08	2.09	2.08	2.08	2.10	2.09
<b>Macroeconomic</b>															
Real Gross Domestic Product (billion chained 2009 dollars - SAAR) .....	16,903	17,031	17,164	17,286	17,380	17,553	17,685	17,806	17,920	18,017	18,103	18,182	17,096	17,606	18,055
Percent change from prior year .....	2.0	2.2	2.3	2.6	2.8	3.1	3.0	3.0	3.1	2.6	2.4	2.1	2.3	3.0	2.6
GDP Implicit Price Deflator (Index, 2009=100) .....	112.8	113.0	113.6	114.3	114.8	115.5	116.2	116.9	117.7	118.5	119.3	120.0	113.4	115.8	118.9
Percent change from prior year .....	2.0	1.6	1.8	1.9	1.8	2.2	2.2	2.3	2.5	2.6	2.7	2.7	1.8	2.1	2.6
Real Disposable Personal Income (billion chained 2009 dollars - SAAR) .....	12,680	12,766	12,788	12,827	12,931	13,003	13,068	13,178	13,309	13,389	13,473	13,564	12,765	13,045	13,434
Percent change from prior year .....	0.9	1.1	1.1	1.9	2.0	1.9	2.2	2.7	2.9	3.0	3.1	2.9	1.2	2.2	3.0
Manufacturing Production Index (Index, 2012=100) .....	102.0	102.7	102.2	103.6	104.1	104.9	105.7	106.6	107.2	107.6	107.9	108.3	102.6	105.3	107.8
Percent change from prior year .....	0.6	1.9	1.2	2.1	2.1	2.2	3.4	2.9	3.0	2.5	2.1	1.6	1.5	2.6	2.3
<b>Weather</b>															
U.S. Heating Degree-Days .....	1,859	427	65	1,480	2,130	519	74	1,529	2,107	477	77	1,527	3,832	4,252	4,188
U.S. Cooling Degree-Days .....	70	402	838	115	51	479	842	89	40	396	845	90	1,425	1,461	1,370

- = no data available

Prices are not adjusted for inflation.

(a) Includes lease condensate.

(b) Total consumption includes Independent Power Producer (IPP) consumption.

(c) Renewable energy includes minor components of non-marketed renewable energy that is neither bought nor sold, either directly or indirectly, as inputs to marketed energy.

EIA does not estimate or project end-use consumption of non-marketed renewable energy.

(d) The conversion from physical units to Btu is calculated using a subset of conversion factors used in the calculations of gross energy consumption in EIA's Monthly Energy Review. Consequently, the historical data may not precisely match those published in the MER or the Annual Energy Review (AER).

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109;*Petroleum Supply Annual*, DOE/EIA-0340/2; *Weekly Petroleum Status Report*, DOE/EIA-0208; *Petroleum Marketing Monthly*, DOE/EIA-0380; *Natural Gas Monthly*, DOE/EIA-0130;*Electric Power Monthly*, DOE/EIA-0226; *Quarterly Coal Report*, DOE/EIA-0121; and *International Petroleum Monthly*, DOE/EIA-0520.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model. U.S. macroeconomic projections are based on the IHS Markit model of the U.S. Economy.

Weather projections from National Oceanic and Atmospheric Administration.

**Table 2. Energy Prices**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Crude Oil</b> (dollars per barrel)															
West Texas Intermediate Spot Average .....	<b>51.64</b>	<b>48.15</b>	<b>48.16</b>	<b>55.27</b>	<b>62.90</b>	<b>68.07</b>	<i>68.73</i>	<i>64.05</i>	<i>62.00</i>	<i>61.50</i>	<i>61.66</i>	<i>63.00</i>	<b>50.79</b>	<i>65.95</i>	<i>62.04</i>
Brent Spot Average .....	<b>53.57</b>	<b>49.59</b>	<b>52.09</b>	<b>61.42</b>	<b>66.84</b>	<b>74.53</b>	<i>74.03</i>	<i>71.69</i>	<i>70.00</i>	<i>69.00</i>	<i>68.00</i>	<i>68.00</i>	<b>54.15</b>	<i>71.80</i>	<i>68.74</i>
U.S. Imported Average .....	<b>47.94</b>	<b>46.25</b>	<b>47.42</b>	<b>55.10</b>	<b>58.09</b>	<b>64.49</b>	<i>65.21</i>	<i>60.49</i>	<i>58.50</i>	<i>58.00</i>	<i>58.16</i>	<i>59.50</i>	<b>48.98</b>	<i>62.14</i>	<i>58.50</i>
U.S. Refiner Average Acquisition Cost .....	<b>49.91</b>	<b>47.73</b>	<b>48.31</b>	<b>56.73</b>	<b>61.86</b>	<b>67.06</b>	<i>67.71</i>	<i>62.98</i>	<i>61.00</i>	<i>60.50</i>	<i>60.66</i>	<i>62.00</i>	<b>50.68</b>	<i>64.97</i>	<i>61.03</i>
<b>U.S. Liquid Fuels</b> (cents per gallon)															
<b>Refiner Prices for Resale</b>															
Gasoline .....	<b>163</b>	<b>165</b>	<b>172</b>	<b>175</b>	<b>186</b>	<b>214</b>	<i>210</i>	<i>198</i>	<i>194</i>	<i>209</i>	<i>204</i>	<i>187</i>	<b>169</b>	<i>202</i>	<i>199</i>
Diesel Fuel .....	<b>162</b>	<b>155</b>	<b>169</b>	<b>190</b>	<b>199</b>	<b>216</b>	<i>223</i>	<i>219</i>	<i>211</i>	<i>210</i>	<i>214</i>	<i>216</i>	<b>169</b>	<i>215</i>	<i>213</i>
Heating Oil .....	<b>154</b>	<b>144</b>	<b>154</b>	<b>179</b>	<b>193</b>	<b>208</b>	<i>213</i>	<i>212</i>	<i>208</i>	<i>200</i>	<i>205</i>	<i>209</i>	<b>160</b>	<i>205</i>	<i>206</i>
<b>Refiner Prices to End Users</b>															
Jet Fuel .....	<b>158</b>	<b>150</b>	<b>162</b>	<b>181</b>	<b>197</b>	<b>215</b>	<i>220</i>	<i>216</i>	<i>209</i>	<i>207</i>	<i>211</i>	<i>213</i>	<b>163</b>	<i>212</i>	<i>210</i>
No. 6 Residual Fuel Oil (a) .....	<b>128</b>	<b>120</b>	<b>124</b>	<b>140</b>	<b>149</b>	<b>163</b>	<i>166</i>	<i>157</i>	<i>152</i>	<i>148</i>	<i>149</i>	<i>152</i>	<b>129</b>	<i>159</i>	<i>150</i>
<b>Retail Prices Including Taxes</b>															
Gasoline Regular Grade (b) .....	<b>233</b>	<b>238</b>	<b>244</b>	<b>251</b>	<b>258</b>	<b>285</b>	<i>285</i>	<i>276</i>	<i>269</i>	<i>287</i>	<i>284</i>	<i>266</i>	<b>242</b>	<i>276</i>	<i>277</i>
Gasoline All Grades (b) .....	<b>244</b>	<b>250</b>	<b>255</b>	<b>263</b>	<b>270</b>	<b>294</b>	<i>295</i>	<i>287</i>	<i>281</i>	<i>298</i>	<i>295</i>	<i>278</i>	<b>253</b>	<i>287</i>	<i>288</i>
On-highway Diesel Fuel .....	<b>257</b>	<b>255</b>	<b>263</b>	<b>287</b>	<b>302</b>	<b>320</b>	<i>318</i>	<i>316</i>	<i>306</i>	<i>305</i>	<i>308</i>	<i>311</i>	<b>265</b>	<i>314</i>	<i>307</i>
Heating Oil .....	<b>247</b>	<b>238</b>	<b>234</b>	<b>265</b>	<b>287</b>	<b>297</b>	<i>304</i>	<i>307</i>	<i>308</i>	<i>291</i>	<i>292</i>	<i>302</i>	<b>251</b>	<i>296</i>	<i>302</i>
<b>Natural Gas</b>															
Henry Hub Spot (dollars per thousand cubic feet) .....	<b>3.12</b>	<b>3.19</b>	<b>3.06</b>	<b>3.01</b>	<b>3.13</b>	<b>2.96</b>	<i>3.10</i>	<i>3.22</i>	<i>3.27</i>	<i>3.01</i>	<i>3.08</i>	<i>3.24</i>	<b>3.10</b>	<i>3.10</i>	<i>3.15</i>
Henry Hub Spot (dollars per million Btu) .....	<b>3.01</b>	<b>3.08</b>	<b>2.95</b>	<b>2.90</b>	<b>3.02</b>	<b>2.86</b>	<i>2.99</i>	<i>3.11</i>	<i>3.15</i>	<i>2.90</i>	<i>2.97</i>	<i>3.13</i>	<b>2.99</b>	<i>2.99</i>	<i>3.04</i>
<b>U.S. Retail Prices</b> (dollars per thousand cubic feet)															
Industrial Sector .....	<b>4.50</b>	<b>4.11</b>	<b>3.89</b>	<b>4.00</b>	<b>4.48</b>	<b>3.86</b>	<i>3.96</i>	<i>4.33</i>	<i>4.62</i>	<i>3.95</i>	<i>3.93</i>	<i>4.36</i>	<b>4.14</b>	<i>4.17</i>	<i>4.23</i>
Commercial Sector .....	<b>7.71</b>	<b>8.33</b>	<b>8.69</b>	<b>7.56</b>	<b>7.66</b>	<b>7.98</b>	<i>8.56</i>	<i>7.87</i>	<i>7.79</i>	<i>8.23</i>	<i>8.64</i>	<i>7.95</i>	<b>7.87</b>	<i>7.87</i>	<i>8.00</i>
Residential Sector .....	<b>9.73</b>	<b>13.00</b>	<b>17.74</b>	<b>10.19</b>	<b>9.39</b>	<b>11.47</b>	<i>16.52</i>	<i>10.57</i>	<i>9.72</i>	<i>12.26</i>	<i>16.80</i>	<i>10.74</i>	<b>10.92</b>	<i>10.56</i>	<i>10.90</i>
<b>U.S. Electricity</b>															
<b>Power Generation Fuel Costs</b> (dollars per million Btu)															
Coal .....	<b>2.08</b>	<b>2.12</b>	<b>2.07</b>	<b>2.04</b>	<b>2.06</b>	<b>2.09</b>	<i>2.12</i>	<i>2.11</i>	<i>2.09</i>	<i>2.08</i>	<i>2.09</i>	<i>2.08</i>	<b>2.08</b>	<i>2.10</i>	<i>2.09</i>
Natural Gas .....	<b>3.69</b>	<b>3.38</b>	<b>3.19</b>	<b>3.38</b>	<b>3.98</b>	<b>3.07</b>	<i>3.20</i>	<i>3.54</i>	<i>3.70</i>	<i>3.13</i>	<i>3.15</i>	<i>3.50</i>	<b>3.38</b>	<i>3.41</i>	<i>3.35</i>
Residual Fuel Oil (c) .....	<b>11.16</b>	<b>10.60</b>	<b>10.03</b>	<b>11.93</b>	<b>11.47</b>	<b>13.77</b>	<i>13.83</i>	<i>13.57</i>	<i>13.63</i>	<i>13.98</i>	<i>13.15</i>	<i>12.77</i>	<b>10.97</b>	<i>12.88</i>	<i>13.40</i>
Distillate Fuel Oil .....	<b>12.74</b>	<b>12.23</b>	<b>13.13</b>	<b>14.54</b>	<b>15.77</b>	<b>16.56</b>	<i>17.09</i>	<i>17.00</i>	<i>16.46</i>	<i>16.31</i>	<i>16.48</i>	<i>16.77</i>	<b>13.26</b>	<i>16.35</i>	<i>16.51</i>
<b>Retail Prices</b> (cents per kilowatthour)															
Industrial Sector .....	<b>6.64</b>	<b>6.89</b>	<b>7.27</b>	<b>6.79</b>	<b>6.79</b>	<b>6.90</b>	<i>7.41</i>	<i>6.95</i>	<i>6.82</i>	<i>6.99</i>	<i>7.48</i>	<i>7.01</i>	<b>6.91</b>	<i>7.02</i>	<i>7.09</i>
Commercial Sector .....	<b>10.39</b>	<b>10.68</b>	<b>11.03</b>	<b>10.56</b>	<b>10.51</b>	<b>10.71</b>	<i>11.15</i>	<i>10.75</i>	<i>10.66</i>	<i>10.81</i>	<i>11.14</i>	<i>10.78</i>	<b>10.68</b>	<i>10.79</i>	<i>10.86</i>
Residential Sector .....	<b>12.59</b>	<b>12.99</b>	<b>13.19</b>	<b>12.75</b>	<b>12.57</b>	<b>13.01</b>	<i>13.27</i>	<i>12.95</i>	<i>12.89</i>	<i>13.54</i>	<i>13.60</i>	<i>13.21</i>	<b>12.90</b>	<i>12.96</i>	<i>13.31</i>

- = no data available

Prices are not adjusted for inflation.

(a) Average for all sulfur contents.

(b) Average self-service cash price.

(c) Includes fuel oils No. 4, No. 5, No. 6, and topped crude.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Prices exclude taxes unless otherwise noted.

**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Marketing Monthly*, DOE/EIA-0380;

*Weekly Petroleum Status Report*, DOE/EIA-0208; *Natural Gas Monthly*, DOE/EIA-0130; *Electric Power Monthly*, DOE/EIA-0226; and *Monthly Energy Review*, DOE/EIA-0035.

WTI and Brent crude oils, and Henry Hub natural gas spot prices from Reuter's News Service (<http://www.reuters.com>).

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 3a. International Petroleum and Other Liquids Production, Consumption, and Inventories**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Supply (million barrels per day) (a)</b>															
OECD .....	27.12	26.94	27.12	28.28	28.55	29.49	29.99	30.76	31.02	31.29	31.42	31.96	27.37	29.71	31.43
U.S. (50 States) .....	15.02	15.35	15.53	16.49	16.77	17.58	17.97	18.45	18.70	19.05	19.21	19.54	15.60	17.70	19.13
Canada .....	5.05	4.71	4.99	5.19	5.01	5.24	5.39	5.50	5.51	5.50	5.55	5.59	4.99	5.29	5.54
Mexico .....	2.35	2.34	2.19	2.16	2.18	2.17	2.20	2.20	2.19	2.17	2.16	2.15	2.26	2.19	2.17
Other OECD .....	4.69	4.54	4.42	4.44	4.60	4.50	4.43	4.62	4.63	4.56	4.50	4.68	4.52	4.54	4.59
Non-OECD .....	69.98	70.73	71.26	70.59	70.00	70.71	70.59	70.49	70.21	71.13	71.61	71.50	70.64	70.45	71.12
OPEC .....	38.84	39.32	39.68	39.28	39.24	38.90	38.56	38.62	38.66	38.80	39.07	39.25	39.28	38.83	38.95
Crude Oil Portion .....	32.08	32.32	32.89	32.48	32.34	31.96	31.57	31.60	31.60	31.68	31.88	31.98	32.44	31.87	31.79
Other Liquids (b) .....	6.77	7.00	6.79	6.81	6.90	6.94	6.98	7.02	7.05	7.12	7.19	7.27	6.84	6.96	7.16
Eurasia .....	14.43	14.30	14.22	14.32	14.27	14.47	14.48	14.66	14.72	14.64	14.67	14.75	14.32	14.47	14.69
China .....	4.81	4.82	4.74	4.75	4.76	4.78	4.77	4.81	4.76	4.79	4.79	4.84	4.78	4.78	4.79
Other Non-OECD .....	11.89	12.29	12.62	12.24	11.74	12.56	12.79	12.39	12.09	12.90	13.07	12.66	12.26	12.37	12.68
Total World Supply .....	97.09	97.66	98.38	98.87	98.55	100.20	100.58	101.25	101.24	102.41	103.03	103.46	98.01	100.16	102.54
Non-OPEC Supply .....	58.25	58.35	58.70	59.58	59.32	61.30	62.03	62.63	62.58	63.61	63.96	64.21	58.73	61.33	63.60
<b>Consumption (million barrels per day) (c)</b>															
OECD .....	46.71	46.88	47.44	47.72	47.62	46.88	47.95	48.18	47.80	47.24	48.59	48.79	47.19	47.66	48.11
U.S. (50 States) .....	19.49	20.03	19.92	20.05	20.24	20.19	20.49	20.48	20.26	20.47	20.99	20.98	19.88	20.35	20.68
U.S. Territories .....	0.15	0.15	0.13	0.09	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	0.13	0.10	0.12
Canada .....	2.35	2.34	2.50	2.50	2.31	2.33	2.45	2.43	2.39	2.33	2.45	2.43	2.42	2.38	2.40
Europe .....	13.86	14.29	14.74	14.44	14.09	14.34	14.80	14.50	14.17	14.39	14.91	14.60	14.33	14.44	14.52
Japan .....	4.33	3.64	3.69	4.12	4.33	3.50	3.62	3.98	4.24	3.42	3.56	3.92	3.94	3.86	3.78
Other OECD .....	6.52	6.44	6.46	6.53	6.56	6.43	6.50	6.68	6.63	6.51	6.57	6.75	6.49	6.54	6.62
Non-OECD .....	50.79	51.46	51.45	51.44	52.02	52.71	52.70	52.72	53.29	53.99	53.93	53.98	51.29	52.54	53.80
Eurasia .....	4.73	4.72	4.99	4.86	4.76	4.81	5.08	4.96	4.82	4.87	5.14	5.02	4.83	4.91	4.96
Europe .....	0.72	0.71	0.73	0.73	0.73	0.73	0.75	0.75	0.74	0.74	0.76	0.76	0.72	0.74	0.75
China .....	13.48	13.29	13.01	13.27	14.01	13.77	13.43	13.67	14.52	14.24	13.88	14.13	13.26	13.72	14.19
Other Asia .....	13.05	13.37	13.08	13.42	13.62	13.82	13.51	13.83	14.13	14.30	13.91	14.24	13.23	13.69	14.14
Other Non-OECD .....	18.80	19.36	19.65	19.15	18.89	19.58	19.93	19.51	19.09	19.84	20.24	19.83	19.24	19.48	19.75
Total World Consumption .....	97.49	98.34	98.89	99.17	99.63	99.59	100.65	100.89	101.09	101.23	102.52	102.77	98.48	100.20	101.91
<b>Total Crude Oil and Other Liquids Inventory Net Withdrawals (million barrels per day)</b>															
U.S. (50 States) .....	0.00	0.22	0.34	0.91	0.37	-0.14	-0.30	0.39	-0.34	-0.54	-0.22	0.30	0.37	0.08	-0.20
Other OECD .....	-0.38	0.08	0.34	0.48	0.02	-0.16	0.13	-0.26	0.07	-0.21	-0.10	-0.34	0.13	-0.07	-0.15
Other Stock Draws and Balance .....	0.77	0.38	-0.16	-1.09	0.69	-0.32	0.24	-0.49	0.12	-0.43	-0.19	-0.65	-0.03	0.03	-0.29
Total Stock Draw .....	0.40	0.67	0.51	0.30	1.08	-0.61	0.07	-0.36	-0.15	-1.18	-0.51	-0.70	0.47	0.04	-0.64
<b>End-of-period Commercial Crude Oil and Other Liquids Inventories (million barrels)</b>															
U.S. Commercial Inventory .....	1,338	1,330	1,305	1,232	1,196	1,214	1,242	1,209	1,244	1,297	1,321	1,296	1,232	1,209	1,296
OECD Commercial Inventory .....	3,028	3,012	2,961	2,844	2,802	2,834	2,850	2,842	2,870	2,942	2,976	2,981	2,844	2,842	2,981

- = no data available

OECD = Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, Chile, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Japan, Latvia, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, Slovenia, South Korea, Spain, Sweden, Switzerland, Turkey, the United Kingdom, the United States.

OPEC = Organization of the Petroleum Exporting Countries: Algeria, Angola, Ecuador, Equatorial Guinea, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, Venezuela.

(a) Supply includes production of crude oil (including lease condensates), natural gas plant liquids, biofuels, other liquids, and refinery processing gains.

(b) Includes lease condensate, natural gas plant liquids, other liquids, and refinery processing gain. Includes other unaccounted-for liquids.

 (c) Consumption of petroleum by the OECD countries is synonymous with "petroleum product supplied," defined in the glossary of the EIA *Retroleum Supply Monthly*, DOE/EIA-0109.

Consumption of petroleum by the non-OECD countries is "apparent consumption," which includes internal consumption, refinery fuel and loss, and bunkering.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

**Historical data:** Latest data available from Energy Information Administration international energy statistics.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 3b. Non-OPEC Petroleum and Other Liquids Supply (million barrels per day)**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>North America</b> .....	<b>22.43</b>	<b>22.40</b>	<b>22.71</b>	<b>23.84</b>	<b>23.95</b>	<b>24.99</b>	<i>25.56</i>	<i>26.15</i>	<i>26.40</i>	<i>26.72</i>	<i>26.92</i>	<i>27.28</i>	<b>22.85</b>	<i>25.17</i>	<i>26.83</i>
Canada .....	<b>5.05</b>	<b>4.71</b>	<b>4.99</b>	<b>5.19</b>	<b>5.01</b>	<b>5.24</b>	<i>5.39</i>	<i>5.50</i>	<i>5.51</i>	<i>5.50</i>	<i>5.55</i>	<i>5.59</i>	<b>4.99</b>	<i>5.29</i>	<i>5.54</i>
Mexico .....	<b>2.35</b>	<b>2.34</b>	<b>2.19</b>	<b>2.16</b>	<b>2.18</b>	<b>2.17</b>	<i>2.20</i>	<i>2.20</i>	<i>2.19</i>	<i>2.17</i>	<i>2.16</i>	<i>2.15</i>	<b>2.26</b>	<i>2.19</i>	<i>2.17</i>
United States .....	<b>15.02</b>	<b>15.35</b>	<b>15.53</b>	<b>16.49</b>	<b>16.77</b>	<b>17.58</b>	<i>17.97</i>	<i>18.45</i>	<i>18.70</i>	<i>19.05</i>	<i>19.21</i>	<i>19.54</i>	<b>15.60</b>	<i>17.70</i>	<i>19.13</i>
<b>Central and South America</b> .....	<b>4.91</b>	<b>5.40</b>	<b>5.70</b>	<b>5.31</b>	<b>4.86</b>	<b>5.71</b>	<i>5.88</i>	<i>5.50</i>	<i>5.21</i>	<i>6.05</i>	<i>6.23</i>	<i>5.85</i>	<b>5.33</b>	<i>5.49</i>	<i>5.84</i>
Argentina .....	<b>0.67</b>	<b>0.67</b>	<b>0.67</b>	<b>0.70</b>	<b>0.67</b>	<b>0.68</b>	<i>0.67</i>	<i>0.69</i>	<i>0.65</i>	<i>0.67</i>	<i>0.66</i>	<i>0.68</i>	<b>0.68</b>	<i>0.68</i>	<i>0.67</i>
Brazil .....	<b>2.95</b>	<b>3.44</b>	<b>3.73</b>	<b>3.32</b>	<b>2.94</b>	<b>3.71</b>	<i>3.92</i>	<i>3.50</i>	<i>3.27</i>	<i>4.07</i>	<i>4.27</i>	<i>3.86</i>	<b>3.36</b>	<i>3.52</i>	<i>3.87</i>
Colombia .....	<b>0.87</b>	<b>0.88</b>	<b>0.88</b>	<b>0.87</b>	<b>0.84</b>	<b>0.89</b>	<i>0.88</i>	<i>0.88</i>	<i>0.87</i>	<i>0.88</i>	<i>0.87</i>	<i>0.88</i>	<b>0.87</b>	<i>0.87</i>	<i>0.87</i>
Other Central and S. America .....	<b>0.42</b>	<b>0.41</b>	<b>0.42</b>	<b>0.42</b>	<b>0.40</b>	<b>0.43</b>	<i>0.42</i>	<i>0.43</i>	<i>0.42</i>	<i>0.43</i>	<i>0.43</i>	<i>0.44</i>	<b>0.42</b>	<i>0.42</i>	<i>0.43</i>
<b>Europe</b> .....	<b>4.21</b>	<b>4.05</b>	<b>3.92</b>	<b>3.96</b>	<b>4.09</b>	<b>3.96</b>	<i>3.89</i>	<i>4.07</i>	<i>4.06</i>	<i>3.98</i>	<i>3.90</i>	<i>4.05</i>	<b>4.04</b>	<i>4.00</i>	<i>4.00</i>
Norway .....	<b>2.08</b>	<b>2.00</b>	<b>1.91</b>	<b>1.92</b>	<b>1.97</b>	<b>1.81</b>	<i>1.88</i>	<i>1.90</i>	<i>1.89</i>	<i>1.82</i>	<i>1.84</i>	<i>1.88</i>	<b>1.98</b>	<i>1.89</i>	<i>1.86</i>
United Kingdom .....	<b>1.09</b>	<b>1.07</b>	<b>1.00</b>	<b>1.02</b>	<b>1.11</b>	<b>1.18</b>	<i>1.04</i>	<i>1.18</i>	<i>1.18</i>	<i>1.18</i>	<i>1.09</i>	<i>1.19</i>	<b>1.05</b>	<i>1.13</i>	<i>1.16</i>
<b>Eurasia</b> .....	<b>14.43</b>	<b>14.30</b>	<b>14.22</b>	<b>14.32</b>	<b>14.27</b>	<b>14.47</b>	<i>14.48</i>	<i>14.66</i>	<i>14.72</i>	<i>14.64</i>	<i>14.67</i>	<i>14.75</i>	<b>14.32</b>	<i>14.47</i>	<i>14.69</i>
Azerbaijan .....	<b>0.79</b>	<b>0.80</b>	<b>0.79</b>	<b>0.81</b>	<b>0.79</b>	<b>0.81</b>	<i>0.79</i>	<i>0.77</i>	<i>0.79</i>	<i>0.79</i>	<i>0.78</i>	<i>0.76</i>	<b>0.80</b>	<i>0.79</i>	<i>0.78</i>
Kazakhstan .....	<b>1.87</b>	<b>1.87</b>	<b>1.86</b>	<b>1.92</b>	<b>1.87</b>	<b>1.98</b>	<i>1.99</i>	<i>2.06</i>	<i>2.07</i>	<i>1.96</i>	<i>2.00</i>	<i>2.07</i>	<b>1.88</b>	<i>1.98</i>	<i>2.02</i>
Russia .....	<b>11.32</b>	<b>11.18</b>	<b>11.14</b>	<b>11.16</b>	<b>11.17</b>	<b>11.22</b>	<i>11.24</i>	<i>11.37</i>	<i>11.42</i>	<i>11.45</i>	<i>11.46</i>	<i>11.48</i>	<b>11.20</b>	<i>11.25</i>	<i>11.45</i>
Turkmenistan .....	<b>0.28</b>	<b>0.28</b>	<b>0.28</b>	<b>0.28</b>	<b>0.27</b>	<b>0.29</b>	<i>0.29</i>	<i>0.29</i>	<i>0.28</i>	<i>0.28</i>	<i>0.28</i>	<i>0.28</i>	<b>0.28</b>	<i>0.28</i>	<i>0.28</i>
Other Eurasia .....	<b>0.16</b>	<b>0.17</b>	<b>0.16</b>	<b>0.16</b>	<b>0.15</b>	<b>0.18</b>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.16</i>	<b>0.16</b>	<i>0.17</i>	<i>0.16</i>
<b>Middle East</b> .....	<b>1.07</b>	<b>1.07</b>	<b>1.07</b>	<b>1.08</b>	<b>1.08</b>	<b>1.10</b>	<i>1.10</i>	<i>1.10</i>	<i>1.13</i>	<i>1.13</i>	<i>1.13</i>	<i>1.13</i>	<b>1.08</b>	<i>1.09</i>	<i>1.13</i>
Oman .....	<b>0.98</b>	<b>0.98</b>	<b>0.98</b>	<b>0.98</b>	<b>0.98</b>	<b>0.98</b>	<i>0.99</i>	<i>0.99</i>	<i>0.99</i>	<i>0.99</i>	<i>1.00</i>	<i>1.00</i>	<b>0.98</b>	<i>0.98</i>	<i>1.00</i>
<b>Asia and Oceania</b> .....	<b>9.34</b>	<b>9.26</b>	<b>9.17</b>	<b>9.16</b>	<b>9.23</b>	<b>9.23</b>	<i>9.26</i>	<i>9.29</i>	<i>9.24</i>	<i>9.26</i>	<i>9.28</i>	<i>9.31</i>	<b>9.23</b>	<i>9.25</i>	<i>9.28</i>
Australia .....	<b>0.34</b>	<b>0.35</b>	<b>0.36</b>	<b>0.34</b>	<b>0.38</b>	<b>0.37</b>	<i>0.37</i>	<i>0.38</i>	<i>0.39</i>	<i>0.41</i>	<i>0.42</i>	<i>0.45</i>	<b>0.35</b>	<i>0.37</i>	<i>0.42</i>
China .....	<b>4.81</b>	<b>4.82</b>	<b>4.74</b>	<b>4.75</b>	<b>4.76</b>	<b>4.78</b>	<i>4.77</i>	<i>4.81</i>	<i>4.76</i>	<i>4.79</i>	<i>4.79</i>	<i>4.84</i>	<b>4.78</b>	<i>4.78</i>	<i>4.79</i>
India .....	<b>1.01</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<i>1.01</i>	<i>1.00</i>	<i>1.00</i>	<i>1.00</i>	<i>1.01</i>	<i>1.00</i>	<b>1.00</b>	<i>1.00</i>	<i>1.00</i>
Indonesia .....	<b>0.93</b>	<b>0.91</b>	<b>0.91</b>	<b>0.90</b>	<b>0.90</b>	<b>0.90</b>	<i>0.90</i>	<i>0.90</i>	<i>0.88</i>	<i>0.87</i>	<i>0.85</i>	<i>0.84</i>	<b>0.91</b>	<i>0.90</i>	<i>0.86</i>
Malaysia .....	<b>0.74</b>	<b>0.72</b>	<b>0.71</b>	<b>0.72</b>	<b>0.74</b>	<b>0.72</b>	<i>0.73</i>	<i>0.73</i>	<i>0.73</i>	<i>0.72</i>	<i>0.71</i>	<i>0.70</i>	<b>0.72</b>	<i>0.73</i>	<i>0.71</i>
Vietnam .....	<b>0.29</b>	<b>0.29</b>	<b>0.28</b>	<b>0.27</b>	<b>0.27</b>	<b>0.26</b>	<i>0.27</i>	<i>0.26</i>	<i>0.26</i>	<i>0.26</i>	<i>0.26</i>	<i>0.26</i>	<b>0.28</b>	<i>0.27</i>	<i>0.26</i>
<b>Africa</b> .....	<b>1.86</b>	<b>1.86</b>	<b>1.91</b>	<b>1.91</b>	<b>1.85</b>	<b>1.85</b>	<i>1.85</i>	<i>1.85</i>	<i>1.83</i>	<i>1.83</i>	<i>1.83</i>	<i>1.83</i>	<b>1.88</b>	<i>1.85</i>	<i>1.83</i>
Egypt .....	<b>0.64</b>	<b>0.65</b>	<b>0.66</b>	<b>0.66</b>	<b>0.63</b>	<b>0.63</b>	<i>0.63</i>	<i>0.63</i>	<i>0.58</i>	<i>0.58</i>	<i>0.58</i>	<i>0.58</i>	<b>0.65</b>	<i>0.63</i>	<i>0.58</i>
South Sudan .....	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>	<b>0.15</b>	<b>0.12</b>	<b>0.12</b>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<b>0.15</b>	<i>0.12</i>	<i>0.12</i>
<b>Total non-OPEC liquids</b> .....	<b>58.25</b>	<b>58.35</b>	<b>58.70</b>	<b>59.58</b>	<b>59.32</b>	<b>61.30</b>	<i>62.03</i>	<i>62.63</i>	<i>62.58</i>	<i>63.61</i>	<i>63.96</i>	<i>64.21</i>	<b>58.73</b>	<i>61.33</i>	<i>63.60</i>
<b>OPEC non-crude liquids</b> .....	<b>6.77</b>	<b>7.00</b>	<b>6.79</b>	<b>6.81</b>	<b>6.90</b>	<b>6.94</b>	<i>6.98</i>	<i>7.02</i>	<i>7.05</i>	<i>7.12</i>	<i>7.19</i>	<i>7.27</i>	<b>6.84</b>	<i>6.96</i>	<i>7.16</i>
<b>Non-OPEC + OPEC non-crude</b> .....	<b>65.02</b>	<b>65.35</b>	<b>65.49</b>	<b>66.39</b>	<b>66.21</b>	<b>68.24</b>	<i>69.01</i>	<i>69.65</i>	<i>69.63</i>	<i>70.73</i>	<i>71.15</i>	<i>71.48</i>	<b>65.57</b>	<i>68.29</i>	<i>70.75</i>
<b>Unplanned non-OPEC Production Outages</b> .....	<b>0.43</b>	<b>0.68</b>	<b>0.63</b>	<b>0.54</b>	<b>0.55</b>	<b>0.35</b>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<i>n/a</i>	<b>0.57</b>	<i>n/a</i>	<i>n/a</i>

- = no data available

OPEC = Organization of the Petroleum Exporting Countries: Algeria, Angola, Ecuador, Equatorial Guinea, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, Venezuela.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Supply includes production of crude oil (including lease condensates), natural gas plant liquids, biofuels, other liquids, and refinery processing gains.

Not all countries are shown in each region and sum of reported country volumes may not equal regional volumes.

**Historical data:** Latest data available from Energy Information Administration international energy statistics.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 3c. OPEC Crude Oil (excluding condensates) Supply (million barrels per day)**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Crude Oil</b>															
Algeria .....	1.04	1.03	1.03	1.00	1.02	1.02	-	-	-	-	-	-	1.03	-	-
Angola .....	1.64	1.66	1.66	1.63	1.59	1.54	-	-	-	-	-	-	1.65	-	-
Ecuador .....	0.53	0.53	0.54	0.52	0.51	0.52	-	-	-	-	-	-	0.53	-	-
Equatorial Guinea .....	0.14	0.14	0.13	0.13	0.14	0.13	-	-	-	-	-	-	0.13	-	-
Gabon .....	0.19	0.20	0.20	0.20	0.20	0.20	-	-	-	-	-	-	0.20	-	-
Iran .....	3.80	3.81	3.83	3.84	3.83	3.80	-	-	-	-	-	-	3.82	-	-
Iraq .....	4.46	4.44	4.50	4.36	4.46	4.49	-	-	-	-	-	-	4.44	-	-
Kuwait .....	2.74	2.71	2.72	2.72	2.71	2.71	-	-	-	-	-	-	2.72	-	-
Libya .....	0.65	0.72	0.94	0.95	1.00	0.92	-	-	-	-	-	-	0.82	-	-
Nigeria .....	1.38	1.49	1.68	1.72	1.72	1.53	-	-	-	-	-	-	1.57	-	-
Qatar .....	0.62	0.61	0.61	0.60	0.61	0.61	-	-	-	-	-	-	0.61	-	-
Saudi Arabia .....	9.98	10.09	10.18	10.12	10.10	10.22	-	-	-	-	-	-	10.09	-	-
United Arab Emirates .....	2.92	2.90	2.92	2.90	2.88	2.86	-	-	-	-	-	-	2.91	-	-
Venezuela .....	1.99	1.97	1.95	1.78	1.57	1.42	-	-	-	-	-	-	1.92	-	-
OPEC Total .....	32.08	32.32	32.89	32.48	32.34	31.96	31.57	31.60	31.60	31.68	31.88	31.98	32.44	31.87	31.79
<b>Other Liquids (a)</b> .....	6.77	7.00	6.79	6.81	6.90	6.94	6.98	7.02	7.05	7.12	7.19	7.27	6.84	6.96	7.16
<b>Total OPEC Supply</b> .....	38.84	39.32	39.68	39.28	39.24	38.90	38.56	38.62	38.66	38.80	39.07	39.25	39.28	38.83	38.95
<b>Crude Oil Production Capacity</b>															
Africa .....	5.04	5.24	5.64	5.64	5.66	5.33	4.83	5.17	5.29	5.31	5.36	5.43	5.39	5.25	5.35
Middle East .....	26.70	26.69	26.71	26.64	26.51	26.52	26.60	26.51	26.44	26.33	26.36	26.40	26.69	26.53	26.38
South America .....	2.53	2.51	2.49	2.31	2.08	1.94	1.61	1.49	1.42	1.39	1.37	1.34	2.46	1.78	1.38
OPEC Total .....	34.27	34.44	34.84	34.58	34.25	33.78	33.04	33.18	33.16	33.04	33.09	33.17	34.54	33.56	33.12
<b>Surplus Crude Oil Production Capacity</b>															
Africa .....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Middle East .....	2.19	2.13	1.95	2.10	1.91	1.82	1.47	1.58	1.56	1.36	1.21	1.19	2.09	1.69	1.33
South America .....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OPEC Total .....	2.19	2.13	1.95	2.10	1.91	1.82	1.47	1.58	1.56	1.36	1.21	1.19	2.09	1.69	1.33
<b>Unplanned OPEC Production Outages</b> .....	1.81	1.60	1.17	1.21	1.21	1.42	n/a	n/a	n/a	n/a	n/a	n/a	1.45	n/a	n/a

- = no data available

OPEC = Organization of the Petroleum Exporting Countries: Algeria, Angola, Equatorial Guinea, Gabon, Libya, and Nigeria (Africa); Ecuador and Venezuela (South America); Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates (Middle East).

(a) Includes lease condensate, natural gas plant liquids, other liquids, and refinery processing gain. Includes other unaccounted-for liquids.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

**Historical data:** Latest data available from Energy Information Administration international energy statistics.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 3d. World Petroleum and Other Liquids Consumption (million barrels per day)**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				2017	2018	2019
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
<b>North America</b> .....	<b>23.81</b>	<b>24.35</b>	<b>24.33</b>	<b>24.44</b>	<b>24.49</b>	<b>24.44</b>	<b>24.85</b>	<b>24.85</b>	<b>24.57</b>	<b>24.74</b>	<b>25.37</b>	<b>25.36</b>	<b>24.23</b>	<b>24.66</b>	<b>25.01</b>
Canada .....	2.35	2.34	2.50	2.50	2.31	2.33	2.45	2.43	2.39	2.33	2.45	2.43	2.42	2.38	2.40
Mexico .....	1.96	1.98	1.90	1.88	1.93	1.90	1.90	1.94	1.91	1.92	1.92	1.95	1.93	1.92	1.92
United States .....	19.49	20.03	19.92	20.05	20.24	20.19	20.49	20.48	20.26	20.47	20.99	20.98	19.88	20.35	20.68
<b>Central and South America</b> .....	<b>6.95</b>	<b>7.01</b>	<b>7.09</b>	<b>7.02</b>	<b>6.80</b>	<b>6.95</b>	<b>7.06</b>	<b>7.07</b>	<b>6.82</b>	<b>7.01</b>	<b>7.14</b>	<b>7.16</b>	<b>7.02</b>	<b>6.97</b>	<b>7.04</b>
Brazil .....	3.02	3.01	3.09	3.10	3.00	3.08	3.17	3.19	3.06	3.15	3.25	3.29	3.06	3.11	3.19
<b>Europe</b> .....	<b>14.54</b>	<b>14.96</b>	<b>15.43</b>	<b>15.13</b>	<b>14.80</b>	<b>15.03</b>	<b>15.50</b>	<b>15.21</b>	<b>14.87</b>	<b>15.09</b>	<b>15.62</b>	<b>15.32</b>	<b>15.02</b>	<b>15.14</b>	<b>15.23</b>
<b>Eurasia</b> .....	<b>4.77</b>	<b>4.76</b>	<b>5.03</b>	<b>4.90</b>	<b>4.80</b>	<b>4.85</b>	<b>5.13</b>	<b>5.00</b>	<b>4.86</b>	<b>4.91</b>	<b>5.19</b>	<b>5.06</b>	<b>4.86</b>	<b>4.95</b>	<b>5.00</b>
Russia .....	3.61	3.62	3.82	3.69	3.61	3.68	3.89	3.76	3.66	3.73	3.94	3.81	3.68	3.73	3.78
<b>Middle East</b> .....	<b>8.20</b>	<b>8.74</b>	<b>9.07</b>	<b>8.45</b>	<b>8.32</b>	<b>8.90</b>	<b>9.25</b>	<b>8.63</b>	<b>8.48</b>	<b>9.05</b>	<b>9.40</b>	<b>8.78</b>	<b>8.62</b>	<b>8.78</b>	<b>8.93</b>
<b>Asia and Oceania</b> .....	<b>34.91</b>	<b>34.24</b>	<b>33.79</b>	<b>34.94</b>	<b>36.06</b>	<b>35.06</b>	<b>34.59</b>	<b>35.69</b>	<b>37.05</b>	<b>35.99</b>	<b>35.42</b>	<b>36.54</b>	<b>34.47</b>	<b>35.34</b>	<b>36.25</b>
China .....	13.48	13.29	13.01	13.27	14.01	13.77	13.43	13.67	14.52	14.24	13.88	14.13	13.26	13.72	14.19
Japan .....	4.33	3.64	3.69	4.12	4.33	3.50	3.62	3.98	4.24	3.42	3.56	3.92	3.94	3.86	3.78
India .....	4.40	4.64	4.42	4.75	4.77	4.89	4.66	4.95	5.14	5.22	4.89	5.20	4.55	4.82	5.11
<b>Africa</b> .....	<b>4.31</b>	<b>4.27</b>	<b>4.16</b>	<b>4.28</b>	<b>4.38</b>	<b>4.36</b>	<b>4.28</b>	<b>4.44</b>	<b>4.44</b>	<b>4.45</b>	<b>4.38</b>	<b>4.55</b>	<b>4.26</b>	<b>4.37</b>	<b>4.45</b>
<b>Total OECD Liquid Fuels Consumption</b> .....	<b>46.71</b>	<b>46.88</b>	<b>47.44</b>	<b>47.72</b>	<b>47.62</b>	<b>46.88</b>	<b>47.95</b>	<b>48.18</b>	<b>47.80</b>	<b>47.24</b>	<b>48.59</b>	<b>48.79</b>	<b>47.19</b>	<b>47.66</b>	<b>48.11</b>
<b>Total non-OECD Liquid Fuels Consumption</b> .....	<b>50.79</b>	<b>51.46</b>	<b>51.45</b>	<b>51.44</b>	<b>52.02</b>	<b>52.71</b>	<b>52.70</b>	<b>52.72</b>	<b>53.29</b>	<b>53.99</b>	<b>53.93</b>	<b>53.98</b>	<b>51.29</b>	<b>52.54</b>	<b>53.80</b>
<b>Total World Liquid Fuels Consumption</b> .....	<b>97.49</b>	<b>98.34</b>	<b>98.89</b>	<b>99.17</b>	<b>99.63</b>	<b>99.59</b>	<b>100.65</b>	<b>100.89</b>	<b>101.09</b>	<b>101.23</b>	<b>102.52</b>	<b>102.77</b>	<b>98.48</b>	<b>100.20</b>	<b>101.91</b>
<b>Oil-weighted Real Gross Domestic Product (a)</b>															
World Index, 2015 Q1 = 100 .....	105.7	106.5	107.4	108.2	109.3	110.0	110.9	111.7	112.8	113.5	114.3	115.2	107.0	110.5	113.9
Percent change from prior year .....	3.6	2.9	3.1	3.1	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.1	3.2	3.3	3.1
OECD Index, 2015 Q1 = 100 .....	103.9	104.4	105.1	105.8	106.6	107.2	107.7	108.3	109.0	109.4	109.9	110.3	104.8	107.4	109.7
Percent change from prior year .....	3.0	2.2	2.4	2.4	2.6	2.6	2.4	2.4	2.3	2.1	2.1	1.8	2.5	2.5	2.1
Non-OECD Index, 2015 Q1 = 100 .....	107.5	108.5	109.5	110.6	111.9	112.8	114.0	115.1	116.4	117.5	118.7	120.0	109.0	113.4	118.1
Percent change from prior year .....	4.2	3.6	3.8	3.8	4.1	4.0	4.0	4.1	4.0	4.1	4.1	4.2	3.8	4.1	4.1
<b>Real U.S. Dollar Exchange Rate (a)</b>															
Index, 2015 Q1 = 100 .....	104.95	103.52	101.99	102.37	100.64	101.93	102.84	102.25	101.67	101.06	100.52	100.06	103.21	101.92	100.83
Percent change from prior year .....	-0.2	0.3	-1.0	-2.4	-4.1	-1.5	0.8	-0.1	1.0	-0.9	-2.3	-2.2	-0.8	-1.2	-1.1

- = no data available

OECD = Organization for Economic Cooperation and Development: Australia, Austria, Belgium, Canada, Chile, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Japan, Latvia, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, Slovenia, South Korea, Spain, Sweden, Switzerland, Turkey, the United Kingdom, the United States.

(a) Weighted geometric mean of real indices for various countries with weights equal to each country's share of world oil consumption in the base period. Exchange rate is measured in foreign currency per U.S. dollar. GDP and exchange rate data are from Oxford Economics, and oil consumption data are from EIA.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

**Historical data:** Latest data available from Energy Information Administration international energy statistics.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 4a. U.S. Petroleum and Other Liquids Supply, Consumption, and Inventories**  
U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Supply (million barrels per day)</b>															
<b>Crude Oil Supply</b>															
Domestic Production (a) .....	9.01	9.13	9.33	9.93	10.24	10.71	10.91	11.29	11.61	11.78	11.76	12.02	9.35	10.79	11.80
Alaska .....	0.52	0.50	0.45	0.51	0.51	0.48	0.43	0.49	0.51	0.48	0.44	0.50	0.49	0.48	0.48
Federal Gulf of Mexico (b) .....	1.75	1.66	1.72	1.59	1.67	1.72	1.72	1.83	1.92	1.93	1.81	1.92	1.68	1.74	1.89
Lower 48 States (excl GOM) .....	6.74	6.98	7.16	7.84	8.06	8.50	8.76	8.97	9.19	9.37	9.50	9.61	7.18	8.58	9.42
Crude Oil Net Imports (c) .....	7.24	7.24	6.63	6.08	6.18	6.11	6.21	5.31	5.30	5.55	5.29	4.59	6.79	5.95	5.18
SPR Net Withdrawals .....	0.04	0.14	0.06	0.12	-0.03	0.06	0.00	0.04	0.04	0.04	0.04	0.02	0.09	0.02	0.04
Commercial Inventory Net Withdrawals .....	-0.59	0.41	0.34	0.52	-0.03	0.07	0.08	-0.06	-0.56	-0.03	0.08	-0.09	0.17	0.02	-0.15
Crude Oil Adjustment (d) .....	0.22	0.21	0.24	0.07	0.05	0.16	0.21	0.15	0.19	0.19	0.21	0.15	0.18	0.15	0.19
Total Crude Oil Input to Refineries .....	15.91	17.13	16.60	16.72	16.41	17.11	17.42	16.74	16.58	17.53	17.38	16.69	16.59	16.92	17.05
<b>Other Supply</b>															
Refinery Processing Gain .....	1.09	1.13	1.07	1.12	1.11	1.13	1.14	1.12	1.09	1.13	1.13	1.12	1.10	1.13	1.12
Natural Gas Plant Liquids Production .....	3.54	3.70	3.72	3.99	4.01	4.32	4.46	4.60	4.61	4.70	4.87	4.95	3.74	4.35	4.78
Renewables and Oxygenate Production (e) .....	1.17	1.16	1.19	1.23	1.21	1.20	1.22	1.22	1.17	1.21	1.23	1.23	1.19	1.21	1.21
Fuel Ethanol Production .....	1.04	1.01	1.02	1.06	1.05	1.03	1.05	1.04	1.03	1.04	1.04	1.04	1.03	1.04	1.04
Petroleum Products Adjustment (f) .....	0.21	0.22	0.21	0.22	0.21	0.22	0.22	0.22	0.21	0.23	0.22	0.22	0.22	0.22	0.22
Product Net Imports (c) .....	-2.96	-2.99	-2.80	-3.49	-3.13	-3.52	-3.60	-3.82	-3.59	-3.78	-3.50	-3.60	-3.06	-3.52	-3.62
Hydrocarbon Gas Liquids .....	-1.20	-1.18	-1.16	-1.29	-1.22	-1.48	-1.53	-1.70	-1.66	-1.72	-1.68	-1.77	-1.21	-1.48	-1.71
Unfinished Oils .....	0.37	0.34	0.38	0.38	0.39	0.32	0.36	0.31	0.38	0.39	0.41	0.31	0.37	0.35	0.37
Other HC/Oxygenates .....	-0.13	-0.09	-0.09	-0.13	-0.18	-0.13	-0.09	-0.09	-0.12	-0.10	-0.08	-0.09	-0.11	-0.12	-0.10
Motor Gasoline Blend Comp. ....	0.43	0.68	0.64	0.36	0.50	0.73	0.43	0.40	0.50	0.67	0.49	0.44	0.53	0.51	0.53
Finished Motor Gasoline .....	-0.66	-0.62	-0.63	-0.94	-0.94	-0.71	-0.59	-0.82	-0.91	-0.79	-0.57	-0.75	-0.71	-0.77	-0.75
Jet Fuel .....	-0.04	-0.07	-0.01	0.02	-0.10	-0.12	-0.08	-0.04	-0.02	-0.05	-0.06	-0.01	-0.02	-0.08	-0.04
Distillate Fuel Oil .....	-1.01	-1.36	-1.32	-1.22	-0.87	-1.35	-1.40	-1.17	-1.05	-1.34	-1.30	-1.02	-1.23	-1.20	-1.18
Residual Fuel Oil .....	-0.10	-0.11	-0.12	-0.09	-0.10	-0.09	-0.06	-0.09	-0.06	-0.13	-0.09	-0.11	-0.10	-0.08	-0.10
Other Oils (g) .....	-0.61	-0.60	-0.50	-0.59	-0.62	-0.68	-0.64	-0.63	-0.64	-0.69	-0.62	-0.62	-0.57	-0.64	-0.64
Product Inventory Net Withdrawals .....	0.56	-0.33	-0.07	0.27	0.42	-0.26	-0.38	0.41	0.18	-0.55	-0.34	0.37	0.11	0.05	-0.09
Total Supply .....	19.52	20.03	19.92	20.05	20.24	20.19	20.49	20.48	20.26	20.47	20.99	20.98	19.88	20.35	20.68
<b>Consumption (million barrels per day)</b>															
Hydrocarbon Gas Liquids .....	2.79	2.45	2.33	2.81	3.22	2.67	2.71	3.12	3.20	2.79	3.01	3.36	2.60	2.93	3.09
Unfinished Oils .....	0.02	0.02	-0.01	-0.04	0.13	-0.07	-0.03	0.01	0.00	-0.03	-0.03	0.01	0.00	0.01	-0.01
Motor Gasoline .....	8.95	9.54	9.56	9.23	9.01	9.46	9.54	9.24	8.99	9.52	9.60	9.33	9.32	9.31	9.36
Fuel Ethanol blended into Motor Gasoline .....	0.90	0.96	0.96	0.95	0.91	0.93	0.98	0.95	0.91	0.97	0.97	0.95	0.94	0.94	0.95
Jet Fuel .....	1.60	1.68	1.71	1.73	1.64	1.71	1.77	1.73	1.67	1.75	1.80	1.77	1.68	1.71	1.75
Distillate Fuel Oil .....	3.95	3.91	3.87	4.02	4.18	4.05	3.98	4.10	4.15	4.10	4.11	4.23	3.94	4.08	4.15
Residual Fuel Oil .....	0.37	0.37	0.30	0.39	0.28	0.39	0.34	0.32	0.37	0.32	0.34	0.31	0.36	0.33	0.33
Other Oils (g) .....	1.83	2.06	2.15	1.91	1.78	1.98	2.17	1.97	1.87	2.02	2.17	1.97	1.99	1.98	2.01
Total Consumption .....	19.49	20.03	19.92	20.05	20.24	20.19	20.49	20.48	20.26	20.47	20.99	20.98	19.88	20.35	20.68
<b>Total Petroleum and Other Liquids Net Imports</b> .....	4.28	4.25	3.83	2.59	3.05	2.59	2.61	1.48	1.71	1.77	1.79	0.99	3.73	2.43	1.56
<b>End-of-period Inventories (million barrels)</b>															
<b>Commercial Inventory</b>															
Crude Oil (excluding SPR) .....	537.9	500.4	469.1	421.1	423.4	417.3	410.0	415.3	465.9	468.7	461.8	470.4	421.1	415.3	470.4
Hydrocarbon Gas Liquids .....	148.1	190.6	229.7	190.9	139.3	187.9	232.6	183.6	153.2	205.2	245.4	199.9	190.9	183.6	199.9
Unfinished Oils .....	89.3	88.7	89.2	86.3	98.3	92.2	87.2	80.1	90.6	89.1	87.2	80.2	86.3	80.1	80.2
Other HC/Oxygenates .....	32.6	29.3	28.3	30.1	30.5	29.5	28.8	29.4	31.2	30.2	29.4	30.1	30.1	29.4	30.1
Total Motor Gasoline .....	239.0	237.9	223.8	236.7	239.6	239.6	229.6	240.4	243.4	239.8	234.5	246.9	236.7	240.4	246.9
Finished Motor Gasoline .....	21.7	22.5	21.8	24.6	23.1	23.4	24.2	27.5	25.2	24.1	24.8	25.5	24.6	27.5	25.5
Motor Gasoline Blend Comp. ....	217.2	215.5	202.0	212.1	216.5	216.2	205.4	212.9	218.1	215.7	209.6	221.5	212.1	212.9	221.5
Jet Fuel .....	42.3	41.0	43.3	41.2	40.4	40.9	42.4	40.3	40.5	42.1	43.8	41.7	41.2	40.3	41.7
Distillate Fuel Oil .....	151.1	151.6	137.5	145.6	130.4	117.7	125.2	130.2	120.8	123.6	128.6	133.7	145.6	130.2	133.7
Residual Fuel Oil .....	40.8	35.2	35.9	29.4	35.0	29.7	32.7	35.2	38.4	39.4	37.9	38.2	29.4	35.2	38.2
Other Oils (g) .....	56.6	55.2	47.9	50.9	59.3	59.3	53.1	54.9	60.2	58.7	52.7	54.7	50.9	54.9	54.7
Total Commercial Inventory .....	1,338	1,330	1,305	1,232	1,196	1,214	1,242	1,209	1,244	1,297	1,321	1,296	1,232	1,209	1,296
Crude Oil in SPR .....	692	679	674	663	665	660	660	656	652	648	644	642	663	656	642

- = no data available

(a) Includes lease condensate.

(b) Crude oil production from U.S. Federal leases in the Gulf of Mexico (GOM).

(c) Net imports equals gross imports minus gross exports.

(d) Crude oil adjustment balances supply and consumption and was previously referred to as "Unaccounted for Crude Oil."

(e) Renewables and oxygenate production includes pentanes plus, oxygenates (excluding fuel ethanol), and renewable fuels.

(f) Petroleum products adjustment includes hydrogen/oxygenates/renewables/other hydrocarbons, motor gasoline blend components, and finished motor gasoline.

(g) "Other Oils" includes aviation gasoline blend components, finished aviation gasoline, kerosene, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, and miscellaneous products.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

SPR: Strategic Petroleum Reserve

HC: Hydrocarbons

**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; and *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 4b. U.S. Hydrocarbon Gas Liquids (HGL) and Petroleum Refinery Balances (million barrels per day, except inventories and utilization factor)**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>HGL Production</b>															
<b>Natural Gas Processing Plants</b>															
Ethane .....	1.33	1.39	1.34	1.56	1.59	1.73	1.75	1.85	1.83	1.86	1.98	2.06	1.41	1.73	1.93
Propane .....	1.16	1.21	1.23	1.28	1.29	1.38	1.42	1.45	1.49	1.50	1.51	1.53	1.22	1.38	1.51
Butanes .....	0.63	0.65	0.67	0.69	0.69	0.72	0.76	0.78	0.79	0.81	0.81	0.82	0.66	0.74	0.81
Natural Gasoline (Pentanes Plus) .....	0.41	0.45	0.48	0.46	0.44	0.49	0.54	0.52	0.51	0.54	0.56	0.54	0.45	0.50	0.54
<b>Refinery and Blender Net Production</b>															
Ethane/Ethylene .....	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Propane .....	0.29	0.32	0.30	0.32	0.30	0.33	0.32	0.31	0.30	0.33	0.32	0.32	0.31	0.31	0.32
Propylene (refinery-grade) .....	0.27	0.29	0.27	0.30	0.28	0.29	0.28	0.29	0.28	0.29	0.28	0.28	0.29	0.28	0.28
Butanes/Butylenes .....	-0.09	0.27	0.16	-0.22	-0.11	0.25	0.19	-0.20	-0.08	0.26	0.19	-0.20	0.03	0.03	0.04
<b>Renewable Fuels and Oxygenate Plant Net Production</b>															
Natural Gasoline (Pentanes Plus) .....	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02
<b>HGL Net Imports</b>															
Ethane .....	-0.15	-0.16	-0.20	-0.21	-0.22	-0.30	-0.28	-0.29	-0.29	-0.29	-0.29	-0.31	-0.18	-0.27	-0.29
Propane/Propylene .....	-0.79	-0.71	-0.68	-0.83	-0.72	-0.78	-0.79	-0.97	-0.91	-0.95	-0.91	-0.98	-0.75	-0.81	-0.94
Butanes/Butylenes .....	-0.09	-0.12	-0.11	-0.11	-0.10	-0.19	-0.21	-0.19	-0.20	-0.23	-0.21	-0.21	-0.11	-0.17	-0.21
Natural Gasoline (Pentanes Plus) .....	-0.18	-0.18	-0.16	-0.14	-0.18	-0.22	-0.25	-0.25	-0.26	-0.25	-0.27	-0.27	-0.16	-0.23	-0.26
<b>HGL Refinery and Blender Net Inputs</b>															
Butanes/Butylenes .....	0.43	0.30	0.33	0.50	0.45	0.31	0.33	0.51	0.41	0.31	0.33	0.51	0.39	0.40	0.39
Natural Gasoline (Pentanes Plus) .....	0.16	0.18	0.18	0.19	0.15	0.17	0.18	0.18	0.17	0.18	0.18	0.18	0.18	0.17	0.18
<b>HGL Consumption</b>															
Ethane/Ethylene .....	1.19	1.23	1.13	1.33	1.44	1.46	1.48	1.58	1.56	1.55	1.72	1.78	1.22	1.49	1.65
Propane .....	1.05	0.60	0.67	0.85	1.16	0.64	0.67	0.97	1.08	0.60	0.67	0.99	0.79	0.86	0.83
Propylene (refinery-grade) .....	0.34	0.31	0.28	0.32	0.32	0.30	0.30	0.30	0.31	0.31	0.30	0.29	0.31	0.30	0.30
Butanes/Butylenes .....	0.12	0.23	0.18	0.16	0.20	0.21	0.20	0.20	0.19	0.26	0.25	0.22	0.17	0.20	0.23
Natural Gasoline (Pentanes Plus) .....	0.10	0.08	0.08	0.15	0.10	0.06	0.06	0.08	0.07	0.06	0.07	0.08	0.10	0.08	0.07
<b>HGL Inventories (million barrels)</b>															
Ethane .....	49.65	51.89	51.77	57.73	51.41	48.38	47.33	47.66	44.35	47.10	45.38	44.51	52.78	48.68	45.34
Propane .....	40.23	57.06	71.59	62.37	33.83	58.32	82.32	65.30	45.40	68.21	89.41	76.69	62.37	65.30	76.69
Propylene (refinery-grade) .....	3.75	4.01	5.21	4.82	3.82	4.64	4.88	5.14	4.24	4.08	4.39	5.04	4.82	5.14	5.04
Butanes/Butylenes .....	31.68	57.24	76.10	47.95	32.02	56.00	74.97	45.24	37.95	62.78	81.75	52.02	47.95	45.24	52.02
Natural Gasoline (Pentanes Plus) .....	21.49	20.55	23.40	20.14	19.36	20.80	22.56	21.72	20.63	22.95	24.51	23.39	20.14	21.72	23.39
<b>Refinery and Blender Net Inputs</b>															
Crude Oil .....	15.91	17.13	16.60	16.72	16.41	17.11	17.42	16.74	16.58	17.53	17.38	16.69	16.59	16.92	17.05
Hydrocarbon Gas Liquids .....	0.58	0.48	0.51	0.69	0.61	0.48	0.51	0.69	0.58	0.48	0.51	0.69	0.57	0.57	0.57
Other Hydrocarbons/Oxygenates .....	1.16	1.24	1.22	1.21	1.16	1.23	1.28	1.26	1.20	1.28	1.30	1.29	1.21	1.23	1.27
Unfinished Oils .....	0.25	0.33	0.38	0.45	0.12	0.45	0.45	0.39	0.26	0.43	0.46	0.38	0.36	0.35	0.38
Motor Gasoline Blend Components .....	0.39	0.65	0.67	0.22	0.34	0.63	0.63	0.47	0.57	0.84	0.66	0.49	0.49	0.52	0.64
Aviation Gasoline Blend Components .....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Refinery and Blender Net Inputs .....	18.30	19.83	19.38	19.30	18.63	19.90	20.29	19.54	19.18	20.56	20.32	19.53	19.21	19.60	19.90
<b>Refinery Processing Gain</b>															
.....	1.09	1.13	1.07	1.12	1.11	1.13	1.14	1.12	1.09	1.13	1.13	1.12	1.10	1.13	1.12
<b>Refinery and Blender Net Production</b>															
Hydrocarbon Gas Liquids .....	0.48	0.89	0.73	0.40	0.48	0.87	0.79	0.40	0.51	0.88	0.79	0.40	0.63	0.64	0.65
Finished Motor Gasoline .....	9.57	10.10	10.04	10.13	9.79	10.07	10.21	10.23	9.98	10.41	10.26	10.23	9.96	10.07	10.22
Jet Fuel .....	1.63	1.74	1.75	1.69	1.72	1.83	1.87	1.75	1.70	1.82	1.87	1.75	1.70	1.79	1.79
Distillate Fuel .....	4.75	5.18	4.94	5.25	4.81	5.18	5.38	5.24	5.06	5.41	5.38	5.24	5.03	5.16	5.27
Residual Fuel .....	0.46	0.41	0.43	0.41	0.44	0.41	0.43	0.43	0.46	0.47	0.42	0.42	0.43	0.43	0.44
Other Oils (a) .....	2.50	2.64	2.56	2.53	2.49	2.66	2.75	2.62	2.57	2.70	2.73	2.60	2.56	2.63	2.65
Total Refinery and Blender Net Production .....	19.40	20.97	20.46	20.41	19.74	21.03	21.43	20.67	20.27	21.69	21.45	20.65	20.31	20.72	21.02
<b>Refinery Distillation Inputs</b>															
.....	16.23	17.42	16.90	17.00	16.76	17.43	17.60	16.95	16.78	17.62	17.57	16.91	16.89	17.19	17.22
<b>Refinery Operable Distillation Capacity</b>															
.....	18.62	18.58	18.55	18.52	18.57	18.60	18.60	18.60	18.61	18.61	18.64	18.65	18.57	18.59	18.63
<b>Refinery Distillation Utilization Factor</b>															
.....	0.87	0.94	0.91	0.92	0.90	0.94	0.95	0.91	0.90	0.95	0.94	0.91	0.91	0.92	0.92

- = no data available

(a) "Other Oils" includes aviation gasoline blend components, finished aviation gasoline, kerosene, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, and miscellaneous products.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.



**Table 4c. U.S. Regional Motor Gasoline Prices and Inventories**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Prices (cents per gallon)</b>															
<b>Refiner Wholesale Price</b> .....	163	165	172	175	186	214	210	198	194	209	204	187	169	202	199
<b>Gasoline Regular Grade Retail Prices Including Taxes</b>															
PADD 1 .....	231	233	241	249	255	279	280	276	272	284	281	268	239	273	276
PADD 2 .....	223	228	232	242	246	274	277	267	259	279	276	257	231	266	268
PADD 3 .....	210	216	222	225	230	261	260	248	244	259	254	237	218	250	248
PADD 4 .....	227	239	245	252	247	288	290	273	254	275	282	263	241	275	269
PADD 5 .....	276	289	290	299	312	342	334	317	308	335	330	305	288	327	320
U.S. Average .....	233	238	244	251	258	285	285	276	269	287	284	266	242	276	277
<b>Gasoline All Grades Including Taxes</b>	244	250	255	263	270	294	295	287	281	298	295	278	253	287	288
<b>End-of-period Inventories (million barrels)</b>															
<b>Total Gasoline Inventories</b>															
PADD 1 .....	65.3	67.2	58.8	60.6	58.4	65.5	62.3	65.2	66.7	67.4	63.8	67.1	60.6	65.2	67.1
PADD 2 .....	57.0	53.6	50.4	52.2	57.3	53.7	50.2	52.0	54.9	52.9	51.3	53.5	52.2	52.0	53.5
PADD 3 .....	79.1	82.4	78.5	83.2	84.2	82.6	80.9	83.9	83.8	83.2	83.3	86.5	83.2	83.9	86.5
PADD 4 .....	7.9	7.0	6.9	7.6	7.7	7.4	7.3	7.8	7.7	7.6	7.5	8.0	7.6	7.8	8.0
PADD 5 .....	29.7	27.7	29.2	33.1	32.0	30.5	28.8	31.5	30.3	28.7	28.5	31.8	33.1	31.5	31.8
U.S. Total .....	239.0	237.9	223.8	236.7	239.6	239.6	229.6	240.4	243.4	239.8	234.5	246.9	236.7	240.4	246.9
<b>Finished Gasoline Inventories</b>															
U.S. Total .....	21.7	22.5	21.8	24.6	23.1	23.4	24.2	27.5	25.2	24.1	24.8	25.5	24.6	27.5	25.5
<b>Gasoline Blending Components Inventories</b>															
U.S. Total .....	217.2	215.5	202.0	212.1	216.5	216.2	205.4	212.9	218.1	215.7	209.6	221.5	212.1	212.9	221.5

- = no data available

Prices are not adjusted for inflation.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to Petroleum Administration for Defense Districts (PADD).

 See "Petroleum for Administration Defense District" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports *Petroleum Marketing Monthly*, DOE/EIA-0380; *Petroleum Supply Monthly*, DOE/EIA-0109; *Petroleum Supply Annual*, DOE/EIA-0340/2; and *Weekly Petroleum Status Report*, DOE/EIA-0208.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 5a. U.S. Natural Gas Supply, Consumption, and Inventories**  
U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Supply (billion cubic feet per day)</b>															
Total Marketed Production .....	<b>76.32</b>	<b>77.36</b>	<b>79.30</b>	<b>82.72</b>	<b>84.28</b>	<b>87.13</b>	<i>88.77</i>	<i>89.83</i>	<i>90.68</i>	<i>91.01</i>	<i>91.16</i>	<i>91.66</i>	<b>78.94</b>	<i>87.52</i>	<i>91.13</i>
Alaska .....	<b>1.01</b>	<b>0.97</b>	<b>0.82</b>	<b>0.98</b>	<b>1.00</b>	<b>0.87</b>	<i>0.77</i>	<i>0.93</i>	<i>1.00</i>	<i>0.85</i>	<i>0.78</i>	<i>0.94</i>	<b>0.94</b>	<i>0.89</i>	<i>0.89</i>
Federal GOM (a) .....	<b>3.26</b>	<b>2.99</b>	<b>2.91</b>	<b>2.52</b>	<b>2.57</b>	<b>2.61</b>	<i>2.56</i>	<i>2.60</i>	<i>2.58</i>	<i>2.53</i>	<i>2.42</i>	<i>2.41</i>	<b>2.92</b>	<i>2.59</i>	<i>2.48</i>
Lower 48 States (excl GOM) .....	<b>72.05</b>	<b>73.40</b>	<b>75.56</b>	<b>79.22</b>	<b>80.72</b>	<b>83.65</b>	<i>85.44</i>	<i>86.29</i>	<i>87.09</i>	<i>87.63</i>	<i>87.97</i>	<i>88.31</i>	<b>75.08</b>	<i>84.04</i>	<i>87.75</i>
Total Dry Gas Production .....	<b>71.24</b>	<b>72.04</b>	<b>73.97</b>	<b>76.98</b>	<b>78.53</b>	<b>80.95</b>	<i>82.44</i>	<i>83.37</i>	<i>84.11</i>	<i>84.37</i>	<i>84.46</i>	<i>84.87</i>	<b>73.57</b>	<i>81.34</i>	<i>84.46</i>
LNG Gross Imports .....	<b>0.29</b>	<b>0.18</b>	<b>0.17</b>	<b>0.21</b>	<b>0.33</b>	<b>0.15</b>	<i>0.18</i>	<i>0.26</i>	<i>0.32</i>	<i>0.17</i>	<i>0.17</i>	<i>0.21</i>	<b>0.21</b>	<i>0.23</i>	<i>0.22</i>
LNG Gross Exports .....	<b>1.63</b>	<b>1.80</b>	<b>1.67</b>	<b>2.64</b>	<b>2.64</b>	<b>2.90</b>	<i>2.94</i>	<i>3.31</i>	<i>3.99</i>	<i>4.40</i>	<i>5.24</i>	<i>6.60</i>	<b>1.94</b>	<i>2.95</i>	<i>5.07</i>
Pipeline Gross Imports .....	<b>8.89</b>	<b>7.76</b>	<b>7.74</b>	<b>8.10</b>	<b>8.76</b>	<b>7.85</b>	<i>7.28</i>	<i>7.57</i>	<i>8.34</i>	<i>7.36</i>	<i>7.32</i>	<i>7.81</i>	<b>8.12</b>	<i>7.86</i>	<i>7.70</i>
Pipeline Gross Exports .....	<b>7.24</b>	<b>6.49</b>	<b>6.43</b>	<b>6.81</b>	<b>6.99</b>	<b>6.61</b>	<i>6.97</i>	<i>7.89</i>	<i>8.97</i>	<i>7.91</i>	<i>7.85</i>	<i>8.53</i>	<b>6.74</b>	<i>7.12</i>	<i>8.31</i>
Supplemental Gaseous Fuels .....	<b>0.16</b>	<b>0.13</b>	<b>0.16</b>	<b>0.16</b>	<b>0.17</b>	<b>0.16</b>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<b>0.15</b>	<i>0.17</i>	<i>0.17</i>
Net Inventory Withdrawals .....	<b>13.74</b>	<b>-9.02</b>	<b>-7.20</b>	<b>5.77</b>	<b>18.28</b>	<b>-8.77</b>	<i>-10.32</i>	<i>1.85</i>	<i>15.65</i>	<i>-10.84</i>	<i>-8.19</i>	<i>4.83</i>	<b>0.78</b>	<i>0.19</i>	<i>0.31</i>
Total Supply .....	<b>85.45</b>	<b>62.80</b>	<b>66.74</b>	<b>81.78</b>	<b>96.45</b>	<b>70.82</b>	<i>69.84</i>	<i>82.02</i>	<i>95.62</i>	<i>68.92</i>	<i>70.84</i>	<i>82.78</i>	<b>74.16</b>	<i>79.71</i>	<i>79.48</i>
Balancing Item (b) .....	<b>0.70</b>	<b>0.16</b>	<b>0.22</b>	<b>-0.84</b>	<b>0.79</b>	<b>-0.13</b>	<i>0.06</i>	<i>-0.96</i>	<i>0.39</i>	<i>-0.23</i>	<i>0.46</i>	<i>-0.28</i>	<b>0.06</b>	<i>-0.06</i>	<i>0.08</i>
Total Primary Supply .....	<b>86.15</b>	<b>62.96</b>	<b>66.96</b>	<b>80.94</b>	<b>97.24</b>	<b>70.70</b>	<i>69.90</i>	<i>81.06</i>	<i>96.01</i>	<i>68.69</i>	<i>71.30</i>	<i>82.50</i>	<b>74.22</b>	<i>79.65</i>	<i>79.57</i>
<b>Consumption (billion cubic feet per day)</b>															
Residential .....	<b>22.17</b>	<b>6.65</b>	<b>3.55</b>	<b>16.26</b>	<b>25.74</b>	<b>8.24</b>	<i>3.68</i>	<i>15.75</i>	<i>25.35</i>	<i>7.60</i>	<i>3.68</i>	<i>15.62</i>	<b>12.12</b>	<i>13.30</i>	<i>13.01</i>
Commercial .....	<b>13.50</b>	<b>5.83</b>	<b>4.55</b>	<b>11.01</b>	<b>15.35</b>	<b>6.74</b>	<i>4.51</i>	<i>9.88</i>	<i>14.58</i>	<i>6.14</i>	<i>4.52</i>	<i>9.86</i>	<b>8.70</b>	<i>9.10</i>	<i>8.75</i>
Industrial .....	<b>22.96</b>	<b>20.45</b>	<b>20.34</b>	<b>22.85</b>	<b>24.32</b>	<b>21.32</b>	<i>20.73</i>	<i>23.34</i>	<i>23.80</i>	<i>21.32</i>	<i>21.03</i>	<i>23.66</i>	<b>21.65</b>	<i>22.42</i>	<i>22.45</i>
Electric Power (c) .....	<b>20.95</b>	<b>24.00</b>	<b>32.28</b>	<b>24.03</b>	<b>24.53</b>	<b>27.60</b>	<i>34.11</i>	<i>24.86</i>	<i>24.59</i>	<i>26.52</i>	<i>34.82</i>	<i>25.68</i>	<b>25.34</b>	<i>27.79</i>	<i>27.92</i>
Lease and Plant Fuel .....	<b>4.26</b>	<b>4.32</b>	<b>4.43</b>	<b>4.62</b>	<b>4.71</b>	<b>4.86</b>	<i>4.96</i>	<i>5.01</i>	<i>5.06</i>	<i>5.08</i>	<i>5.09</i>	<i>5.12</i>	<b>4.41</b>	<i>4.89</i>	<i>5.09</i>
Pipeline and Distribution Use .....	<b>2.19</b>	<b>1.60</b>	<b>1.70</b>	<b>2.05</b>	<b>2.47</b>	<b>1.81</b>	<i>1.79</i>	<i>2.09</i>	<i>2.50</i>	<i>1.91</i>	<i>2.05</i>	<i>2.44</i>	<b>1.88</b>	<i>2.04</i>	<i>2.22</i>
Vehicle Use .....	<b>0.12</b>	<b>0.12</b>	<b>0.12</b>	<b>0.12</b>	<b>0.12</b>	<b>0.12</b>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<i>0.12</i>	<b>0.12</b>	<i>0.12</i>	<i>0.12</i>
Total Consumption .....	<b>86.15</b>	<b>62.96</b>	<b>66.96</b>	<b>80.94</b>	<b>97.24</b>	<b>70.70</b>	<i>69.90</i>	<i>81.06</i>	<i>96.01</i>	<i>68.69</i>	<i>71.30</i>	<i>82.50</i>	<b>74.22</b>	<i>79.65</i>	<i>79.57</i>
<b>End-of-period Inventories (billion cubic feet)</b>															
Working Gas Inventory .....	<b>2,063</b>	<b>2,907</b>	<b>3,567</b>	<b>3,032</b>	<b>1,391</b>	<b>2,193</b>	<i>3,143</i>	<i>2,972</i>	<i>1,564</i>	<i>2,550</i>	<i>3,304</i>	<i>2,859</i>	<b>3,032</b>	<i>2,972</i>	<i>2,859</i>
East Region (d) .....	<b>260</b>	<b>563</b>	<b>866</b>	<b>710</b>	<b>229</b>	<b>459</b>	<i>774</i>	<i>711</i>	<i>247</i>	<i>540</i>	<i>820</i>	<i>648</i>	<b>710</b>	<i>711</i>	<i>648</i>
Midwest Region (d) .....	<b>477</b>	<b>701</b>	<b>993</b>	<b>829</b>	<b>261</b>	<b>456</b>	<i>858</i>	<i>763</i>	<i>292</i>	<i>565</i>	<i>902</i>	<i>775</i>	<b>829</b>	<i>763</i>	<i>775</i>
South Central Region (d) .....	<b>938</b>	<b>1,139</b>	<b>1,137</b>	<b>1,016</b>	<b>614</b>	<b>850</b>	<i>996</i>	<i>1,023</i>	<i>678</i>	<i>949</i>	<i>1,015</i>	<i>942</i>	<b>1,016</b>	<i>1,023</i>	<i>942</i>
Mountain Region (d) .....	<b>142</b>	<b>184</b>	<b>218</b>	<b>177</b>	<b>87</b>	<b>138</b>	<i>191</i>	<i>179</i>	<i>123</i>	<i>164</i>	<i>202</i>	<i>168</i>	<b>177</b>	<i>179</i>	<i>168</i>
Pacific Region (d) .....	<b>219</b>	<b>288</b>	<b>314</b>	<b>264</b>	<b>169</b>	<b>256</b>	<i>290</i>	<i>262</i>	<i>190</i>	<i>298</i>	<i>331</i>	<i>291</i>	<b>264</b>	<i>262</i>	<i>291</i>
Alaska .....	<b>27</b>	<b>32</b>	<b>39</b>	<b>36</b>	<b>31</b>	<b>34</b>	<i>34</i>	<i>34</i>	<i>34</i>	<i>34</i>	<i>34</i>	<i>34</i>	<b>36</b>	<i>34</i>	<i>34</i>

- = no data available

(a) Marketed production from U.S. Federal leases in the Gulf of Mexico.

(b) The balancing item represents the difference between the sum of the components of natural gas supply and the sum of components of natural gas demand.

(c) Natural gas used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

(d) For a list of States in each inventory region refer to *Weekly Natural Gas Storage Report, Notes and Definitions* (<http://ir.eia.gov/ngs/notes.html>).

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

LNG: liquefied natural gas.

**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Natural Gas Monthly*, DOE/EIA-0130; and *Electric Power Monthly*, DOE/EIA-0226.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 5b. U.S. Regional Natural Gas Prices (dollars per thousand cubic feet)**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Wholesale/Spot</b>															
Henry Hub Spot Price .....	<b>3.12</b>	<b>3.19</b>	<b>3.06</b>	<b>3.01</b>	<b>3.13</b>	<b>2.96</b>	<i>3.10</i>	<i>3.22</i>	<i>3.27</i>	<i>3.01</i>	<i>3.08</i>	<i>3.24</i>	<b>3.10</b>	<i>3.10</i>	<i>3.15</i>
<b>Residential Retail</b>															
New England .....	<b>12.85</b>	<b>14.08</b>	<b>18.12</b>	<b>13.57</b>	<b>14.56</b>	<b>16.66</b>	<i>17.45</i>	<i>13.60</i>	<i>13.07</i>	<i>13.96</i>	<i>17.17</i>	<i>13.63</i>	<b>13.60</b>	<i>14.84</i>	<i>13.65</i>
Middle Atlantic .....	<b>9.92</b>	<b>12.18</b>	<b>17.11</b>	<b>11.33</b>	<b>10.15</b>	<b>11.71</b>	<i>16.22</i>	<i>10.81</i>	<i>10.06</i>	<i>12.00</i>	<i>16.62</i>	<i>11.08</i>	<b>11.17</b>	<i>10.99</i>	<i>11.11</i>
E. N. Central .....	<b>7.77</b>	<b>11.52</b>	<b>17.80</b>	<b>7.81</b>	<b>7.20</b>	<b>9.33</b>	<i>16.24</i>	<i>8.79</i>	<i>7.98</i>	<i>10.70</i>	<i>16.56</i>	<i>8.94</i>	<b>8.86</b>	<i>8.54</i>	<i>9.24</i>
W. N. Central .....	<b>8.32</b>	<b>11.85</b>	<b>18.79</b>	<b>9.56</b>	<b>8.17</b>	<b>9.93</b>	<i>17.59</i>	<i>10.10</i>	<i>9.36</i>	<i>12.12</i>	<i>17.72</i>	<i>9.89</i>	<b>9.80</b>	<i>9.53</i>	<i>10.46</i>
S. Atlantic .....	<b>12.29</b>	<b>20.05</b>	<b>26.86</b>	<b>13.20</b>	<b>11.09</b>	<b>14.83</b>	<i>22.12</i>	<i>12.75</i>	<i>11.22</i>	<i>16.16</i>	<i>22.51</i>	<i>12.98</i>	<b>14.63</b>	<i>12.89</i>	<i>13.17</i>
E. S. Central .....	<b>10.53</b>	<b>15.83</b>	<b>20.82</b>	<b>11.32</b>	<b>9.71</b>	<b>12.58</b>	<i>19.59</i>	<i>12.30</i>	<i>10.00</i>	<i>14.41</i>	<i>20.59</i>	<i>12.91</i>	<b>12.05</b>	<i>11.42</i>	<i>11.95</i>
W. S. Central .....	<b>10.33</b>	<b>16.49</b>	<b>22.10</b>	<b>13.09</b>	<b>9.34</b>	<b>13.94</b>	<i>19.82</i>	<i>11.62</i>	<i>8.39</i>	<i>13.86</i>	<i>20.25</i>	<i>11.76</i>	<b>13.18</b>	<i>11.58</i>	<i>11.06</i>
Mountain .....	<b>8.21</b>	<b>10.17</b>	<b>13.91</b>	<b>8.76</b>	<b>8.22</b>	<b>9.74</b>	<i>13.66</i>	<i>9.11</i>	<i>8.96</i>	<i>10.27</i>	<i>13.89</i>	<i>9.23</i>	<b>9.14</b>	<i>9.15</i>	<i>9.66</i>
Pacific .....	<b>12.02</b>	<b>12.64</b>	<b>12.90</b>	<b>11.30</b>	<b>11.63</b>	<b>11.82</b>	<i>12.81</i>	<i>11.59</i>	<i>12.46</i>	<i>12.57</i>	<i>12.88</i>	<i>11.78</i>	<b>12.01</b>	<i>11.79</i>	<i>12.32</i>
U.S. Average .....	<b>9.73</b>	<b>13.00</b>	<b>17.74</b>	<b>10.19</b>	<b>9.39</b>	<b>11.47</b>	<i>16.52</i>	<i>10.57</i>	<i>9.72</i>	<i>12.26</i>	<i>16.80</i>	<i>10.74</i>	<b>10.92</b>	<i>10.56</i>	<i>10.90</i>
<b>Commercial Retail</b>															
New England .....	<b>9.55</b>	<b>9.97</b>	<b>10.61</b>	<b>9.53</b>	<b>11.09</b>	<b>12.18</b>	<i>11.17</i>	<i>10.50</i>	<i>10.43</i>	<i>10.37</i>	<i>10.17</i>	<i>9.99</i>	<b>9.71</b>	<i>11.12</i>	<i>10.27</i>
Middle Atlantic .....	<b>7.66</b>	<b>7.42</b>	<b>6.82</b>	<b>7.38</b>	<b>8.10</b>	<b>7.58</b>	<i>6.94</i>	<i>7.50</i>	<i>7.68</i>	<i>7.55</i>	<i>7.01</i>	<i>7.61</i>	<b>7.43</b>	<i>7.69</i>	<i>7.55</i>
E. N. Central .....	<b>6.63</b>	<b>7.90</b>	<b>8.98</b>	<b>6.21</b>	<b>6.19</b>	<b>6.85</b>	<i>8.72</i>	<i>6.92</i>	<i>6.66</i>	<i>7.59</i>	<i>8.99</i>	<i>7.06</i>	<b>6.84</b>	<i>6.70</i>	<i>7.11</i>
W. N. Central .....	<b>6.96</b>	<b>7.80</b>	<b>9.11</b>	<b>7.04</b>	<b>7.00</b>	<b>6.90</b>	<i>8.81</i>	<i>7.40</i>	<i>7.63</i>	<i>7.94</i>	<i>8.96</i>	<i>7.43</i>	<b>7.28</b>	<i>7.23</i>	<i>7.73</i>
S. Atlantic .....	<b>8.89</b>	<b>10.00</b>	<b>9.56</b>	<b>8.91</b>	<b>8.32</b>	<b>9.10</b>	<i>9.62</i>	<i>8.76</i>	<i>8.63</i>	<i>9.51</i>	<i>9.93</i>	<i>9.01</i>	<b>9.16</b>	<i>8.73</i>	<i>9.05</i>
E. S. Central .....	<b>9.05</b>	<b>10.28</b>	<b>10.76</b>	<b>9.30</b>	<b>8.69</b>	<b>9.11</b>	<i>10.00</i>	<i>9.05</i>	<i>8.61</i>	<i>9.58</i>	<i>10.08</i>	<i>9.05</i>	<b>9.53</b>	<i>9.01</i>	<i>9.05</i>
W. S. Central .....	<b>7.63</b>	<b>8.20</b>	<b>8.86</b>	<b>8.18</b>	<b>7.24</b>	<b>7.74</b>	<i>8.45</i>	<i>7.80</i>	<i>7.30</i>	<i>7.71</i>	<i>8.28</i>	<i>7.71</i>	<b>8.09</b>	<i>7.65</i>	<i>7.63</i>
Mountain .....	<b>6.88</b>	<b>7.37</b>	<b>8.27</b>	<b>7.21</b>	<b>6.99</b>	<b>7.26</b>	<i>8.28</i>	<i>7.28</i>	<i>7.50</i>	<i>7.76</i>	<i>8.48</i>	<i>7.40</i>	<b>7.22</b>	<i>7.26</i>	<i>7.62</i>
Pacific .....	<b>9.09</b>	<b>9.06</b>	<b>9.08</b>	<b>8.54</b>	<b>8.91</b>	<b>8.66</b>	<i>8.89</i>	<i>8.55</i>	<i>8.77</i>	<i>8.81</i>	<i>9.09</i>	<i>8.78</i>	<b>8.92</b>	<i>8.75</i>	<i>8.83</i>
U.S. Average .....	<b>7.71</b>	<b>8.33</b>	<b>8.69</b>	<b>7.56</b>	<b>7.66</b>	<b>7.98</b>	<i>8.56</i>	<i>7.87</i>	<i>7.79</i>	<i>8.23</i>	<i>8.64</i>	<i>7.95</i>	<b>7.87</b>	<i>7.87</i>	<i>8.00</i>
<b>Industrial Retail</b>															
New England .....	<b>7.81</b>	<b>7.04</b>	<b>6.39</b>	<b>7.05</b>	<b>9.05</b>	<b>8.91</b>	<i>7.10</i>	<i>7.94</i>	<i>8.37</i>	<i>7.61</i>	<i>7.06</i>	<i>8.11</i>	<b>7.19</b>	<i>8.38</i>	<i>7.91</i>
Middle Atlantic .....	<b>7.69</b>	<b>7.59</b>	<b>7.62</b>	<b>7.18</b>	<b>8.29</b>	<b>7.76</b>	<i>7.47</i>	<i>7.65</i>	<i>8.00</i>	<i>7.33</i>	<i>7.35</i>	<i>7.63</i>	<b>7.53</b>	<i>7.94</i>	<i>7.72</i>
E. N. Central .....	<b>5.86</b>	<b>5.96</b>	<b>5.59</b>	<b>5.30</b>	<b>5.74</b>	<b>5.12</b>	<i>5.94</i>	<i>6.02</i>	<i>6.58</i>	<i>6.16</i>	<i>6.00</i>	<i>5.97</i>	<b>5.66</b>	<i>5.73</i>	<i>6.26</i>
W. N. Central .....	<b>5.01</b>	<b>4.29</b>	<b>4.25</b>	<b>4.68</b>	<b>5.04</b>	<b>4.40</b>	<i>4.68</i>	<i>5.31</i>	<i>5.78</i>	<i>4.82</i>	<i>4.59</i>	<i>5.23</i>	<b>4.60</b>	<i>4.89</i>	<i>5.16</i>
S. Atlantic .....	<b>5.35</b>	<b>5.00</b>	<b>4.88</b>	<b>4.93</b>	<b>5.39</b>	<b>4.75</b>	<i>4.83</i>	<i>5.18</i>	<i>5.48</i>	<i>4.85</i>	<i>4.86</i>	<i>5.26</i>	<b>5.05</b>	<i>5.06</i>	<i>5.14</i>
E. S. Central .....	<b>5.06</b>	<b>4.59</b>	<b>4.40</b>	<b>4.56</b>	<b>4.99</b>	<b>4.30</b>	<i>4.39</i>	<i>4.84</i>	<i>4.99</i>	<i>4.46</i>	<i>4.45</i>	<i>4.89</i>	<b>4.67</b>	<i>4.65</i>	<i>4.71</i>
W. S. Central .....	<b>3.42</b>	<b>3.42</b>	<b>3.30</b>	<b>3.14</b>	<b>3.34</b>	<b>3.14</b>	<i>3.38</i>	<i>3.47</i>	<i>3.51</i>	<i>3.20</i>	<i>3.33</i>	<i>3.48</i>	<b>3.32</b>	<i>3.33</i>	<i>3.38</i>
Mountain .....	<b>5.31</b>	<b>5.36</b>	<b>5.61</b>	<b>5.50</b>	<b>5.41</b>	<b>5.23</b>	<i>5.88</i>	<i>6.02</i>	<i>6.13</i>	<i>5.78</i>	<i>5.98</i>	<i>6.04</i>	<b>5.43</b>	<i>5.64</i>	<i>6.00</i>
Pacific .....	<b>7.31</b>	<b>6.71</b>	<b>6.32</b>	<b>6.35</b>	<b>7.05</b>	<b>6.28</b>	<i>6.52</i>	<i>6.66</i>	<i>7.07</i>	<i>6.47</i>	<i>6.60</i>	<i>6.72</i>	<b>6.71</b>	<i>6.65</i>	<i>6.74</i>
U.S. Average .....	<b>4.50</b>	<b>4.11</b>	<b>3.89</b>	<b>4.00</b>	<b>4.48</b>	<b>3.86</b>	<i>3.96</i>	<i>4.33</i>	<i>4.62</i>	<i>3.95</i>	<i>3.93</i>	<i>4.36</i>	<b>4.14</b>	<i>4.17</i>	<i>4.23</i>

- = no data available

Prices are not adjusted for inflation.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

 See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

**Historical data:** Latest data available from Energy Information Administration databases supporting the *Natural Gas Monthly*, DOE/EIA-0130.

 Natural gas Henry Hub spot price from Reuter's News Service (<http://www.reuters.com>).

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 6. U.S. Coal Supply, Consumption, and Inventories**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Supply (million short tons)</b>															
Production .....	<b>197.0</b>	<b>187.1</b>	<b>196.2</b>	<b>193.8</b>	<b>191.1</b>	<b>184.3</b>	<i>202.8</i>	<i>195.0</i>	<i>193.7</i>	<i>159.2</i>	<i>201.7</i>	<i>191.6</i>	<b>774.1</b>	<i>773.2</i>	<i>746.2</i>
Appalachia .....	<b>50.7</b>	<b>51.2</b>	<b>46.3</b>	<b>50.2</b>	<b>50.5</b>	<b>49.4</b>	<i>45.4</i>	<i>41.8</i>	<i>44.7</i>	<i>37.7</i>	<i>38.5</i>	<i>38.3</i>	<b>198.5</b>	<i>187.1</i>	<i>159.3</i>
Interior .....	<b>38.5</b>	<b>36.4</b>	<b>34.9</b>	<b>35.6</b>	<b>35.3</b>	<b>34.1</b>	<i>41.0</i>	<i>42.3</i>	<i>44.8</i>	<i>34.0</i>	<i>42.5</i>	<i>42.5</i>	<b>145.4</b>	<i>152.7</i>	<i>163.8</i>
Western .....	<b>107.8</b>	<b>99.4</b>	<b>115.0</b>	<b>108.0</b>	<b>105.2</b>	<b>100.8</b>	<i>116.5</i>	<i>110.9</i>	<i>104.2</i>	<i>87.5</i>	<i>120.7</i>	<i>110.8</i>	<b>430.2</b>	<i>433.4</i>	<i>423.2</i>
Primary Inventory Withdrawals .....	<b>0.1</b>	<b>1.8</b>	<b>1.4</b>	<b>0.9</b>	<b>-2.8</b>	<b>2.2</b>	<i>0.9</i>	<i>-0.5</i>	<i>-3.9</i>	<i>1.6</i>	<i>1.3</i>	<i>-3.0</i>	<b>4.2</b>	<i>-0.1</i>	<i>-4.0</i>
Imports .....	<b>1.9</b>	<b>2.2</b>	<b>2.3</b>	<b>1.4</b>	<b>1.4</b>	<b>1.8</b>	<i>2.6</i>	<i>2.4</i>	<i>1.4</i>	<i>2.3</i>	<i>2.9</i>	<i>2.6</i>	<b>7.8</b>	<i>8.1</i>	<i>9.3</i>
Exports .....	<b>22.3</b>	<b>21.8</b>	<b>24.6</b>	<b>28.2</b>	<b>27.2</b>	<b>30.0</b>	<i>23.8</i>	<i>23.0</i>	<i>24.5</i>	<i>24.3</i>	<i>25.1</i>	<i>24.9</i>	<b>97.0</b>	<i>104.0</i>	<i>98.7</i>
Metallurgical Coal .....	<b>12.2</b>	<b>13.5</b>	<b>14.8</b>	<b>14.8</b>	<b>14.9</b>	<b>16.3</b>	<i>13.6</i>	<i>13.1</i>	<i>14.0</i>	<i>13.6</i>	<i>14.1</i>	<i>13.9</i>	<b>55.3</b>	<i>57.9</i>	<i>55.6</i>
Steam Coal .....	<b>10.1</b>	<b>8.3</b>	<b>9.8</b>	<b>13.4</b>	<b>12.3</b>	<b>13.7</b>	<i>10.2</i>	<i>9.9</i>	<i>10.5</i>	<i>10.6</i>	<i>11.0</i>	<i>11.1</i>	<b>41.7</b>	<i>46.1</i>	<i>43.1</i>
Total Primary Supply .....	<b>176.8</b>	<b>169.2</b>	<b>175.3</b>	<b>167.9</b>	<b>162.5</b>	<b>158.3</b>	<i>182.6</i>	<i>173.8</i>	<i>166.7</i>	<i>138.8</i>	<i>180.9</i>	<i>166.3</i>	<b>689.1</b>	<i>677.2</i>	<i>652.7</i>
Secondary Inventory Withdrawals .....	<b>1.0</b>	<b>3.7</b>	<b>18.2</b>	<b>2.4</b>	<b>11.1</b>	<b>4.7</b>	<i>11.8</i>	<i>-8.0</i>	<i>1.3</i>	<i>1.9</i>	<i>5.4</i>	<i>-9.3</i>	<b>25.2</b>	<i>19.5</i>	<i>-0.7</i>
Waste Coal (a) .....	<b>2.5</b>	<b>1.8</b>	<b>2.3</b>	<b>2.1</b>	<b>2.4</b>	<b>2.4</b>	<i>2.4</i>	<i>2.4</i>	<i>2.4</i>	<i>2.4</i>	<i>2.4</i>	<i>2.4</i>	<b>8.7</b>	<i>9.6</i>	<i>9.6</i>
Total Supply .....	<b>180.3</b>	<b>174.8</b>	<b>195.8</b>	<b>172.3</b>	<b>175.9</b>	<b>165.4</b>	<i>196.7</i>	<i>168.2</i>	<i>170.4</i>	<i>143.1</i>	<i>188.7</i>	<i>159.4</i>	<b>723.1</b>	<i>706.2</i>	<i>661.6</i>
<b>Consumption (million short tons)</b>															
Coke Plants .....	<b>4.2</b>	<b>4.3</b>	<b>4.5</b>	<b>4.5</b>	<b>4.2</b>	<b>3.3</b>	<i>4.1</i>	<i>5.0</i>	<i>3.7</i>	<i>3.5</i>	<i>4.2</i>	<i>5.3</i>	<b>17.5</b>	<i>16.6</i>	<i>16.8</i>
Electric Power Sector (b) .....	<b>160.3</b>	<b>154.2</b>	<b>190.6</b>	<b>159.6</b>	<b>155.0</b>	<b>147.0</b>	<i>184.4</i>	<i>154.6</i>	<i>157.8</i>	<i>131.5</i>	<i>176.3</i>	<i>145.7</i>	<b>664.7</b>	<i>641.0</i>	<i>611.3</i>
Retail and Other Industry .....	<b>8.9</b>	<b>8.3</b>	<b>8.8</b>	<b>8.7</b>	<b>8.8</b>	<b>8.3</b>	<i>8.2</i>	<i>8.5</i>	<i>8.8</i>	<i>8.2</i>	<i>8.1</i>	<i>8.4</i>	<b>34.7</b>	<i>33.9</i>	<i>33.5</i>
Residential and Commercial .....	<b>0.4</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>0.3</b>	<b>0.1</b>	<i>0.1</i>	<i>0.2</i>	<i>0.2</i>	<i>0.1</i>	<i>0.1</i>	<i>0.2</i>	<b>1.1</b>	<i>0.7</i>	<i>0.5</i>
Other Industrial .....	<b>8.5</b>	<b>8.1</b>	<b>8.6</b>	<b>8.4</b>	<b>8.6</b>	<b>8.1</b>	<i>8.1</i>	<i>8.3</i>	<i>8.6</i>	<i>8.1</i>	<i>8.1</i>	<i>8.2</i>	<b>33.6</b>	<i>33.2</i>	<i>33.0</i>
Total Consumption .....	<b>173.5</b>	<b>166.8</b>	<b>203.9</b>	<b>172.7</b>	<b>168.0</b>	<b>158.6</b>	<i>196.7</i>	<i>168.2</i>	<i>170.4</i>	<i>143.1</i>	<i>188.7</i>	<i>159.4</i>	<b>717.0</b>	<i>691.6</i>	<i>661.6</i>
Discrepancy (c) .....	<b>6.8</b>	<b>7.9</b>	<b>-8.1</b>	<b>-0.4</b>	<b>7.9</b>	<b>6.8</b>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<i>0.0</i>	<b>6.2</b>	<i>14.7</i>	<i>0.0</i>
<b>End-of-period Inventories (million short tons)</b>															
Primary Inventories (d) .....	<b>25.2</b>	<b>23.4</b>	<b>22.0</b>	<b>21.1</b>	<b>23.9</b>	<b>21.6</b>	<i>20.7</i>	<i>21.2</i>	<i>25.1</i>	<i>23.5</i>	<i>22.3</i>	<i>25.3</i>	<b>21.1</b>	<i>21.2</i>	<i>25.3</i>
Secondary Inventories .....	<b>166.6</b>	<b>163.0</b>	<b>144.8</b>	<b>142.4</b>	<b>131.4</b>	<b>126.7</b>	<i>114.9</i>	<i>123.0</i>	<i>121.7</i>	<i>119.7</i>	<i>114.3</i>	<i>123.6</i>	<b>142.4</b>	<i>123.0</i>	<i>123.6</i>
Electric Power Sector .....	<b>161.7</b>	<b>157.7</b>	<b>139.3</b>	<b>137.2</b>	<b>126.4</b>	<b>121.5</b>	<i>109.5</i>	<i>117.6</i>	<i>116.7</i>	<i>114.4</i>	<i>108.8</i>	<i>118.1</i>	<b>137.2</b>	<i>117.6</i>	<i>118.1</i>
Retail and General Industry .....	<b>3.2</b>	<b>3.3</b>	<b>3.5</b>	<b>3.2</b>	<b>3.4</b>	<b>3.4</b>	<i>3.5</i>	<i>3.4</i>	<i>3.5</i>	<i>3.5</i>	<i>3.6</i>	<i>3.6</i>	<b>3.2</b>	<i>3.4</i>	<i>3.6</i>
Coke Plants .....	<b>1.4</b>	<b>1.6</b>	<b>1.7</b>	<b>1.7</b>	<b>1.3</b>	<b>1.6</b>	<i>1.6</i>	<i>1.7</i>	<i>1.2</i>	<i>1.5</i>	<i>1.6</i>	<i>1.6</i>	<b>1.7</b>	<i>1.7</i>	<i>1.6</i>
<b>Coal Market Indicators</b>															
Coal Miner Productivity															
(Tons per hour) .....	<b>6.19</b>	<b>6.19</b>	<b>6.19</b>	<b>6.19</b>	<b>6.10</b>	<b>6.10</b>	<i>6.10</i>	<i>6.10</i>	<i>6.02</i>	<i>6.02</i>	<i>6.02</i>	<i>6.02</i>	<b>6.19</b>	<i>6.10</i>	<i>6.02</i>
Total Raw Steel Production															
(Million short tons per day) .....	<b>0.248</b>	<b>0.247</b>	<b>0.250</b>	<b>0.245</b>	<b>0.251</b>	<b>0.253</b>	<i>0.241</i>	<i>0.212</i>	<i>0.268</i>	<i>0.262</i>	<i>0.242</i>	<i>0.209</i>	<b>0.248</b>	<i>0.239</i>	<i>0.245</i>
Cost of Coal to Electric Utilities															
(Dollars per million Btu) .....	<b>2.08</b>	<b>2.12</b>	<b>2.07</b>	<b>2.04</b>	<b>2.06</b>	<b>2.09</b>	<i>2.12</i>	<i>2.11</i>	<i>2.09</i>	<i>2.08</i>	<i>2.09</i>	<i>2.08</i>	<b>2.08</b>	<i>2.10</i>	<i>2.09</i>

- = no data available

(a) Waste coal includes waste coal and coal slurry reprocessed into briquettes.

(b) Coal used for electricity generation and (a limited amount of) useful thermal output by electric utilities and independent power producers.

(c) The discrepancy reflects an unaccounted-for shipper and receiver reporting difference, assumed to be zero in the forecast period.

(d) Primary stocks are held at the mines and distribution points.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Quarterly Coal Report*, DOE/EIA-0121; and *Electric Power Monthly*, DOE/EIA-0226.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 7a. U.S. Electricity Industry Overview**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Electricity Supply (billion kilowatthours per day)</b>															
Electricity Generation .....	<b>10.58</b>	<b>10.69</b>	<b>12.15</b>	<b>10.57</b>	<b>11.11</b>	<b>11.18</b>	<i>12.34</i>	<i>10.55</i>	<i>11.02</i>	<i>10.70</i>	<i>12.43</i>	<i>10.62</i>	<b>11.00</b>	<i>11.30</i>	<i>11.20</i>
Electric Power Sector (a) .....	<b>10.15</b>	<b>10.27</b>	<b>11.71</b>	<b>10.14</b>	<b>10.67</b>	<b>10.75</b>	<i>11.90</i>	<i>10.13</i>	<i>10.58</i>	<i>10.27</i>	<i>11.98</i>	<i>10.18</i>	<b>10.57</b>	<i>10.86</i>	<i>10.76</i>
Comm. and Indus. Sectors (b) .....	<b>0.43</b>	<b>0.42</b>	<b>0.44</b>	<b>0.42</b>	<b>0.43</b>	<b>0.42</b>	<i>0.44</i>	<i>0.43</i>	<i>0.44</i>	<i>0.43</i>	<i>0.45</i>	<i>0.43</i>	<b>0.43</b>	<i>0.43</i>	<i>0.44</i>
Net Imports .....	<b>0.13</b>	<b>0.14</b>	<b>0.15</b>	<b>0.13</b>	<b>0.14</b>	<b>0.17</b>	<i>0.21</i>	<i>0.16</i>	<i>0.17</i>	<i>0.17</i>	<i>0.19</i>	<i>0.15</i>	<b>0.14</b>	<i>0.17</i>	<i>0.17</i>
Total Supply .....	<b>10.71</b>	<b>10.83</b>	<b>12.30</b>	<b>10.70</b>	<b>11.25</b>	<b>11.34</b>	<i>12.55</i>	<i>10.72</i>	<i>11.19</i>	<i>10.87</i>	<i>12.62</i>	<i>10.76</i>	<b>11.14</b>	<i>11.47</i>	<i>11.36</i>
Losses and Unaccounted for (c) .....	<b>0.58</b>	<b>0.76</b>	<b>0.63</b>	<b>0.72</b>	<b>0.66</b>	<b>1.06</b>	<i>0.69</i>	<i>0.67</i>	<i>0.58</i>	<i>0.81</i>	<i>0.73</i>	<i>0.68</i>	<b>0.67</b>	<i>0.77</i>	<i>0.70</i>
<b>Electricity Consumption (billion kilowatthours per day unless noted)</b>															
Retail Sales .....	<b>9.75</b>	<b>9.70</b>	<b>11.28</b>	<b>9.60</b>	<b>10.20</b>	<b>9.90</b>	<i>11.48</i>	<i>9.67</i>	<i>10.23</i>	<i>9.68</i>	<i>11.50</i>	<i>9.71</i>	<b>10.09</b>	<i>10.31</i>	<i>10.28</i>
Residential Sector .....	<b>3.71</b>	<b>3.43</b>	<b>4.46</b>	<b>3.51</b>	<b>4.09</b>	<b>3.58</b>	<i>4.59</i>	<i>3.54</i>	<i>4.08</i>	<i>3.39</i>	<i>4.59</i>	<i>3.57</i>	<b>3.78</b>	<i>3.95</i>	<i>3.91</i>
Commercial Sector .....	<b>3.51</b>	<b>3.64</b>	<b>4.08</b>	<b>3.55</b>	<b>3.59</b>	<b>3.67</b>	<i>4.11</i>	<i>3.56</i>	<i>3.60</i>	<i>3.62</i>	<i>4.12</i>	<i>3.57</i>	<b>3.70</b>	<i>3.73</i>	<i>3.73</i>
Industrial Sector .....	<b>2.50</b>	<b>2.62</b>	<b>2.72</b>	<b>2.53</b>	<b>2.50</b>	<b>2.63</b>	<i>2.76</i>	<i>2.55</i>	<i>2.52</i>	<i>2.65</i>	<i>2.77</i>	<i>2.55</i>	<b>2.59</b>	<i>2.61</i>	<i>2.62</i>
Transportation Sector .....	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<b>0.02</b>	<i>0.02</i>	<i>0.02</i>
Direct Use (d) .....	<b>0.38</b>	<b>0.37</b>	<b>0.38</b>	<b>0.37</b>	<b>0.38</b>	<b>0.37</b>	<i>0.39</i>	<i>0.38</i>	<i>0.38</i>	<i>0.38</i>	<i>0.40</i>	<i>0.38</i>	<b>0.38</b>	<i>0.38</i>	<i>0.39</i>
Total Consumption .....	<b>10.13</b>	<b>10.08</b>	<b>11.66</b>	<b>9.98</b>	<b>10.59</b>	<b>10.28</b>	<i>11.87</i>	<i>10.04</i>	<i>10.61</i>	<i>10.06</i>	<i>11.90</i>	<i>10.09</i>	<b>10.47</b>	<i>10.69</i>	<i>10.67</i>
Average residential electricity usage per customer (kWh) .....	<b>2,532</b>	<b>2,365</b>	<b>3,109</b>	<b>2,446</b>	<b>2,759</b>	<b>2,525</b>	<i>3,165</i>	<i>2,441</i>	<i>2,724</i>	<i>2,286</i>	<i>3,131</i>	<i>2,431</i>	<b>10,453</b>	<i>10,890</i>	<i>10,571</i>
<b>Prices</b>															
<b>Power Generation Fuel Costs (dollars per million Btu)</b>															
Coal .....	<b>2.08</b>	<b>2.12</b>	<b>2.07</b>	<b>2.04</b>	<b>2.06</b>	<b>2.09</b>	<i>2.12</i>	<i>2.11</i>	<i>2.09</i>	<i>2.08</i>	<i>2.09</i>	<i>2.08</i>	<b>2.08</b>	<i>2.10</i>	<i>2.09</i>
Natural Gas .....	<b>3.69</b>	<b>3.38</b>	<b>3.19</b>	<b>3.38</b>	<b>3.98</b>	<b>3.07</b>	<i>3.20</i>	<i>3.54</i>	<i>3.70</i>	<i>3.13</i>	<i>3.15</i>	<i>3.50</i>	<b>3.38</b>	<i>3.41</i>	<i>3.35</i>
Residual Fuel Oil .....	<b>11.16</b>	<b>10.60</b>	<b>10.03</b>	<b>11.93</b>	<b>11.47</b>	<b>13.77</b>	<i>13.83</i>	<i>13.57</i>	<i>13.63</i>	<i>13.98</i>	<i>13.15</i>	<i>12.77</i>	<b>10.97</b>	<i>12.88</i>	<i>13.40</i>
Distillate Fuel Oil .....	<b>12.74</b>	<b>12.23</b>	<b>13.13</b>	<b>14.54</b>	<b>15.77</b>	<b>16.56</b>	<i>17.09</i>	<i>17.00</i>	<i>16.46</i>	<i>16.31</i>	<i>16.48</i>	<i>16.77</i>	<b>13.26</b>	<i>16.35</i>	<i>16.51</i>
<b>Retail Prices (cents per kilowatthour)</b>															
Residential Sector .....	<b>12.59</b>	<b>12.99</b>	<b>13.19</b>	<b>12.75</b>	<b>12.57</b>	<b>13.01</b>	<i>13.27</i>	<i>12.95</i>	<i>12.89</i>	<i>13.54</i>	<i>13.60</i>	<i>13.21</i>	<b>12.90</b>	<i>12.96</i>	<i>13.31</i>
Commercial Sector .....	<b>10.39</b>	<b>10.68</b>	<b>11.03</b>	<b>10.56</b>	<b>10.51</b>	<b>10.71</b>	<i>11.15</i>	<i>10.75</i>	<i>10.66</i>	<i>10.81</i>	<i>11.14</i>	<i>10.78</i>	<b>10.68</b>	<i>10.79</i>	<i>10.86</i>
Industrial Sector .....	<b>6.64</b>	<b>6.89</b>	<b>7.27</b>	<b>6.79</b>	<b>6.79</b>	<b>6.90</b>	<i>7.41</i>	<i>6.95</i>	<i>6.82</i>	<i>6.99</i>	<i>7.48</i>	<i>7.01</i>	<b>6.91</b>	<i>7.02</i>	<i>7.09</i>

- = no data available. kWh = kilowatthours. Btu = British thermal units.

Prices are not adjusted for inflation.

(a) Generation supplied by electricity-only and combined-heat-and-power (CHP) plants operated by electric utilities and independent power producers.

(b) Generation supplied by CHP and electricity-only plants operated by businesses in the commercial and industrial sectors, primarily for onsite use.

(c) Includes transmission and distribution losses, data collection time-frame differences, and estimation error.

 (d) Direct Use represents commercial and industrial facility use of onsite net electricity generation; and electrical sales or transfers to adjacent or collocated facilities for which revenue information is not available. See Table 7.6 of the EIA *Monthly Energy Review*.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 7b. U.S. Regional Electricity Retail Sales (Million Kilowatthours per Day)**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Residential Sector</b>															
New England .....	142	119	143	126	141	111	151	127	141	110	150	127	133	133	132
Middle Atlantic .....	368	307	403	327	394	323	415	322	389	310	412	322	351	364	358
E. N. Central .....	507	435	545	475	552	484	570	469	540	441	563	469	491	519	503
W. N. Central .....	298	246	303	261	327	275	324	265	316	244	322	269	277	298	288
S. Atlantic .....	891	891	1,131	889	1,040	932	1,153	896	1,046	883	1,153	902	951	1,005	996
E. S. Central .....	305	277	368	288	368	294	392	294	368	270	386	294	310	337	330
W. S. Central .....	501	536	760	516	608	557	799	534	606	526	812	544	579	625	622
Mountain .....	245	259	347	232	239	263	351	235	244	259	356	238	271	272	274
Pacific contiguous .....	439	346	447	381	411	333	426	387	419	334	425	389	404	389	392
AK and HI .....	14	12	12	13	14	12	12	13	14	11	12	13	13	13	13
Total .....	3,712	3,428	4,458	3,507	4,093	3,584	4,593	3,542	4,084	3,390	4,592	3,566	3,778	3,953	3,908
<b>Commercial Sector</b>															
New England .....	155	150	168	149	142	134	164	146	139	131	159	140	156	147	142
Middle Atlantic .....	423	404	462	412	431	416	464	408	428	409	461	407	425	430	426
E. N. Central .....	489	486	537	482	499	501	544	480	497	486	543	480	498	506	501
W. N. Central .....	272	270	302	269	282	274	302	271	282	265	304	272	278	282	281
S. Atlantic .....	785	853	941	807	811	853	942	805	808	840	943	805	847	853	849
E. S. Central .....	225	241	275	229	241	247	279	229	243	241	279	231	243	249	248
W. S. Central .....	471	522	598	501	498	534	618	517	512	537	640	529	523	542	555
Mountain .....	246	265	301	249	249	268	303	250	251	266	306	252	265	268	269
Pacific contiguous .....	431	431	480	438	423	429	472	437	422	431	471	438	445	441	441
AK and HI .....	16	16	16	16	16	15	16	16	16	15	16	16	16	16	16
Total .....	3,513	3,637	4,079	3,551	3,592	3,673	4,105	3,559	3,598	3,622	4,122	3,570	3,696	3,733	3,729
<b>Industrial Sector</b>															
New England .....	46	46	49	47	42	45	48	45	41	45	47	44	47	45	44
Middle Atlantic .....	192	194	204	195	196	197	208	197	198	198	209	197	196	199	201
E. N. Central .....	495	504	522	489	499	520	535	493	504	524	534	491	502	512	513
W. N. Central .....	228	240	253	235	232	241	259	241	240	248	265	246	239	243	250
S. Atlantic .....	362	386	390	372	366	375	389	368	364	371	383	363	377	375	370
E. S. Central .....	267	275	280	262	260	266	278	258	258	263	274	254	271	266	263
W. S. Central .....	480	503	511	484	466	496	514	495	478	508	524	504	495	493	504
Mountain .....	210	228	245	210	209	236	253	214	214	241	256	217	223	228	232
Pacific contiguous .....	211	230	253	220	213	236	260	223	214	238	261	223	229	233	234
AK and HI .....	13	14	14	13	13	14	14	13	13	14	14	13	14	14	14
Total .....	2,504	2,619	2,722	2,526	2,497	2,626	2,757	2,547	2,524	2,648	2,767	2,553	2,593	2,607	2,624
<b>Total All Sectors (a)</b>															
New England .....	345	317	362	323	327	293	364	319	323	287	357	312	337	326	320
Middle Atlantic .....	994	915	1,079	943	1,033	946	1,098	937	1,027	927	1,092	936	983	1,003	995
E. N. Central .....	1,493	1,427	1,605	1,447	1,552	1,507	1,650	1,444	1,543	1,452	1,642	1,441	1,493	1,538	1,520
W. N. Central .....	798	755	857	765	842	791	886	777	838	758	892	787	794	824	819
S. Atlantic .....	2,042	2,134	2,465	2,070	2,220	2,163	2,488	2,073	2,221	2,098	2,483	2,073	2,179	2,236	2,219
E. S. Central .....	797	793	924	779	870	807	948	781	870	774	939	779	823	852	841
W. S. Central .....	1,452	1,561	1,869	1,501	1,572	1,588	1,931	1,546	1,597	1,572	1,976	1,577	1,597	1,660	1,681
Mountain .....	701	752	893	691	697	767	907	700	709	766	918	707	760	768	776
Pacific contiguous .....	1,084	1,010	1,184	1,042	1,049	1,001	1,160	1,049	1,058	1,005	1,160	1,052	1,080	1,065	1,069
AK and HI .....	43	41	43	43	42	41	43	42	42	40	42	42	42	42	42
Total .....	9,750	9,704	11,280	9,605	10,205	9,902	11,476	9,668	10,227	9,680	11,501	9,708	10,088	10,314	10,281

- = no data available

(a) Total retail sales to all sectors includes residential, commercial, industrial, and transportation sector sales.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Retail Sales represents total retail electricity sales by electric utilities and power marketers.

Regions refer to U.S. Census divisions.

 See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 7c. U.S. Regional Retail Electricity Prices (Cents per Kilowatt-hour)**  
 U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Residential Sector</b>															
New England .....	18.57	18.92	18.97	19.28	20.42	20.03	19.22	19.85	21.12	20.87	20.05	20.59	18.93	19.86	20.63
Middle Atlantic .....	15.55	16.27	16.43	15.87	15.62	16.35	16.61	16.19	15.98	16.83	17.00	16.54	16.04	16.19	16.59
E. N. Central .....	12.90	13.58	13.28	13.19	12.94	13.66	13.57	13.65	13.46	14.32	14.05	14.05	13.23	13.44	13.95
W. N. Central .....	10.94	12.66	13.16	11.51	10.91	12.39	13.26	11.78	11.30	13.00	13.61	12.02	12.07	12.09	12.48
S. Atlantic .....	11.69	12.01	12.26	11.81	11.61	11.86	12.26	11.95	11.82	12.23	12.51	12.12	11.96	11.93	12.18
E. S. Central .....	11.08	11.44	11.32	11.20	10.86	11.26	11.26	11.43	11.27	11.83	11.49	11.56	11.26	11.19	11.51
W. S. Central .....	10.54	10.93	10.87	10.76	10.54	10.86	10.72	10.72	10.64	11.16	10.86	10.82	10.79	10.71	10.86
Mountain .....	11.28	12.16	12.31	11.82	11.57	12.39	12.53	12.06	11.84	12.70	12.82	12.31	11.94	12.19	12.46
Pacific .....	14.51	14.69	16.50	14.37	14.86	15.52	16.99	14.53	15.17	16.11	17.70	14.92	15.07	15.51	16.00
U.S. Average .....	12.59	12.99	13.19	12.75	12.57	13.01	13.27	12.95	12.89	13.54	13.60	13.21	12.90	12.96	13.31
<b>Commercial Sector</b>															
New England .....	14.64	14.65	15.30	15.20	16.55	15.73	15.70	15.60	16.42	15.18	15.18	15.34	14.95	15.88	15.52
Middle Atlantic .....	12.07	12.75	13.34	12.08	12.07	12.43	13.25	12.09	12.00	12.36	13.23	12.23	12.58	12.48	12.48
E. N. Central .....	10.02	10.24	10.05	9.99	10.09	10.28	10.19	10.19	10.31	10.50	10.31	10.27	10.08	10.19	10.35
W. N. Central .....	9.12	10.11	10.57	9.26	9.17	10.03	10.75	9.50	9.36	10.31	10.99	9.76	9.79	9.88	10.12
S. Atlantic .....	9.44	9.38	9.55	9.53	9.55	9.35	9.60	9.66	9.87	9.53	9.67	9.68	9.48	9.54	9.68
E. S. Central .....	10.58	10.56	10.62	10.57	10.51	10.58	10.83	10.94	10.62	10.77	10.81	10.90	10.58	10.72	10.78
W. S. Central .....	8.37	8.40	8.38	8.28	8.38	8.12	8.15	8.17	8.00	7.74	7.80	8.08	8.36	8.20	7.90
Mountain .....	9.14	9.92	10.04	9.49	9.25	10.04	10.24	9.73	9.27	10.07	10.28	9.81	9.67	9.84	9.88
Pacific .....	12.53	13.56	15.36	13.61	12.86	14.42	16.22	14.30	13.67	15.00	16.65	14.43	13.82	14.51	14.99
U.S. Average .....	10.39	10.68	11.03	10.56	10.51	10.71	11.15	10.75	10.66	10.81	11.14	10.78	10.68	10.79	10.86
<b>Industrial Sector</b>															
New England .....	12.38	12.19	12.55	12.37	13.49	12.75	13.07	12.83	14.11	13.14	13.34	13.00	12.37	13.03	13.38
Middle Atlantic .....	6.94	6.94	6.88	6.81	7.20	6.71	6.87	6.87	7.00	6.62	6.82	6.82	6.89	6.91	6.82
E. N. Central .....	7.03	7.05	7.04	6.96	7.08	7.09	7.19	7.15	7.14	7.16	7.24	7.20	7.02	7.13	7.18
W. N. Central .....	6.89	7.35	8.07	6.87	7.05	7.26	8.19	7.03	7.17	7.37	8.30	7.12	7.31	7.40	7.51
S. Atlantic .....	6.31	6.39	6.79	6.34	6.45	6.39	6.92	6.53	6.44	6.44	6.95	6.55	6.46	6.58	6.60
E. S. Central .....	5.90	5.96	6.18	5.89	5.74	5.85	6.28	6.06	5.85	5.98	6.36	6.14	5.98	5.99	6.09
W. S. Central .....	5.28	5.55	5.72	5.41	5.43	5.35	5.70	5.46	5.31	5.35	5.70	5.51	5.50	5.49	5.47
Mountain .....	6.08	6.54	7.12	6.13	6.10	6.62	7.23	6.25	6.28	6.81	7.44	6.42	6.50	6.59	6.77
Pacific .....	8.23	9.35	10.73	9.73	8.63	9.94	11.09	9.95	8.78	10.04	11.18	10.02	9.57	9.97	10.07
U.S. Average .....	6.64	6.89	7.27	6.79	6.79	6.90	7.41	6.95	6.82	6.99	7.48	7.01	6.91	7.02	7.09
<b>All Sectors (a)</b>															
New England .....	15.93	15.87	16.35	16.35	17.80	16.94	16.79	16.87	18.14	17.01	16.97	17.11	16.13	17.09	17.30
Middle Atlantic .....	12.35	12.68	13.26	12.29	12.48	12.59	13.30	12.39	12.53	12.62	13.41	12.56	12.67	12.71	12.80
E. N. Central .....	10.00	10.13	10.16	10.01	10.13	10.30	10.38	10.27	10.37	10.45	10.59	10.45	10.08	10.27	10.47
W. N. Central .....	9.15	10.06	10.75	9.29	9.26	10.04	10.92	9.51	9.46	10.22	11.13	9.71	9.84	9.96	10.15
S. Atlantic .....	9.86	9.93	10.35	9.93	10.00	9.93	10.41	10.09	10.23	10.12	10.57	10.19	10.04	10.12	10.29
E. S. Central .....	9.20	9.27	9.55	9.23	9.23	9.31	9.67	9.51	9.48	9.51	9.79	9.59	9.32	9.44	9.60
W. S. Central .....	8.10	8.35	8.67	8.21	8.34	8.25	8.56	8.18	8.20	8.11	8.50	8.20	8.35	8.35	8.27
Mountain .....	8.97	9.67	10.12	9.25	9.11	9.82	10.29	9.45	9.26	9.93	10.47	9.61	9.55	9.71	9.87
Pacific .....	12.48	12.98	14.79	13.06	12.78	13.77	15.34	13.45	13.26	14.18	15.79	13.66	13.38	13.88	14.27
U.S. Average .....	10.26	10.47	10.98	10.37	10.42	10.57	11.10	10.55	10.60	10.72	11.24	10.68	10.54	10.68	10.83

- = no data available

Prices are not adjusted for inflation.

(a) Volume-weighted average of retail prices to residential, commercial, industrial, and transportation sectors.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

**Historical data:** Latest data available from Energy Information Administration databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226; and *Electric Power Annual*, DOE/EIA-0348.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 7d. U.S. Regional Electricity Generation, All Sectors (Thousand megawatthours per day)**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>United States</b>															
Coal .....	3,242	3,100	3,762	3,128	3,127	2,939	3,643	3,028	3,206	2,631	3,484	2,856	3,309	3,185	3,045
Natural Gas .....	2,969	3,286	4,359	3,322	3,442	3,824	4,641	3,511	3,497	3,685	4,752	3,631	3,487	3,857	3,894
Petroleum (a) .....	59	54	56	62	101	59	65	57	75	58	65	57	58	70	64
Other Gases .....	40	39	40	36	37	38	41	37	38	38	41	37	39	38	38
Nuclear .....	2,242	2,034	2,302	2,243	2,294	2,157	2,267	2,136	2,240	2,097	2,272	2,135	2,205	2,213	2,186
Renewable Energy Sources:	2,008	2,157	1,615	1,757	2,084	2,135	1,664	1,763	1,943	2,168	1,800	1,878	1,883	1,910	1,947
Conventional Hydropower .....	918	1,010	717	647	854	917	676	628	755	865	723	628	822	768	742
Wind .....	768	748	501	771	867	788	555	780	824	838	595	853	697	747	777
Wood Biomass .....	118	115	122	119	122	110	122	117	120	114	125	119	119	117	119
Waste Biomass .....	59	56	56	57	58	58	59	59	58	59	60	59	57	59	59
Geothermal .....	45	43	44	43	45	42	43	45	45	45	45	46	44	44	45
Solar .....	101	185	175	120	138	221	207	135	140	248	252	173	145	175	204
Pumped Storage Hydropower .....	-16	-16	-22	-17	-15	-13	-18	-14	-13	-12	-18	-14	-18	-15	-14
Other Nonrenewable Fuels (b) .....	35	35	38	35	36	37	39	37	35	36	39	37	36	37	37
Total Generation .....	10,579	10,690	12,151	10,566	11,107	11,176	12,341	10,554	11,020	10,700	12,435	10,616	10,999	11,296	11,195
<b>Northeast Census Region</b>															
Coal .....	154	134	136	139	149	135	202	164	163	106	174	159	141	163	151
Natural Gas .....	486	482	637	492	500	548	688	548	519	560	711	566	525	572	589
Petroleum (a) .....	4	2	3	11	32	3	4	4	12	2	4	4	5	11	5
Other Gases .....	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Nuclear .....	539	476	549	529	552	508	531	490	512	476	507	463	523	520	489
Hydropower (c) .....	102	107	99	99	103	98	88	94	100	93	92	94	102	96	95
Other Renewables (d) .....	72	76	68	74	80	72	66	78	80	72	66	80	73	74	74
Other Nonrenewable Fuels (b) .....	11	11	12	12	11	11	12	12	11	11	12	12	11	12	12
Total Generation .....	1,370	1,290	1,506	1,359	1,430	1,376	1,592	1,392	1,399	1,322	1,568	1,380	1,381	1,448	1,418
<b>South Census Region</b>															
Coal .....	1,330	1,416	1,681	1,293	1,261	1,315	1,597	1,230	1,309	1,111	1,512	1,136	1,431	1,351	1,267
Natural Gas .....	1,763	2,087	2,565	1,922	2,052	2,347	2,679	2,005	2,027	2,236	2,780	2,072	2,086	2,272	2,280
Petroleum (a) .....	25	22	23	21	38	26	28	22	30	24	28	22	23	29	26
Other Gases .....	15	15	15	13	13	14	15	13	13	14	14	12	14	14	13
Nuclear .....	973	888	1,003	1,012	1,008	951	1,014	962	1,009	948	1,032	978	969	984	992
Hydropower (c) .....	128	138	99	103	126	129	91	100	122	121	96	99	117	111	109
Other Renewables (d) .....	401	403	323	391	453	458	365	414	444	491	415	471	379	422	455
Other Nonrenewable Fuels (b) .....	15	15	16	15	16	17	17	16	15	16	17	15	15	16	16
Total Generation .....	4,650	4,984	5,726	4,769	4,968	5,258	5,805	4,761	4,969	4,960	5,894	4,806	5,034	5,199	5,159
<b>Midwest Census Region</b>															
Coal .....	1,288	1,177	1,394	1,216	1,302	1,120	1,317	1,144	1,240	1,055	1,322	1,089	1,269	1,221	1,176
Natural Gas .....	289	272	407	349	400	461	542	409	444	415	525	435	330	453	455
Petroleum (a) .....	7	7	7	8	9	8	10	9	11	10	10	9	7	9	10
Other Gases .....	17	16	17	15	15	15	17	15	16	16	18	16	16	16	16
Nuclear .....	555	543	580	535	571	539	555	526	553	519	564	534	553	548	542
Hydropower (c) .....	52	58	37	36	54	52	33	35	53	50	34	35	46	44	43
Other Renewables (d) .....	315	304	198	340	360	297	209	340	350	327	225	380	289	301	320
Other Nonrenewable Fuels (b) .....	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Generation .....	2,528	2,381	2,643	2,503	2,714	2,497	2,688	2,482	2,670	2,394	2,703	2,501	2,514	2,595	2,567
<b>West Census Region</b>															
Coal .....	470	373	551	480	415	370	528	489	494	360	477	472	469	451	451
Natural Gas .....	430	446	751	558	490	467	731	548	507	475	736	558	547	560	570
Petroleum (a) .....	23	22	23	22	21	22	23	22	23	22	23	22	23	22	22
Other Gases .....	6	6	6	6	7	6	6	7	7	6	6	7	6	6	6
Nuclear .....	175	127	171	167	164	159	167	158	165	155	169	160	160	162	162
Hydropower (c) .....	619	692	460	392	557	625	447	384	466	588	483	386	540	502	481
Other Renewables (d) .....	302	364	308	305	337	392	348	305	315	413	371	319	320	345	355
Other Nonrenewable Fuels (b) .....	5	5	6	5	5	5	6	5	5	5	6	5	5	5	5
Total Generation .....	2,031	2,035	2,277	1,934	1,995	2,045	2,257	1,919	1,983	2,025	2,271	1,929	2,069	2,054	2,052

(a) Residual fuel oil, distillate fuel oil, petroleum coke, and other petroleum liquids.

(b) Batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, nonrenewable waste, and miscellaneous technologies.

(c) Conventional hydroelectric and pumped storage generation.

(d) Wind, biomass, geothermal, and solar generation.

**Notes:** Data reflect generation supplied by electricity-only and combined-heat-and-power (CHP) plants operated by electric utilities, independent power producers, and the commercial and industrial sectors. The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

**Historical data:** Latest data available from U.S. Energy Information Administration *Electric Power Monthly* and *Electric Power Annual*.

**Projections:** EIA Regional Short-Term Energy Model.



**Table 7e. U.S. Regional Fuel Consumption for Electricity Generation, All Sectors**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Fuel Consumption for Electricity Generation, All Sectors</b>															
<b>United States</b>															
Coal (thousand st/d) .....	1,777	1,692	2,068	1,731	1,719	1,613	2,001	1,675	1,747	1,439	1,912	1,578	1,818	1,752	1,669
Natural Gas (million cf/d) .....	21,452	24,555	32,799	24,545	25,006	28,199	34,737	25,531	25,254	27,223	35,492	26,364	25,865	28,387	28,605
Petroleum (thousand b/d) .....	107	100	105	111	178	108	117	103	136	104	117	103	106	126	115
Residual Fuel Oil .....	26	27	28	33	51	26	30	26	39	26	29	26	29	33	30
Distillate Fuel Oil .....	28	24	23	32	71	27	24	27	34	25	25	28	27	37	28
Petroleum Coke (a) .....	49	45	48	42	47	51	59	46	57	50	59	46	46	51	53
Other Petroleum Liquids (b) ....	4	4	7	5	9	3	4	4	5	3	4	4	5	5	4
<b>Northeast Census Region</b>															
Coal (thousand st/d) .....	75	63	66	65	76	68	101	82	82	52	87	80	67	82	75
Natural Gas (million cf/d) .....	3,603	3,640	4,893	3,706	3,635	3,978	5,113	3,946	3,732	4,079	5,278	4,072	3,963	4,172	4,294
Petroleum (thousand b/d) .....	7	4	7	18	53	5	7	6	21	4	7	6	9	18	9
<b>South Census Region</b>															
Coal (thousand st/d) .....	715	761	902	705	659	698	851	662	683	586	801	608	771	718	670
Natural Gas (million cf/d) .....	12,471	15,401	19,033	14,045	14,832	17,293	19,959	14,517	14,506	16,447	20,650	14,950	15,252	16,658	16,650
Petroleum (thousand b/d) .....	47	42	43	40	70	49	51	42	57	45	52	43	43	53	49
<b>Midwest Census Region</b>															
Coal (thousand st/d) .....	717	655	787	688	745	636	747	649	698	597	752	619	712	694	666
Natural Gas (million cf/d) .....	2,186	2,134	3,249	2,676	2,915	3,430	4,204	3,028	3,261	3,113	4,055	3,219	2,564	3,397	3,414
Petroleum (thousand b/d) .....	15	16	16	16	19	17	20	17	20	19	21	17	16	18	19
<b>West Census Region</b>															
Coal (thousand st/d) .....	269	213	313	273	240	211	302	282	284	205	271	271	267	259	258
Natural Gas (million cf/d) .....	3,192	3,378	5,624	4,117	3,625	3,498	5,461	4,041	3,755	3,584	5,508	4,123	4,085	4,161	4,247
Petroleum (thousand b/d) .....	39	37	39	37	36	37	39	37	38	36	38	37	38	37	37
<b>End-of-period U.S. Fuel Inventories Held by Electric Power Sector</b>															
Coal (million short tons) .....	161.7	157.7	139.3	137.2	126.4	121.5	109.5	117.6	116.7	114.4	108.8	118.1	137.2	117.6	118.1
Residual Fuel Oil (mmb) .....	12.5	11.9	11.4	11.0	10.3	10.7	10.8	11.4	11.4	11.3	11.3	11.8	11.0	11.4	11.8
Distillate Fuel Oil (mmb) .....	17.0	16.6	16.4	15.8	15.0	15.0	15.2	15.7	15.9	15.8	15.8	16.1	15.8	15.7	16.1
Petroleum Coke (mmb) .....	4.3	4.3	4.9	5.6	5.3	5.4	5.3	5.2	5.1	5.1	5.0	4.9	5.6	5.2	4.9

(a) Petroleum coke consumption converted from short tons to barrels by multiplying by five.

(b) Other petroleum liquids include jet fuel, kerosene, and waste oil.

**Notes:** Data reflect generation supplied by electricity-only and combined-heat-and-power (CHP) plants operated by electric utilities, independent power producers, and the commercial and industrial sectors. Data include fuel consumed only for generation of electricity. Values do not include consumption by CHP plants for useful thermal output.

The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Physical Units: st/d = short tons per day; b/d = barrels per day; cf/d = cubic feet per day; mmb = million barrels.

**Historical data:** Latest data available from U.S. Energy Information Administration *Electric Power Monthly* and *Electric Power Annual*.

**Projections:** EIA Regional Short-Term Energy Model.

**Table 8a. U.S. Renewable Energy Consumption (Quadrillion Btu)**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Electric Power Sector</b>															
Geothermal .....	0.037	0.036	0.037	0.037	0.038	0.035	0.037	0.038	0.038	0.038	0.038	0.039	0.147	0.148	0.153
Hydroelectric Power (a) .....	0.759	0.844	0.605	0.546	0.706	0.773	0.576	0.535	0.629	0.729	0.616	0.535	2.755	2.590	2.509
Solar (b) .....	0.084	0.155	0.148	0.101	0.114	0.185	0.175	0.114	0.116	0.208	0.213	0.146	0.488	0.589	0.683
Waste Biomass (c) .....	0.070	0.066	0.068	0.068	0.081	0.072	0.076	0.076	0.075	0.075	0.078	0.077	0.272	0.305	0.304
Wood Biomass .....	0.061	0.059	0.064	0.063	0.061	0.052	0.064	0.059	0.060	0.058	0.069	0.062	0.247	0.237	0.249
Wind .....	0.644	0.634	0.429	0.660	0.727	0.668	0.475	0.668	0.691	0.710	0.509	0.731	2.367	2.538	2.640
Subtotal .....	1.654	1.794	1.352	1.475	1.726	1.785	1.405	1.490	1.608	1.817	1.524	1.590	6.276	6.406	6.538
<b>Industrial Sector</b>															
Biofuel Losses and Co-products (d) .....	0.203	0.199	0.204	0.211	0.202	0.203	0.209	0.207	0.201	0.204	0.207	0.207	0.817	0.821	0.819
Geothermal .....	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.004	0.004	0.004
Hydroelectric Power (a) .....	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004	0.003	0.003	0.013	0.013	0.013
Solar (b) .....	0.005	0.007	0.007	0.005	0.006	0.008	0.008	0.006	0.006	0.009	0.010	0.007	0.024	0.028	0.032
Waste Biomass (c) .....	0.044	0.040	0.038	0.044	0.044	0.043	0.044	0.048	0.038	0.045	0.045	0.048	0.165	0.179	0.176
Wood Biomass .....	0.370	0.361	0.375	0.374	0.368	0.358	0.362	0.361	0.349	0.346	0.358	0.360	1.480	1.450	1.413
Subtotal .....	0.625	0.609	0.625	0.638	0.624	0.614	0.623	0.625	0.597	0.604	0.618	0.624	2.498	2.485	2.444
<b>Commercial Sector</b>															
Geothermal .....	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.020	0.020	0.020
Solar (b) .....	0.015	0.023	0.023	0.016	0.019	0.028	0.029	0.021	0.024	0.034	0.035	0.025	0.077	0.097	0.119
Waste Biomass (c) .....	0.012	0.011	0.011	0.011	0.011	0.032	0.038	0.045	0.051	0.042	0.046	0.047	0.045	0.126	0.187
Wood Biomass .....	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.021	0.084	0.084	0.084
Subtotal .....	0.059	0.067	0.068	0.061	0.063	0.093	0.100	0.099	0.108	0.110	0.114	0.106	0.254	0.355	0.438
<b>Residential Sector</b>															
Geothermal .....	0.010	0.010	0.010	0.010	0.010	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.040	0.049	0.053
Solar (e) .....	0.036	0.057	0.058	0.040	0.043	0.067	0.069	0.048	0.050	0.077	0.079	0.055	0.191	0.226	0.262
Wood Biomass .....	0.082	0.083	0.084	0.084	0.095	0.103	0.104	0.104	0.105	0.105	0.105	0.105	0.334	0.405	0.420
Subtotal .....	0.128	0.150	0.152	0.134	0.148	0.182	0.185	0.165	0.169	0.196	0.197	0.173	0.565	0.680	0.735
<b>Transportation Sector</b>															
Biomass-based Diesel (f) .....	0.054	0.079	0.080	0.066	0.057	0.072	0.089	0.093	0.066	0.085	0.098	0.101	0.279	0.311	0.350
Ethanol (f) .....	0.270	0.290	0.293	0.291	0.273	0.288	0.300	0.290	0.273	0.294	0.299	0.292	1.145	1.151	1.158
Subtotal .....	0.324	0.370	0.373	0.357	0.329	0.363	0.390	0.383	0.339	0.379	0.396	0.393	1.423	1.465	1.509
<b>All Sectors Total</b>															
Biomass-based Diesel (f) .....	0.054	0.079	0.080	0.066	0.057	0.072	0.089	0.093	0.066	0.085	0.098	0.101	0.279	0.311	0.350
Biofuel Losses and Co-products (d) .....	0.203	0.199	0.204	0.211	0.202	0.203	0.209	0.207	0.201	0.204	0.207	0.207	0.817	0.821	0.819
Ethanol (f) .....	0.281	0.301	0.304	0.302	0.283	0.294	0.312	0.301	0.283	0.305	0.310	0.304	1.189	1.190	1.203
Geothermal .....	0.053	0.052	0.053	0.053	0.053	0.055	0.056	0.057	0.057	0.057	0.057	0.058	0.211	0.221	0.229
Hydroelectric Power (a) .....	0.763	0.849	0.609	0.550	0.710	0.778	0.580	0.538	0.633	0.733	0.620	0.539	2.770	2.606	2.525
Solar (b)(e) .....	0.138	0.240	0.235	0.161	0.180	0.283	0.281	0.189	0.196	0.329	0.337	0.233	0.774	0.933	1.096
Waste Biomass (c) .....	0.126	0.117	0.117	0.122	0.125	0.148	0.158	0.169	0.165	0.162	0.168	0.172	0.482	0.601	0.667
Wood Biomass .....	0.534	0.524	0.543	0.543	0.545	0.535	0.551	0.545	0.535	0.530	0.553	0.548	2.145	2.177	2.166
Wind .....	0.644	0.634	0.429	0.660	0.727	0.668	0.475	0.668	0.691	0.710	0.509	0.731	2.367	2.538	2.640
<b>Total Consumption</b> .....	<b>2.791</b>	<b>2.990</b>	<b>2.571</b>	<b>2.665</b>	<b>2.889</b>	<b>3.029</b>	<b>2.703</b>	<b>2.761</b>	<b>2.821</b>	<b>3.106</b>	<b>2.850</b>	<b>2.886</b>	<b>11.016</b>	<b>11.383</b>	<b>11.664</b>

- = no data available

- (a) Conventional hydroelectric power only. Hydroelectricity generated by pumped storage is not included in renewable energy.
- (b) Solar consumption in the electric power, commercial, and industrial sectors includes energy produced from large scale (>1 MW) solar thermal and photovoltaic generators and small-scale (<1 MW) distributed solar photovoltaic systems.
- (c) Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass.
- (d) Losses and co-products from the production of fuel ethanol and biomass-based diesel
- (e) Solar consumption in the residential sector includes energy from small-scale (<1 MW) solar photovoltaic systems. Also includes solar heating consumption in all sectors.
- (f) Fuel ethanol and biomass-based diesel consumption in the transportation sector includes production, stock change, and imports less exports. Some biomass-based diesel may be consumed in the residential sector in heating oil.

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.  
**Historical data:** Latest data available from EIA databases supporting the following reports: *Electric Power Monthly*, DOE/EIA-0226 and *Renewable Energy Annual*, DOE/EIA-0603; *Petroleum Supply Monthly*, DOE/EIA-0109.  
 Minor discrepancies with published historical data are due to independent rounding.  
**Projections:** EIA Regional Short-Term Energy Model.

**Table 8b. U.S. Renewable Electricity Generation and Capacity**  
 U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Renewable Energy Electric Generating Capacity (megawatts, end of period)</b>															
<b>Electric Power Sector (a)</b>															
Biomass .....	7,233	7,269	7,326	7,318	7,294	7,331	7,330	7,364	7,526	7,526	7,526	7,526	7,318	7,364	7,526
Waste .....	4,202	4,238	4,241	4,239	4,215	4,252	4,251	4,284	4,288	4,288	4,288	4,288	4,239	4,284	4,288
Wood .....	3,031	3,031	3,085	3,079	3,079	3,079	3,079	3,079	3,238	3,238	3,238	3,238	3,079	3,079	3,238
Conventional Hydroelectric .....	79,486	79,494	79,588	79,585	79,597	79,565	79,705	79,720	79,764	79,791	79,752	79,786	79,585	79,720	79,786
Geothermal .....	2,449	2,449	2,449	2,486	2,502	2,502	2,502	2,502	2,510	2,510	2,510	2,545	2,486	2,502	2,545
Large-Scale Solar (b) .....	22,601	23,635	24,148	26,573	27,876	28,823	29,427	32,096	33,818	35,680	36,970	43,540	26,573	32,096	43,540
Wind .....	82,923	83,382	84,113	87,492	88,523	89,202	89,977	94,028	94,903	95,634	96,792	104,344	87,492	94,028	104,344
<b>Other Sectors (c)</b>															
Biomass .....	6,690	6,694	6,692	6,661	6,655	6,636	6,645	6,645	6,645	6,623	6,623	6,637	6,661	6,645	6,637
Waste .....	885	889	887	876	876	876	876	876	876	878	878	892	876	876	892
Wood .....	5,805	5,805	5,805	5,785	5,779	5,760	5,769	5,769	5,769	5,745	5,745	5,745	5,785	5,769	5,745
Conventional Hydroelectric .....	357	357	357	357	357	357	357	364	364	364	364	364	357	364	364
Large-Scale Solar (b) .....	324	342	342	352	352	361	361	361	360	360	360	360	352	361	360
Small-Scale Solar (d) .....	13,722	14,543	15,341	16,224	16,972	17,961	18,854	19,795	20,695	21,664	22,698	23,785	16,224	19,795	23,785
Residential Sector .....	8,124	8,618	9,105	9,574	10,170	10,673	11,200	11,742	12,301	12,880	13,475	14,087	9,574	11,742	14,087
Commercial Sector .....	4,286	4,555	4,797	5,146	5,290	5,696	6,000	6,334	6,616	6,941	7,310	7,713	5,146	6,334	7,713
Industrial Sector .....	1,312	1,370	1,438	1,504	1,512	1,592	1,654	1,719	1,779	1,843	1,912	1,985	1,504	1,719	1,985
Wind .....	94	93	93	97	100	104	104	104	104	104	104	104	97	104	104
<b>Renewable Electricity Generation (thousand megawatthours per day)</b>															
<b>Electric Power Sector (a)</b>															
Biomass .....	90	86	90	90	92	84	93	90	90	89	97	92	89	90	92
Waste .....	49	47	47	47	49	49	50	50	49	50	51	50	48	50	50
Wood .....	41	39	43	43	43	35	43	40	41	39	46	42	41	40	42
Conventional Hydroelectric .....	913	1,005	713	643	850	912	672	623	750	860	719	624	818	764	738
Geothermal .....	45	43	44	43	45	42	43	45	45	45	45	46	44	44	45
Large-Scale Solar (b) .....	100	182	173	118	136	218	205	133	138	245	249	170	143	173	201
Wind .....	767	748	501	770	866	787	554	779	824	837	594	852	696	746	776
<b>Other Sectors (c)</b>															
Biomass .....	87	84	88	86	88	84	88	86	88	84	88	86	86	87	87
Waste .....	78	75	79	77	79	75	79	77	79	75	79	77	77	77	77
Wood .....	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Conventional Hydroelectric .....	5	5	4	4	5	5	4	4	5	5	4	4	5	4	4
Large-Scale Solar (b) .....	1	2	2	1	1	2	3	2	3	3	3	3	2	2	3
Small-Scale Solar (d) .....	51	79	80	55	65	97	98	69	79	118	119	83	66	82	100
Residential Sector .....	29	46	46	31	37	57	57	40	45	69	70	49	38	48	58
Commercial Sector .....	17	25	25	18	21	31	31	22	26	38	38	27	21	26	32
Industrial Sector .....	5	8	8	6	6	9	9	7	8	11	11	8	7	8	9
Wind .....	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1

-- = no data available

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

(a) Power plants larger than or equal to one megawatt in size that are operated by electric utilities or independent power producers.

(b) Solar thermal and photovoltaic generating units at power plants larger than or equal to one megawatt.

(c) Businesses or individual households not primarily engaged in electric power production for sale to the public, whose generating capacity is at least one megawatt (except for small-scale solar photovoltaic data, which consists of systems smaller than one megawatt).

(d) Solar photovoltaic systems smaller than one megawatt, as measured in alternating current.

**Historical data:** Latest data available from EIA databases supporting the Electric Power Monthly, DOE/EIA-0226.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** EIA-860M database, EIA-826 Solar PV database, and EIA Regional Short-Term Energy Model.



**Table 9b. U.S. Regional Macroeconomic Data**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Real Gross State Product (Billion \$2009)</b>															
New England .....	889	892	903	909	912	921	927	931	936	940	944	947	898	923	942
Middle Atlantic .....	2,492	2,499	2,519	2,527	2,538	2,560	2,576	2,589	2,600	2,611	2,620	2,629	2,509	2,566	2,615
E. N. Central .....	2,317	2,324	2,346	2,362	2,372	2,391	2,406	2,419	2,432	2,442	2,451	2,459	2,337	2,397	2,446
W. N. Central .....	1,078	1,089	1,084	1,088	1,092	1,101	1,108	1,115	1,120	1,125	1,129	1,133	1,085	1,104	1,127
S. Atlantic .....	3,007	3,020	3,047	3,069	3,088	3,118	3,143	3,165	3,187	3,204	3,220	3,234	3,036	3,129	3,211
E. S. Central .....	759	762	767	773	776	783	788	792	797	801	804	807	765	785	802
W. S. Central .....	2,019	2,040	2,052	2,076	2,092	2,122	2,144	2,163	2,182	2,197	2,210	2,222	2,047	2,130	2,203
Mountain .....	1,082	1,092	1,110	1,118	1,126	1,139	1,149	1,159	1,168	1,177	1,184	1,190	1,101	1,143	1,180
Pacific .....	3,157	3,209	3,229	3,258	3,276	3,311	3,337	3,362	3,386	3,410	3,429	3,448	3,213	3,321	3,419
<b>Industrial Output, Manufacturing (Index, Year 2012=100)</b>															
New England .....	96.8	97.2	96.8	98.5	98.2	98.9	99.4	100.0	100.4	100.6	100.6	100.8	97.3	99.1	100.6
Middle Atlantic .....	97.0	97.5	96.9	97.6	97.6	98.2	98.8	99.5	99.9	100.1	100.2	100.4	97.2	98.5	100.1
E. N. Central .....	104.3	105.2	104.4	106.0	106.0	107.0	107.9	108.8	109.5	110.0	110.4	110.8	105.0	107.4	110.2
W. N. Central .....	101.1	101.8	101.5	103.0	103.8	104.7	105.5	106.3	107.0	107.4	107.8	108.2	101.8	105.1	107.6
S. Atlantic .....	105.6	106.4	105.8	107.1	107.8	108.6	109.3	110.1	110.7	111.0	111.3	111.6	106.2	108.9	111.1
E. S. Central .....	107.8	108.3	107.4	108.5	108.7	109.7	110.6	111.5	112.2	112.6	113.0	113.4	108.0	110.1	112.8
W. S. Central .....	95.1	96.0	95.9	96.8	97.4	98.4	99.4	100.4	101.2	101.8	102.2	102.6	95.9	98.9	102.0
Mountain .....	106.5	107.8	108.1	110.0	111.4	112.3	113.1	114.0	114.8	115.2	115.6	116.0	108.1	112.7	115.4
Pacific .....	102.2	102.7	101.7	103.0	104.0	104.8	105.6	106.5	107.1	107.5	107.8	108.1	102.4	105.2	107.6
<b>Real Personal Income (Billion \$2009)</b>															
New England .....	772	774	779	784	787	790	794	800	806	810	814	818	777	793	812
Middle Atlantic .....	1,965	1,977	1,986	1,994	2,000	2,007	2,016	2,029	2,046	2,054	2,064	2,074	1,981	2,013	2,059
E. N. Central .....	2,110	2,113	2,124	2,135	2,145	2,152	2,162	2,178	2,196	2,206	2,217	2,230	2,120	2,159	2,212
W. N. Central .....	989	992	988	991	996	1,001	1,007	1,015	1,025	1,032	1,039	1,047	990	1,005	1,035
S. Atlantic .....	2,775	2,786	2,799	2,812	2,825	2,838	2,855	2,879	2,909	2,927	2,946	2,967	2,793	2,849	2,937
E. S. Central .....	779	781	783	787	789	792	795	801	810	814	818	823	783	795	816
W. S. Central .....	1,704	1,712	1,716	1,727	1,737	1,748	1,760	1,778	1,798	1,812	1,826	1,842	1,715	1,756	1,820
Mountain .....	979	983	994	1,000	1,005	1,011	1,018	1,028	1,040	1,047	1,055	1,064	989	1,016	1,052
Pacific .....	2,391	2,419	2,428	2,441	2,450	2,462	2,477	2,500	2,523	2,539	2,556	2,574	2,420	2,472	2,548
<b>Households (Thousands)</b>															
New England .....	5,859	5,868	5,888	5,896	5,906	5,916	5,924	5,933	5,941	5,950	5,959	5,968	5,896	5,933	5,968
Middle Atlantic .....	15,899	15,915	15,967	15,982	16,003	16,026	16,046	16,065	16,084	16,102	16,122	16,146	15,982	16,065	16,146
E. N. Central .....	18,823	18,840	18,900	18,917	18,944	18,979	19,006	19,031	19,051	19,075	19,102	19,134	18,917	19,031	19,134
W. N. Central .....	8,518	8,536	8,574	8,594	8,620	8,649	8,671	8,692	8,711	8,731	8,752	8,774	8,594	8,692	8,774
S. Atlantic .....	25,184	25,275	25,434	25,530	25,633	25,741	25,838	25,931	26,022	26,111	26,200	26,293	25,530	25,931	26,293
E. S. Central .....	7,602	7,617	7,649	7,665	7,685	7,707	7,726	7,742	7,760	7,778	7,797	7,817	7,665	7,742	7,817
W. S. Central .....	14,579	14,625	14,704	14,749	14,800	14,856	14,912	14,969	15,024	15,081	15,139	15,200	14,749	14,969	15,200
Mountain .....	9,036	9,074	9,132	9,172	9,216	9,263	9,307	9,348	9,388	9,429	9,469	9,512	9,172	9,348	9,512
Pacific .....	18,697	18,753	18,846	18,896	18,954	19,015	19,072	19,124	19,176	19,229	19,284	19,341	18,896	19,124	19,341
<b>Total Non-farm Employment (Millions)</b>															
New England .....	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.5	7.5
Middle Atlantic .....	19.5	19.5	19.6	19.7	19.7	19.8	19.8	19.9	19.9	20.0	20.0	20.0	19.6	19.8	20.0
E. N. Central .....	21.9	22.0	22.0	22.0	22.1	22.2	22.2	22.3	22.4	22.4	22.5	22.5	22.0	22.2	22.4
W. N. Central .....	10.6	10.6	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.9	10.9	10.9	10.6	10.8	10.9
S. Atlantic .....	28.0	28.1	28.2	28.3	28.4	28.6	28.7	28.8	29.0	29.1	29.1	29.2	28.2	28.6	29.1
E. S. Central .....	8.1	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3	8.3	8.1	8.2	8.3
W. S. Central .....	17.0	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.7	17.8	17.9	17.1	17.4	17.8
Mountain .....	10.4	10.5	10.6	10.6	10.7	10.8	10.8	10.9	10.9	11.0	11.0	11.1	10.5	10.8	11.0
Pacific .....	22.8	22.9	23.0	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.8	23.9	23.0	23.4	23.8

- = no data available

**Notes:** The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions.

 See "Census division" in EIA's Energy Glossary (<http://www.eia.doe.gov/glossary/index.html>) for a list of States in each region.

**Historical data:** Latest data available from U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical release G17.

Minor discrepancies with published historical data are due to independent rounding.

**Projections:** Macroeconomic projections are based on the IHS Markit model of the U.S. Economy.

**Table 9c. U.S. Regional Weather Data**

U.S. Energy Information Administration | Short-Term Energy Outlook - July 2018

	2017				2018				2019				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019
<b>Heating Degree Days</b>															
New England .....	2,984	805	93	2,171	3,056	934	129	2,156	3,136	852	135	2,156	6,053	6,274	6,279
Middle Atlantic .....	2,656	599	74	2,000	2,937	761	82	1,977	2,897	677	90	1,977	5,329	5,757	5,641
E. N. Central .....	2,691	627	105	2,263	3,209	829	127	2,209	3,083	713	133	2,209	5,687	6,373	6,138
W. N. Central .....	2,812	661	137	2,386	3,420	816	159	2,375	3,130	687	167	2,376	5,997	6,770	6,360
South Atlantic .....	1,147	125	15	946	1,444	220	14	995	1,462	194	14	994	2,234	2,673	2,664
E. S. Central .....	1,376	154	25	1,280	1,816	327	20	1,322	1,862	244	21	1,322	2,834	3,485	3,450
W. S. Central .....	775	66	4	740	1,193	142	4	821	1,220	88	4	820	1,583	2,161	2,132
Mountain .....	2,058	698	154	1,665	2,124	570	143	1,840	2,178	674	143	1,839	4,575	4,677	4,833
Pacific .....	1,561	532	68	1,029	1,440	522	83	1,196	1,467	564	87	1,197	3,191	3,241	3,314
U.S. Average .....	1,859	427	65	1,480	2,130	519	74	1,529	2,107	477	77	1,527	3,832	4,252	4,188
<b>Heating Degree Days, Prior 10-year Average</b>															
New England .....	3,201	831	122	2,125	3,172	818	119	2,121	3,166	823	117	2,108	6,279	6,230	6,214
Middle Atlantic .....	2,983	661	81	1,941	2,947	646	81	1,949	2,955	651	80	1,933	5,665	5,623	5,620
E. N. Central .....	3,255	701	114	2,198	3,209	692	116	2,211	3,196	698	118	2,186	6,267	6,228	6,198
W. N. Central .....	3,302	707	142	2,380	3,264	705	144	2,379	3,255	701	144	2,358	6,531	6,492	6,457
South Atlantic .....	1,502	188	12	966	1,476	177	12	974	1,480	177	13	966	2,667	2,639	2,636
E. S. Central .....	1,906	231	16	1,287	1,868	217	18	1,301	1,862	222	19	1,291	3,440	3,404	3,393
W. S. Central .....	1,228	88	4	799	1,181	80	4	801	1,183	85	4	798	2,119	2,067	2,070
Mountain .....	2,216	734	142	1,862	2,195	737	144	1,842	2,165	712	141	1,844	4,954	4,917	4,862
Pacific .....	1,462	598	89	1,205	1,465	593	84	1,181	1,444	580	82	1,183	3,354	3,322	3,289
U.S. Average .....	2,193	487	71	1,527	2,160	478	71	1,524	2,151	475	70	1,513	4,277	4,233	4,209
<b>Cooling Degree Days</b>															
New England .....	0	73	362	11	0	92	412	1	0	86	403	1	446	505	490
Middle Atlantic .....	0	138	501	22	0	190	533	4	0	155	523	4	661	726	682
E. N. Central .....	1	211	481	16	0	343	526	7	0	219	518	7	709	875	744
W. N. Central .....	9	265	623	14	2	455	665	10	3	268	655	10	910	1,132	936
South Atlantic .....	159	670	1,156	262	135	727	1,143	221	111	643	1,146	222	2,248	2,226	2,122
E. S. Central .....	66	481	965	74	36	659	1,037	63	26	517	1,034	63	1,585	1,795	1,639
W. S. Central .....	213	828	1,459	216	125	992	1,486	195	80	853	1,530	195	2,717	2,798	2,658
Mountain .....	36	468	920	121	21	499	924	74	17	427	934	75	1,546	1,519	1,453
Pacific .....	30	219	698	100	31	180	587	58	28	167	578	58	1,047	857	831
U.S. Average .....	70	402	838	115	51	479	842	89	40	396	845	90	1,425	1,461	1,370
<b>Cooling Degree Days, Prior 10-year Average</b>															
New England .....	0	81	433	1	0	81	433	1	0	80	438	1	515	515	519
Middle Atlantic .....	0	169	566	6	0	166	567	5	0	167	571	6	741	738	744
E. N. Central .....	3	234	542	8	3	228	533	7	3	243	537	7	788	771	790
W. N. Central .....	7	281	672	12	7	277	659	11	7	300	666	12	973	953	985
South Atlantic .....	117	666	1,167	230	119	675	1,161	227	120	684	1,167	233	2,179	2,182	2,205
E. S. Central .....	33	544	1,056	65	34	539	1,031	63	36	555	1,037	65	1,698	1,667	1,693
W. S. Central .....	90	876	1,528	205	100	887	1,532	204	103	896	1,545	208	2,698	2,722	2,752
Mountain .....	23	424	930	81	24	426	922	84	25	437	925	83	1,458	1,457	1,470
Pacific .....	30	180	608	74	30	185	621	78	31	185	617	75	892	914	908
U.S. Average .....	43	405	857	94	45	408	855	94	46	417	861	96	1,399	1,402	1,420

- = no data available

**Notes:** Regional degree days for each period are calculated by EIA as contemporaneous period population-weighted averages of state degree day data published by the National Oceanic and Atmospheric Administration (NOAA).

See *Change in Regional and U.S. Degree-Day Calculations* ([http://www.eia.gov/forecasts/steo/special/pdf/2012\\_sp\\_04.pdf](http://www.eia.gov/forecasts/steo/special/pdf/2012_sp_04.pdf)) for more information.

The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Regions refer to U.S. Census divisions. See "Census division" in EIA's Energy Glossary (<http://www.eia.gov/tools/glossary/>) for a list of states in each region.

**Historical data:** Latest data available from U.S. Department of Commerce, National Oceanic and Atmospheric Association (NOAA).

**Projections:** Based on forecasts by the NOAA Climate Prediction Center (<http://www.cpc.ncep.noaa.gov/pacdir/DDdir/NHOME3.shtml>).