

Table 1. U.S. Energy Markets Summary

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Energy Production															
Crude Oil Production (a) (million barrels per day)	12.63	12.75	13.07	13.27	12.84	13.13	13.32	13.54	13.56	13.72	13.74	13.86	12.93	13.21	13.72
Dry Natural Gas Production (billion cubic feet per day)	102.3	103.2	104.1	105.6	103.9	103.0	103.4	104.0	103.9	105.0	105.0	105.7	103.8	103.6	104.9
Coal Production (million short tons)	149	142	146	145	128	112	125	121	118	108	122	117	582	485	464
Energy Consumption															
Liquid Fuels (million barrels per day)	19.66	20.38	20.37	20.56	19.82	20.65	20.72	20.60	20.30	20.63	20.69	20.61	20.25	20.45	20.56
Natural Gas (billion cubic feet per day)	103.0	78.0	83.9	91.7	104.3	78.5	84.4	92.6	104.5	77.2	82.8	92.2	89.1	89.9	89.1
Coal (b) (million short tons)	102	91	132	101	98	84	123	92	92	79	123	86	427	396	380
Electricity (billion kilowatt hours per day)	10.59	10.32	12.62	10.30	10.76	10.60	12.89	10.50	10.96	10.71	12.98	10.55	10.96	11.19	11.30
Renewables (c) (quadrillion Btu)	2.05	2.10	2.05	2.04	2.13	2.29	2.23	2.20	2.25	2.43	2.36	2.29	8.24	8.85	9.33
Total Energy Consumption (d) (quadrillion Btu)	24.14	22.04	23.75	23.76	24.46	22.35	23.98	23.83	24.55	22.20	23.89	23.75	93.69	94.62	94.39
Energy Prices															
Crude Oil West Texas Intermediate Spot (dollars per barrel)	75.96	73.49	82.25	78.63	77.50	85.30	86.84	85.17	83.84	82.50	82.50	81.16	77.58	83.78	82.48
Natural Gas Henry Hub Spot (dollars per million Btu)	2.65	2.16	2.59	2.74	2.13	1.63	2.15	2.71	2.82	2.62	2.96	3.17	2.54	2.15	2.89
Coal (dollars per million Btu)	2.57	2.49	2.51	2.51	2.48	2.47	2.45	2.41	2.42	2.42	2.41	2.38	2.52	2.45	2.41
Macroeconomic															
Real Gross Domestic Product (billion chained 2017 dollars - SAAR)	22,112	22,225	22,491	22,669	22,780	22,886	22,996	23,089	23,161	23,240	23,329	23,429	22,374	22,938	23,290
Percent change from prior year	1.7	2.4	2.9	3.1	3.0	3.0	2.2	1.9	1.7	1.5	1.4	1.5	2.5	2.5	1.5
GDP Implicit Price Deflator (Index, 2017=100)	121.3	121.8	122.8	123.3	124.1	124.7	125.3	126.1	127.0	127.7	128.4	129.2	122.3	125.1	128.1
Percent change from prior year	5.3	3.5	3.2	2.6	2.3	2.4	2.1	2.3	2.4	2.4	2.5	2.5	3.6	2.3	2.4
Real Disposable Personal Income (billion chained 2017 dollars - SAAR)	16,663	16,797	16,820	16,911	17,016	17,174	17,312	17,443	17,587	17,719	17,840	17,955	16,798	17,236	17,775
Percent change from prior year	3.7	4.9	4.1	4.1	2.1	2.2	2.9	3.1	3.4	3.2	3.1	2.9	4.2	2.6	3.1
Manufacturing Production Index (Index, 2017=100)	99.9	100.2	100.0	99.8	99.5	99.9	100.4	100.8	100.9	101.0	101.3	101.7	100.0	100.2	101.2
Percent change from prior year	-0.2	-0.7	-0.9	-0.2	-0.4	-0.3	0.4	1.0	1.5	1.2	0.8	0.9	-0.5	0.2	1.1
Weather															
U.S. Heating Degree-Days	1,922	486	61	1,336	1,913	482	75	1,451	1,990	469	74	1,445	3,805	3,920	3,978
U.S. Cooling Degree-Days	68	363	941	105	42	438	959	105	51	445	966	106	1,476	1,543	1,568

(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* (MER). Consequently, the historical data may not precisely match those published in the MER.

- = no data available

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

Prices are not adjusted for inflation.

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.

Forecasts: EIA Short-Term Integrated Forecasting System. U.S. macroeconomic forecasts are based on the S&P Global model of the U.S. Economy.

Weather forecasts from National Oceanic and Atmospheric Administration and Energy Information Administration.

Table 2. Energy Prices

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Crude Oil (dollars per barrel)															
West Texas Intermediate Spot Average	75.96	73.49	82.25	78.63	77.50	<i>85.30</i>	<i>86.84</i>	<i>85.17</i>	<i>83.84</i>	<i>82.50</i>	<i>82.50</i>	<i>81.16</i>	77.58	<i>83.78</i>	<i>82.48</i>
Brent Spot Average	81.04	78.02	86.64	83.93	82.96	<i>89.97</i>	<i>91.34</i>	<i>89.67</i>	<i>88.34</i>	<i>87.00</i>	<i>87.00</i>	<i>85.66</i>	82.41	<i>88.55</i>	<i>86.98</i>
U.S. Imported Average	69.58	71.08	80.97	76.04	73.55	<i>82.54</i>	<i>84.11</i>	<i>82.45</i>	<i>83.88</i>	<i>82.50</i>	<i>82.50</i>	<i>81.18</i>	74.59	<i>80.52</i>	<i>82.58</i>
U.S. Refiner Average Acquisition Cost	74.44	73.99	82.38	79.34	76.94	<i>84.84</i>	<i>86.34</i>	<i>84.66</i>	<i>83.85</i>	<i>82.50</i>	<i>82.50</i>	<i>81.15</i>	77.63	<i>83.29</i>	<i>82.49</i>
U.S. Liquid Fuels (cents per gallon)															
Wholesale Petroleum Product Prices															
Gasoline	262	265	296	233	245	<i>292</i>	<i>292</i>	<i>264</i>	<i>260</i>	<i>281</i>	<i>285</i>	<i>256</i>	264	<i>274</i>	<i>271</i>
Diesel Fuel	295	245	308	285	269	<i>273</i>	<i>286</i>	<i>296</i>	<i>295</i>	<i>283</i>	<i>291</i>	<i>289</i>	283	<i>281</i>	<i>290</i>
Fuel Oil	279	231	292	274	263	<i>263</i>	<i>269</i>	<i>284</i>	<i>289</i>	<i>274</i>	<i>280</i>	<i>280</i>	271	<i>270</i>	<i>283</i>
Jet Fuel	305	233	291	272	267	<i>271</i>	<i>274</i>	<i>288</i>	<i>294</i>	<i>281</i>	<i>285</i>	<i>284</i>	275	<i>275</i>	<i>286</i>
No. 6 Residual Fuel Oil (a)	196	189	202	205	198	<i>212</i>	<i>220</i>	<i>218</i>	<i>217</i>	<i>211</i>	<i>212</i>	<i>209</i>	199	<i>211</i>	<i>212</i>
Propane															
Mont Belvieu Spot	82	68	68	67	84	<i>86</i>	<i>86</i>	<i>85</i>	<i>83</i>	<i>83</i>	<i>83</i>	<i>80</i>	71	<i>85</i>	<i>82</i>
Retail Prices Including Taxes															
Gasoline Regular Grade (b)	338	358	376	336	324	<i>374</i>	<i>380</i>	<i>354</i>	<i>347</i>	<i>367</i>	<i>372</i>	<i>345</i>	352	<i>359</i>	<i>358</i>
Gasoline All Grades (b)	349	369	387	348	336	<i>384</i>	<i>391</i>	<i>366</i>	<i>359</i>	<i>378</i>	<i>383</i>	<i>356</i>	364	<i>370</i>	<i>369</i>
On-highway Diesel Fuel	439	394	428	426	397	<i>401</i>	<i>405</i>	<i>419</i>	<i>424</i>	<i>416</i>	<i>415</i>	<i>420</i>	421	<i>406</i>	<i>419</i>
Heating Oil	407	353	387	395	378	<i>366</i>	<i>365</i>	<i>403</i>	<i>402</i>	<i>378</i>	<i>372</i>	<i>394</i>	393	<i>382</i>	<i>393</i>
Natural Gas															
Henry Hub Spot (dollars per thousand cubic feet)	2.76	2.25	2.69	2.84	2.21	<i>1.69</i>	<i>2.23</i>	<i>2.81</i>	<i>2.93</i>	<i>2.72</i>	<i>3.07</i>	<i>3.30</i>	2.63	<i>2.24</i>	<i>3.01</i>
Henry Hub Spot (dollars per million Btu)	2.65	2.16	2.59	2.74	2.13	<i>1.63</i>	<i>2.15</i>	<i>2.71</i>	<i>2.82</i>	<i>2.62</i>	<i>2.96</i>	<i>3.17</i>	2.54	<i>2.15</i>	<i>2.89</i>
U.S. Retail Prices (dollars per thousand cubic feet)															
Industrial Sector	6.12	3.76	3.87	4.39	4.46	<i>3.05</i>	<i>3.18</i>	<i>4.08</i>	<i>4.66</i>	<i>3.84</i>	<i>3.97</i>	<i>4.59</i>	4.59	<i>3.74</i>	<i>4.29</i>
Commercial Sector	11.81	10.48	10.90	9.83	9.32	<i>8.89</i>	<i>9.06</i>	<i>7.82</i>	<i>7.92</i>	<i>8.57</i>	<i>9.38</i>	<i>8.30</i>	10.89	<i>8.77</i>	<i>8.31</i>
Residential Sector	14.72	16.19	22.33	13.72	11.88	<i>13.82</i>	<i>18.69</i>	<i>11.77</i>	<i>10.84</i>	<i>13.40</i>	<i>18.97</i>	<i>12.05</i>	15.19	<i>12.65</i>	<i>12.20</i>
U.S. Electricity															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	2.57	2.49	2.51	2.51	2.48	<i>2.47</i>	<i>2.45</i>	<i>2.41</i>	<i>2.42</i>	<i>2.42</i>	<i>2.41</i>	<i>2.38</i>	2.52	<i>2.45</i>	<i>2.41</i>
Natural Gas	4.98	2.60	2.92	3.19	3.31	<i>1.94</i>	<i>2.32</i>	<i>3.05</i>	<i>3.32</i>	<i>2.81</i>	<i>3.02</i>	<i>3.45</i>	3.36	<i>2.63</i>	<i>3.14</i>
Residual Fuel Oil (c)	19.23	17.88	19.17	20.84	17.17	<i>16.91</i>	<i>16.80</i>	<i>16.87</i>	<i>17.03</i>	<i>17.28</i>	<i>16.53</i>	<i>16.35</i>	19.32	<i>16.95</i>	<i>16.78</i>
Distillate Fuel Oil	22.84	19.91	22.08	21.03	20.43	<i>20.83</i>	<i>21.63</i>	<i>22.51</i>	<i>22.62</i>	<i>21.76</i>	<i>22.00</i>	<i>21.95</i>	21.47	<i>21.33</i>	<i>22.14</i>
Prices to Ultimate Customers (cents per kilowatthour)															
Industrial Sector	8.06	7.74	8.55	7.83	7.73	<i>7.69</i>	<i>8.34</i>	<i>7.90</i>	<i>7.97</i>	<i>7.74</i>	<i>8.49</i>	<i>8.02</i>	8.05	<i>7.93</i>	<i>8.07</i>
Commercial Sector	12.64	12.45	13.18	12.63	12.46	<i>12.19</i>	<i>13.10</i>	<i>12.65</i>	<i>12.58</i>	<i>12.55</i>	<i>13.58</i>	<i>13.03</i>	12.74	<i>12.62</i>	<i>12.96</i>
Residential Sector	15.77	16.12	16.02	16.02	15.75	<i>15.95</i>	<i>15.90</i>	<i>15.80</i>	<i>15.77</i>	<i>16.31</i>	<i>16.37</i>	<i>16.31</i>	15.98	<i>15.86</i>	<i>16.20</i>

(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.

- = no data available

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

Prices are not adjusted for inflation; 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 oil spot prices, the Mt. Belvieu propane spot price, and the Henry Hub natural gas spot price are from

Refinitiv, an LSEG company, via EIA (https://www.eia.gov/dnav/pet/pet_pri_spt_s1_d.htm).

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

Forecasts: EIA Short-Term Integrated Forecasting System.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Production (million barrels per day) (a)															
OECD	33.48	33.80	34.55	35.29	34.34	<i>34.54</i>	<i>34.94</i>	<i>35.44</i>	<i>35.58</i>	<i>35.57</i>	<i>35.71</i>	<i>36.11</i>	34.28	<i>34.82</i>	<i>35.74</i>
U.S. (50 States)	21.05	21.69	22.27	22.60	21.64	<i>22.27</i>	<i>22.60</i>	<i>22.83</i>	<i>22.76</i>	<i>23.16</i>	<i>23.21</i>	<i>23.40</i>	21.91	<i>22.34</i>	<i>23.14</i>
Canada	5.79	5.44	5.79	6.10	6.07	<i>5.69</i>	<i>5.87</i>	<i>6.07</i>	<i>6.14</i>	<i>5.85</i>	<i>6.05</i>	<i>6.19</i>	5.78	<i>5.93</i>	<i>6.06</i>
Mexico	2.07	2.16	2.11	2.09	2.05	<i>2.02</i>	<i>2.00</i>	<i>1.97</i>	<i>1.97</i>	<i>1.94</i>	<i>1.92</i>	<i>1.90</i>	2.11	<i>2.01</i>	<i>1.93</i>
Other OECD	4.56	4.51	4.39	4.49	4.58	<i>4.56</i>	<i>4.47</i>	<i>4.57</i>	<i>4.70</i>	<i>4.62</i>	<i>4.52</i>	<i>4.63</i>	4.49	<i>4.55</i>	<i>4.62</i>
Non-OECD	67.63	67.68	67.14	67.62	67.48	<i>67.25</i>	<i>68.45</i>	<i>68.15</i>	<i>68.08</i>	<i>68.88</i>	<i>69.41</i>	<i>69.10</i>	67.52	<i>67.83</i>	<i>68.87</i>
OPEC	32.77	32.46	31.63	31.88	32.05	<i>31.77</i>	<i>32.56</i>	<i>32.46</i>	<i>32.48</i>	<i>32.65</i>	<i>32.73</i>	<i>32.45</i>	32.18	<i>32.21</i>	<i>32.58</i>
Crude Oil Portion	27.38	27.23	26.37	26.58	26.66	<i>26.50</i>	<i>27.27</i>	<i>27.13</i>	<i>27.20</i>	<i>27.37</i>	<i>27.45</i>	<i>27.17</i>	26.89	<i>26.89</i>	<i>27.30</i>
Other Liquids (b)	5.40	5.22	5.26	5.30	5.40	<i>5.27</i>	<i>5.30</i>	<i>5.33</i>	<i>5.28</i>	<i>5.28</i>	<i>5.28</i>	<i>5.28</i>	5.29	<i>5.32</i>	<i>5.28</i>
Eurasia	14.11	13.65	13.42	13.70	13.66	<i>13.30</i>	<i>13.21</i>	<i>13.40</i>	<i>13.58</i>	<i>13.72</i>	<i>13.73</i>	<i>13.91</i>	13.72	<i>13.39</i>	<i>13.74</i>
China	5.32	5.32	5.19	5.23	5.32	<i>5.32</i>	<i>5.31</i>	<i>5.35</i>	<i>5.32</i>	<i>5.35</i>	<i>5.34</i>	<i>5.38</i>	5.26	<i>5.33</i>	<i>5.35</i>
Other Non-OECD	15.43	16.26	16.90	16.81	16.44	<i>16.86</i>	<i>17.36</i>	<i>16.93</i>	<i>16.69</i>	<i>17.15</i>	<i>17.61</i>	<i>17.36</i>	16.35	<i>16.90</i>	<i>17.21</i>
Total World Production	101.11	101.48	101.69	102.90	101.82	<i>101.79</i>	<i>103.38</i>	<i>103.59</i>	<i>103.65</i>	<i>104.45</i>	<i>105.12</i>	<i>105.21</i>	101.80	<i>102.65</i>	<i>104.61</i>
Non-OPEC Production	68.33	69.02	70.06	71.02	69.77	<i>70.02</i>	<i>70.82</i>	<i>71.12</i>	<i>71.17</i>	<i>71.79</i>	<i>72.39</i>	<i>72.76</i>	69.62	<i>70.44</i>	<i>72.03</i>
Consumption (million barrels per day) (c)															
OECD	45.22	45.68	46.04	46.08	45.43	<i>45.60</i>	<i>46.30</i>	<i>46.39</i>	<i>45.88</i>	<i>45.56</i>	<i>46.26</i>	<i>46.37</i>	45.76	<i>45.93</i>	<i>46.02</i>
U.S. (50 States)	19.66	20.38	20.37	20.56	19.82	<i>20.65</i>	<i>20.72</i>	<i>20.60</i>	<i>20.30</i>	<i>20.63</i>	<i>20.69</i>	<i>20.61</i>	20.25	<i>20.45</i>	<i>20.56</i>
U.S. Territories	0.12	0.12	0.12	0.12	0.11	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	<i>0.11</i>	0.12	<i>0.11</i>	<i>0.11</i>
Canada	2.33	2.47	2.63	2.37	2.38	<i>2.33</i>	<i>2.43</i>	<i>2.40</i>	<i>2.34</i>	<i>2.29</i>	<i>2.39</i>	<i>2.37</i>	2.45	<i>2.39</i>	<i>2.35</i>
Europe	13.09	13.55	13.64	13.33	13.18	<i>13.33</i>	<i>13.74</i>	<i>13.50</i>	<i>13.16</i>	<i>13.32</i>	<i>13.73</i>	<i>13.49</i>	13.40	<i>13.44</i>	<i>13.43</i>
Japan	3.73	3.10	3.10	3.44	3.59	<i>2.98</i>	<i>3.08</i>	<i>3.41</i>	<i>3.54</i>	<i>2.94</i>	<i>3.04</i>	<i>3.36</i>	3.34	<i>3.27</i>	<i>3.22</i>
Other OECD	6.29	6.06	6.19	6.26	6.34	<i>6.20</i>	<i>6.22</i>	<i>6.35</i>	<i>6.42</i>	<i>6.27</i>	<i>6.29</i>	<i>6.43</i>	6.20	<i>6.28</i>	<i>6.35</i>
Non-OECD	55.75	56.27	56.37	56.42	56.63	<i>57.13</i>	<i>57.09</i>	<i>57.06</i>	<i>57.87</i>	<i>58.41</i>	<i>58.36</i>	<i>58.32</i>	56.21	<i>56.98</i>	<i>58.24</i>
Eurasia	4.66	4.82	5.16	5.06	4.60	<i>4.76</i>	<i>5.11</i>	<i>5.00</i>	<i>4.63</i>	<i>4.79</i>	<i>5.14</i>	<i>5.04</i>	4.93	<i>4.87</i>	<i>4.90</i>
Europe	0.74	0.76	0.77	0.77	0.75	<i>0.77</i>	<i>0.77</i>	<i>0.77</i>	<i>0.76</i>	<i>0.78</i>	<i>0.78</i>	<i>0.78</i>	0.76	<i>0.76</i>	<i>0.77</i>
China	16.02	16.21	15.90	16.11	16.29	<i>16.48</i>	<i>16.16</i>	<i>16.37</i>	<i>16.56</i>	<i>16.76</i>	<i>16.43</i>	<i>16.65</i>	16.06	<i>16.32</i>	<i>16.60</i>
Other Asia	14.58	14.46	13.92	14.32	14.96	<i>14.93</i>	<i>14.32</i>	<i>14.64</i>	<i>15.44</i>	<i>15.41</i>	<i>14.77</i>	<i>15.11</i>	14.32	<i>14.71</i>	<i>15.18</i>
Other Non-OECD	19.75	20.02	20.63	20.17	20.04	<i>20.19</i>	<i>20.74</i>	<i>20.27</i>	<i>20.48</i>	<i>20.67</i>	<i>21.23</i>	<i>20.74</i>	20.14	<i>20.31</i>	<i>20.78</i>
Total World Consumption	100.97	101.95	102.42	102.50	102.06	<i>102.73</i>	<i>103.39</i>	<i>103.45</i>	<i>103.74</i>	<i>103.97</i>	<i>104.62</i>	<i>104.70</i>	101.96	<i>102.91</i>	<i>104.26</i>
Total Crude Oil and Other Liquids Inventory Net Withdrawals (million barrels per day)															
U.S. (50 States)	-0.08	-0.11	-0.25	0.30	0.33	<i>-0.40</i>	<i>-0.26</i>	<i>0.32</i>	<i>0.01</i>	<i>-0.40</i>	<i>-0.13</i>	<i>0.29</i>	-0.03	<i>0.00</i>	<i>-0.06</i>
Other OECD	0.32	-0.02	-0.15	0.13	-0.03	<i>0.41</i>	<i>0.08</i>	<i>-0.15</i>	<i>0.03</i>	<i>-0.02</i>	<i>-0.11</i>	<i>-0.25</i>	0.07	<i>0.08</i>	<i>-0.09</i>
Other Stock Draws and Balance	-0.38	0.60	1.13	-0.84	-0.06	<i>0.93</i>	<i>0.18</i>	<i>-0.32</i>	<i>0.05</i>	<i>-0.05</i>	<i>-0.25</i>	<i>-0.56</i>	0.13	<i>0.18</i>	<i>-0.20</i>
Total Stock Draw	-0.14	0.47	0.73	-0.40	0.24	<i>0.94</i>	<i>0.00</i>	<i>-0.14</i>	<i>0.09</i>	<i>-0.48</i>	<i>-0.50</i>	<i>-0.52</i>	0.17	<i>0.26</i>	<i>-0.35</i>
End-of-period Commercial Crude Oil and Other Liquids Inventories (million barrels)															
U.S. Commercial Inventory	1,231	1,264	1,283	1,252	1,213	<i>1,240</i>	<i>1,251</i>	<i>1,221</i>	<i>1,220</i>	<i>1,257</i>	<i>1,269</i>	<i>1,243</i>	1,252	<i>1,221</i>	<i>1,243</i>
OECD Commercial Inventory	2,746	2,782	2,815	2,771	2,735	<i>2,725</i>	<i>2,729</i>	<i>2,712</i>	<i>2,709</i>	<i>2,747</i>	<i>2,770</i>	<i>2,766</i>	2,771	<i>2,712</i>	<i>2,766</i>

(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 *Petroleum 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.

- = no data available

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

OPEC = Organization of the Petroleum Exporting Countries: Algeria, Congo (Brazzaville), Equatorial Guinea, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Saudi Arabia, United Arab Emirates, Venezuela.

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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* (<https://www.eia.gov/international/data/world>).

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

Forecasts: EIA Short-Term Integrated Forecasting System.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
North America	28.91	29.29	30.16	30.80	29.76	<i>29.98</i>	<i>30.46</i>	<i>30.87</i>	<i>30.87</i>	<i>30.95</i>	<i>31.18</i>	<i>31.48</i>	29.80	<i>30.27</i>	<i>31.13</i>
Canada	5.79	5.44	5.79	6.10	6.07	<i>5.69</i>	<i>5.87</i>	<i>6.07</i>	<i>6.14</i>	<i>5.85</i>	<i>6.05</i>	<i>6.19</i>	5.78	<i>5.93</i>	<i>6.06</i>
Mexico	2.07	2.16	2.11	2.09	2.05	<i>2.02</i>	<i>2.00</i>	<i>1.97</i>	<i>1.97</i>	<i>1.94</i>	<i>1.92</i>	<i>1.90</i>	2.11	<i>2.01</i>	<i>1.93</i>
United States	21.05	21.69	22.27	22.60	21.64	<i>22.27</i>	<i>22.60</i>	<i>22.83</i>	<i>22.76</i>	<i>23.16</i>	<i>23.21</i>	<i>23.40</i>	21.91	<i>22.34</i>	<i>23.14</i>
Central and South America	6.31	6.99	7.62	7.40	7.14	<i>7.65</i>	<i>7.98</i>	<i>7.51</i>	<i>7.21</i>	<i>7.66</i>	<i>8.07</i>	<i>7.80</i>	7.09	<i>7.57</i>	<i>7.69</i>
Argentina	0.81	0.81	0.82	0.84	0.87	<i>0.87</i>	<i>0.89</i>	<i>0.91</i>	<i>0.90</i>	<i>0.91</i>	<i>0.93</i>	<i>0.95</i>	0.82	<i>0.89</i>	<i>0.92</i>
Brazil	3.55	4.19	4.82	4.49	4.02	<i>4.53</i>	<i>4.86</i>	<i>4.41</i>	<i>4.15</i>	<i>4.59</i>	<i>4.91</i>	<i>4.50</i>	4.27	<i>4.46</i>	<i>4.54</i>
Colombia	0.79	0.81	0.81	0.81	0.80	<i>0.80</i>	<i>0.79</i>	<i>0.78</i>	<i>0.78</i>	<i>0.77</i>	<i>0.76</i>	<i>0.75</i>	0.81	<i>0.79</i>	<i>0.76</i>
Ecuador	0.46	0.48	0.48	0.49	0.49	<i>0.50</i>	<i>0.49</i>	<i>0.46</i>	<i>0.44</i>	<i>0.44</i>	<i>0.44</i>	<i>0.44</i>	0.48	<i>0.48</i>	<i>0.44</i>
Guyana	0.35	0.37	0.36	0.44	0.63	<i>0.63</i>	<i>0.63</i>	<i>0.63</i>	<i>0.63</i>	<i>0.63</i>	<i>0.72</i>	<i>0.84</i>	0.38	<i>0.63</i>	<i>0.70</i>
Europe	4.01	3.95	3.84	3.94	4.04	<i>4.02</i>	<i>3.94</i>	<i>4.04</i>	<i>4.18</i>	<i>4.08</i>	<i>3.98</i>	<i>4.09</i>	3.94	<i>4.01</i>	<i>4.08</i>
Norway	2.03	2.03	1.98	2.06	2.07	<i>2.00</i>	<i>2.01</i>	<i>2.14</i>	<i>2.17</i>	<i>2.10</i>	<i>2.09</i>	<i>2.18</i>	2.02	<i>2.06</i>	<i>2.14</i>
United Kingdom	0.87	0.80	0.75	0.76	0.86	<i>0.90</i>	<i>0.79</i>	<i>0.75</i>	<i>0.87</i>	<i>0.85</i>	<i>0.76</i>	<i>0.77</i>	0.79	<i>0.82</i>	<i>0.81</i>
Eurasia	14.11	13.65	13.42	13.70	13.66	<i>13.30</i>	<i>13.21</i>	<i>13.40</i>	<i>13.58</i>	<i>13.72</i>	<i>13.73</i>	<i>13.91</i>	13.72	<i>13.39</i>	<i>13.74</i>
Azerbaijan	0.65	0.62	0.62	0.61	0.60	<i>0.60</i>	<i>0.60</i>	<i>0.61</i>	<i>0.62</i>	<i>0.64</i>	<i>0.66</i>	<i>0.65</i>	0.62	<i>0.60</i>	<i>0.64</i>
Kazakhstan	2.02	1.97	1.85	1.99	1.99	<i>1.95</i>	<i>1.94</i>	<i>2.00</i>	<i>2.06</i>	<i>2.09</i>	<i>1.99</i>	<i>2.16</i>	1.96	<i>1.97</i>	<i>2.08</i>
Russia	11.06	10.68	10.58	10.70	10.67	<i>10.36</i>	<i>10.27</i>	<i>10.39</i>	<i>10.50</i>	<i>10.60</i>	<i>10.70</i>	<i>10.70</i>	10.75	<i>10.42</i>	<i>10.63</i>
Turkmenistan	0.27	0.27	0.27	0.27	0.27	<i>0.27</i>	<i>0.27</i>	<i>0.27</i>	<i>0.27</i>	<i>0.27</i>	<i>0.27</i>	<i>0.27</i>	0.27	<i>0.27</i>	<i>0.27</i>
Middle East	3.22	3.26	3.23	3.21	3.14	<i>3.13</i>	<i>3.20</i>	<i>3.20</i>	<i>3.23</i>	<i>3.25</i>	<i>3.31</i>	<i>3.35</i>	3.23	<i>3.17</i>	<i>3.28</i>
Oman	1.07	1.06	1.05	1.05	1.01	<i>1.00</i>	<i>1.04</i>	<i>1.04</i>	<i>1.07</i>	<i>1.07</i>	<i>1.07</i>	<i>1.07</i>	1.06	<i>1.02</i>	<i>1.07</i>
Qatar	1.86	1.86	1.86	1.86	1.86	<i>1.86</i>	<i>1.86</i>	<i>1.86</i>	<i>1.86</i>	<i>1.88</i>	<i>1.93</i>	<i>1.97</i>	1.86	<i>1.86</i>	<i>1.91</i>
Asia and Oceania	9.21	9.24	9.12	9.26	9.41	<i>9.39</i>	<i>9.38</i>	<i>9.41</i>	<i>9.43</i>	<i>9.45</i>	<i>9.45</i>	<i>9.49</i>	9.21	<i>9.40</i>	<i>9.46</i>
Australia	0.41	0.41	0.40	0.41	0.41	<i>0.40</i>	<i>0.40</i>	<i>0.39</i>	<i>0.38</i>	<i>0.38</i>	<i>0.38</i>	<i>0.38</i>	0.41	<i>0.40</i>	<i>0.38</i>
China	5.32	5.32	5.19	5.23	5.32	<i>5.32</i>	<i>5.31</i>	<i>5.35</i>	<i>5.32</i>	<i>5.35</i>	<i>5.34</i>	<i>5.38</i>	5.26	<i>5.33</i>	<i>5.35</i>
India	0.85	0.88	0.92	0.94	0.97	<i>0.97</i>	<i>0.96</i>	<i>0.96</i>	<i>0.99</i>	<i>0.99</i>	<i>0.98</i>	<i>0.98</i>	0.90	<i>0.96</i>	<i>0.99</i>
Indonesia	0.82	0.88	0.87	0.87	0.88	<i>0.88</i>	<i>0.88</i>	<i>0.87</i>	<i>0.89</i>	<i>0.88</i>	<i>0.88</i>	<i>0.88</i>	0.86	<i>0.88</i>	<i>0.88</i>
Malaysia	0.61	0.58	0.58	0.61	0.59	<i>0.59</i>	<i>0.58</i>	<i>0.58</i>	<i>0.58</i>	<i>0.58</i>	<i>0.59</i>	<i>0.59</i>	0.60	<i>0.58</i>	<i>0.59</i>
Africa	2.55	2.64	2.67	2.71	2.63	<i>2.56</i>	<i>2.66</i>	<i>2.69</i>	<i>2.67</i>	<i>2.67</i>	<i>2.66</i>	<i>2.64</i>	2.64	<i>2.63</i>	<i>2.66</i>
Angola	1.17	1.23	1.23	1.24	1.20	<i>1.14</i>	<i>1.12</i>	<i>1.10</i>	<i>1.08</i>	<i>1.07</i>	<i>1.06</i>	<i>1.04</i>	1.22	<i>1.14</i>	<i>1.07</i>
Egypt	0.66	0.67	0.67	0.66	0.65	<i>0.64</i>	<i>0.64</i>	<i>0.64</i>	<i>0.62</i>	<i>0.62</i>	<i>0.62</i>	<i>0.62</i>	0.67	<i>0.65</i>	<i>0.62</i>
South Sudan	0.13	0.13	0.16	0.17	0.11	<i>0.08</i>	<i>0.15</i>	<i>0.15</i>	<i>0.15</i>	<i>0.15</i>	<i>0.14</i>	<i>0.14</i>	0.15	<i>0.12</i>	<i>0.14</i>
Total non-OPEC liquids	68.33	69.02	70.06	71.02	69.77	<i>70.02</i>	<i>70.82</i>	<i>71.12</i>	<i>71.17</i>	<i>71.79</i>	<i>72.39</i>	<i>72.76</i>	69.62	<i>70.44</i>	<i>72.03</i>
OPEC non-crude liquids	5.40	5.22	5.26	5.30	5.40	<i>5.27</i>	<i>5.30</i>	<i>5.33</i>	<i>5.28</i>	<i>5.28</i>	<i>5.28</i>	<i>5.28</i>	5.29	<i>5.32</i>	<i>5.28</i>
Non-OPEC + OPEC non-crude	73.73	74.24	75.32	76.32	75.16	<i>75.29</i>	<i>76.12</i>	<i>76.45</i>	<i>76.45</i>	<i>77.08</i>	<i>77.67</i>	<i>78.04</i>	74.91	<i>75.76</i>	<i>77.32</i>
Unplanned non-OPEC Production Outages	0.56	1.02	0.92	0.87	1.07	-	-	-	-	-	-	-	0.84	-	-

- = no data available

OPEC = Organization of the Petroleum Exporting Countries: Algeria, Congo (Brazzaville), Equatorial Guinea, Gabon, Iran, Iraq, Kuwait, Libya, Nigeria, Saudi Arabia, United Arab Emirates, Venezuela.

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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* (<https://www.eia.gov/international/data/world>).

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

Forecasts: EIA Short-Term Integrated Forecasting System.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Crude Oil															
Algeria	1.01	0.98	0.95	0.96	0.91	-	-	-	-	-	-	-	0.97	-	-
Congo (Brazzaville)	0.27	0.25	0.26	0.26	0.25	-	-	-	-	-	-	-	0.26	-	-
Equatorial Guinea	0.06	0.06	0.06	0.05	0.06	-	-	-	-	-	-	-	0.06	-	-
Gabon	0.20	0.21	0.20	0.21	0.21	-	-	-	-	-	-	-	0.20	-	-
Iran	2.60	2.74	2.97	3.18	3.23	-	-	-	-	-	-	-	2.87	-	-
Iraq	4.41	4.19	4.33	4.33	4.29	-	-	-	-	-	-	-	4.32	-	-
Kuwait	2.68	2.59	2.56	2.53	2.47	-	-	-	-	-	-	-	2.59	-	-
Libya	1.14	1.15	1.15	1.17	1.11	-	-	-	-	-	-	-	1.15	-	-
Nigeria	1.24	1.19	1.21	1.31	1.28	-	-	-	-	-	-	-	1.24	-	-
Saudi Arabia	10.02	10.18	9.02	8.93	9.13	-	-	-	-	-	-	-	9.53	-	-
United Arab Emirates	3.06	2.94	2.91	2.90	2.92	-	-	-	-	-	-	-	2.95	-	-
Venezuela	0.70	0.75	0.76	0.75	0.79	-	-	-	-	-	-	-	0.74	-	-
OPEC Total	27.38	27.23	26.37	26.58	26.66	<i>26.50</i>	<i>27.27</i>	<i>27.13</i>	<i>27.20</i>	<i>27.37</i>	<i>27.45</i>	<i>27.17</i>	26.89	<i>26.89</i>	<i>27.30</i>
Other Liquids (a)	5.40	5.22	5.26	5.30	5.40	<i>5.27</i>	<i>5.30</i>	<i>5.33</i>	<i>5.28</i>	<i>5.28</i>	<i>5.28</i>	<i>5.28</i>	5.29	<i>5.32</i>	<i>5.28</i>
Total OPEC Production	32.77	32.46	31.63	31.88	32.05	<i>31.77</i>	<i>32.56</i>	<i>32.46</i>	<i>32.48</i>	<i>32.65</i>	<i>32.73</i>	<i>32.45</i>	32.18	<i>32.21</i>	<i>32.58</i>
OPEC+ Crude Oil Production	38.20	37.50	36.25	36.34	36.10	<i>35.62</i>	<i>36.42</i>	<i>36.40</i>	<i>36.65</i>	<i>36.96</i>	<i>37.05</i>	<i>36.91</i>	37.07	<i>36.14</i>	<i>36.89</i>
Crude Oil Production Capacity															
Middle East	25.88	25.67	25.90	26.11	26.26	26.23	26.30	26.60	26.85	26.85	26.85	26.85	25.89	26.35	26.85
Other	4.63	4.64	4.67	4.78	4.72	4.71	4.70	4.72	4.68	4.67	4.66	4.66	4.68	4.72	4.67
OPEC Total	30.50	30.31	30.56	30.89	30.98	<i>30.95</i>	<i>31.01</i>	<i>31.33</i>	<i>31.53</i>	<i>31.52</i>	<i>31.51</i>	<i>31.51</i>	30.57	<i>31.07</i>	<i>31.52</i>
Surplus Crude Oil Production Capacity															
Middle East	3.10	3.02	4.11	4.23	4.22	4.33	3.68	4.13	4.27	4.08	4.00	4.27	3.62	4.09	4.15
Other	0.02	0.05	0.08	0.07	0.11	0.11	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.08	0.07
OPEC Total	3.13	3.07	4.19	4.31	4.33	<i>4.45</i>	<i>3.74</i>	<i>4.19</i>	<i>4.33</i>	<i>4.15</i>	<i>4.07</i>	<i>4.34</i>	3.68	<i>4.18</i>	<i>4.22</i>
Unplanned OPEC Production Outages	1.94	2.13	1.95	1.52	1.52	-	-	-	-	-	-	-	1.88	-	-

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

OPEC = Organization of the Petroleum Exporting Countries: Iran, Iraq, Kuwait, Saudi Arabia, and United Arab Emirates (Middle East); Algeria, Congo (Brazzaville), Equatorial Guinea, Gabon, Libya, Nigeria, and Venezuela (Other).

OPEC+ = OPEC (excluding Iran, Libya, and Venezuela) plus Azerbaijan, Bahrain, Brunei, Kazakhstan, Malaysia, Mexico, Oman, Russia, South Sudan, and Sudan.

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

Forecasts are not published for individual OPEC countries.

Historical data: Latest data available from Energy Information Administration *International Energy Statistics* (<https://www.eia.gov/international/data/world>).

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

Forecasts: EIA Short-Term Integrated Forecasting System.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				2023	2024	2025
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
North America	23.83	24.70	24.87	24.80	24.08	<i>24.88</i>	<i>25.05</i>	<i>24.93</i>	<i>24.56</i>	<i>24.86</i>	<i>25.03</i>	<i>24.94</i>	24.55	<i>24.74</i>	<i>24.85</i>
Canada	2.33	2.47	2.63	2.37	2.38	<i>2.33</i>	<i>2.43</i>	<i>2.40</i>	<i>2.34</i>	<i>2.29</i>	<i>2.39</i>	<i>2.37</i>	2.45	<i>2.39</i>	<i>2.35</i>
Mexico	1.83	1.84	1.86	1.85	1.87	<i>1.90</i>	<i>1.90</i>	<i>1.91</i>	<i>1.91</i>	<i>1.94</i>	<i>1.94</i>	<i>1.95</i>	1.85	<i>1.89</i>	<i>1.93</i>
United States	19.66	20.38	20.37	20.56	19.82	<i>20.65</i>	<i>20.72</i>	<i>20.60</i>	<i>20.30</i>	<i>20.63</i>	<i>20.69</i>	<i>20.61</i>	20.25	<i>20.45</i>	<i>20.56</i>
Central and South America	6.60	6.73	6.84	6.77	6.55	<i>6.69</i>	<i>6.80</i>	<i>6.73</i>	<i>6.67</i>	<i>6.82</i>	<i>6.93</i>	<i>6.86</i>	6.74	<i>6.69</i>	<i>6.82</i>
Brazil	3.05	3.11	3.19	3.17	3.06	<i>3.12</i>	<i>3.20</i>	<i>3.18</i>	<i>3.12</i>	<i>3.18</i>	<i>3.26</i>	<i>3.25</i>	3.13	<i>3.14</i>	<i>3.20</i>
Europe	13.84	14.31	14.41	14.10	13.93	<i>14.10</i>	<i>14.51</i>	<i>14.28</i>	<i>13.92</i>	<i>14.10</i>	<i>14.51</i>	<i>14.28</i>	14.17	<i>14.20</i>	<i>14.20</i>
Eurasia	4.66	4.82	5.16	5.06	4.60	<i>4.76</i>	<i>5.11</i>	<i>5.00</i>	<i>4.63</i>	<i>4.79</i>	<i>5.14</i>	<i>5.04</i>	4.93	<i>4.87</i>	<i>4.90</i>
Russia	3.54	3.64	3.95	3.80	3.55	<i>3.64</i>	<i>3.96</i>	<i>3.80</i>	<i>3.55</i>	<i>3.65</i>	<i>3.97</i>	<i>3.81</i>	3.73	<i>3.74</i>	<i>3.75</i>
Middle East	9.28	9.39	9.98	9.39	9.54	<i>9.53</i>	<i>10.06</i>	<i>9.48</i>	<i>9.76</i>	<i>9.77</i>	<i>10.32</i>	<i>9.70</i>	9.51	<i>9.65</i>	<i>9.89</i>
Asia and Oceania	38.20	37.42	36.66	37.73	38.72	<i>38.10</i>	<i>37.28</i>	<i>38.28</i>	<i>39.44</i>	<i>38.85</i>	<i>37.99</i>	<i>39.01</i>	37.50	<i>38.09</i>	<i>38.82</i>
China	16.02	16.21	15.90	16.11	16.29	<i>16.48</i>	<i>16.16</i>	<i>16.37</i>	<i>16.56</i>	<i>16.76</i>	<i>16.43</i>	<i>16.65</i>	16.06	<i>16.32</i>	<i>16.60</i>
Japan	3.73	3.10	3.10	3.44	3.59	<i>2.98</i>	<i>3.08</i>	<i>3.41</i>	<i>3.54</i>	<i>2.94</i>	<i>3.04</i>	<i>3.36</i>	3.34	<i>3.27</i>	<i>3.22</i>
India	5.38	5.35	5.05	5.47	5.64	<i>5.71</i>	<i>5.33</i>	<i>5.67</i>	<i>5.94</i>	<i>6.01</i>	<i>5.61</i>	<i>5.97</i>	5.31	<i>5.59</i>	<i>5.88</i>
Africa	4.56	4.58	4.49	4.66	4.65	<i>4.67</i>	<i>4.58</i>	<i>4.75</i>	<i>4.76</i>	<i>4.78</i>	<i>4.69</i>	<i>4.86</i>	4.57	<i>4.66</i>	<i>4.77</i>
Total OECD Liquid Fuels Consumption	45.22	45.68	46.04	46.08	45.43	<i>45.60</i>	<i>46.30</i>	<i>46.39</i>	<i>45.88</i>	<i>45.56</i>	<i>46.26</i>	<i>46.37</i>	45.76	<i>45.93</i>	<i>46.02</i>
Total non-OECD Liquid Fuels Consumption	55.75	56.27	56.37	56.42	56.63	<i>57.13</i>	<i>57.09</i>	<i>57.06</i>	<i>57.87</i>	<i>58.41</i>	<i>58.36</i>	<i>58.32</i>	56.21	<i>56.98</i>	<i>58.24</i>
Total World Liquid Fuels Consumption	100.97	101.95	102.42	102.50	102.06	<i>102.73</i>	<i>103.39</i>	<i>103.45</i>	<i>103.74</i>	<i>103.97</i>	<i>104.62</i>	<i>104.70</i>	101.96	<i>102.91</i>	<i>104.26</i>
Real Gross Domestic Product (a)															
World Index, 2015 Q1 = 100	125.8	127.0	127.8	128.8	129.4	<i>130.4</i>	<i>131.4</i>	<i>132.6</i>	<i>133.6</i>	<i>134.7</i>	<i>135.8</i>	<i>136.9</i>	127.3	<i>131.0</i>	<i>135.3</i>
Percent change from prior year	2.8	3.6	3.1	3.2	2.9	<i>2.7</i>	<i>2.9</i>	<i>3.0</i>	<i>3.2</i>	<i>3.3</i>	<i>3.3</i>	<i>3.3</i>	3.2	<i>2.9</i>	<i>3.3</i>
OECD Index, 2015 = 100	115.9	117.6	119.8										115.9	<i>117.6</i>	<i>119.8</i>
Percent change from prior year	1.7	1.5	1.9										1.7	<i>1.5</i>	<i>1.9</i>
Non-OECD Index, 2015 = 100	134.9	140.2	146.3										134.9	<i>140.2</i>	<i>146.3</i>
Percent change from prior year	4.4	4.0	4.4										4.4	<i>4.0</i>	<i>4.4</i>
Nominal U.S. Dollar Index (b)															
Index, 2015 Q1 = 100	114.1	113.4	114.0	115.6	114.8	<i>115.5</i>	<i>115.4</i>	<i>115.1</i>	<i>114.8</i>	<i>114.3</i>	<i>113.5</i>	<i>112.9</i>	114.3	<i>115.2</i>	<i>113.9</i>
Percent change from prior year	4.2	0.5	-2.7	-2.4	0.6	<i>1.8</i>	<i>1.3</i>	<i>-0.4</i>	<i>0.0</i>	<i>-1.0</i>	<i>-1.6</i>	<i>-1.9</i>	-0.2	<i>0.8</i>	<i>-1.2</i>

(a) GDP values for the individual countries in the indexes are converted to U.S. dollars at purchasing power parity and then summed to create values for the world, OECD, and non-OECD. Historical and forecast data are from Oxford Economics, and quarterly values are reindexed to 2015 Q1 by EIA.

(b) Data source is the Board of Governors of the U.S. Federal Reserve System Nominal Broad Trade-Weighted Dollar Index. An increase in the index indicates an appreciation of the U.S. dollar against a basket of currencies and a decrease in the index indicates a depreciation of the U.S. dollar against a basket of currencies. Historical and forecast data are from Oxford Economics, and quarterly values are reindexed to 2015 Q1 by EIA.

- = no data available

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

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

Historical data: Energy Information Administration *International Energy Statistics* (<https://www.eia.gov/international/data/world>) and Oxford Economics.

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

Forecasts: EIA Short-Term Integrated Forecasting System.

Table 4a. U.S. Petroleum and Other Liquids Supply, Consumption, and Inventories
U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Supply (million barrels per day)															
Crude Oil Supply															
Domestic Production (a)	12.63	12.75	13.07	13.27	12.84	<i>13.13</i>	<i>13.32</i>	<i>13.54</i>	<i>13.56</i>	<i>13.72</i>	<i>13.74</i>	<i>13.86</i>	12.93	<i>13.21</i>	<i>13.72</i>
Alaska	0.44	0.43	0.40	0.43	0.43	<i>0.41</i>	<i>0.39</i>	<i>0.42</i>	<i>0.42</i>	<i>0.40</i>	<i>0.38</i>	<i>0.41</i>	0.43	<i>0.41</i>	<i>0.40</i>
Federal Gulf of Mexico (b)	1.87	1.77	1.94	1.88	1.75	<i>1.83</i>	<i>1.86</i>	<i>1.90</i>	<i>1.98</i>	<i>1.99</i>	<i>1.94</i>	<i>1.97</i>	1.86	<i>1.84</i>	<i>1.97</i>
Lower 48 States (excl GOM)	10.31	10.55	10.73	10.97	10.66	<i>10.88</i>	<i>11.08</i>	<i>11.22</i>	<i>11.17</i>	<i>11.33</i>	<i>11.43</i>	<i>11.48</i>	10.64	<i>10.96</i>	<i>11.35</i>
Transfers to Crude Oil Supply	0.39	0.51	0.70	0.58	0.49	<i>0.52</i>	<i>0.55</i>	<i>0.52</i>	<i>0.50</i>	<i>0.54</i>	<i>0.57</i>	<i>0.54</i>	0.55	<i>0.52</i>	<i>0.54</i>
Crude Oil Net Imports (c)	2.27	2.51	2.61	2.29	2.28	<i>2.57</i>	<i>2.15</i>	<i>1.51</i>	<i>1.26</i>	<i>1.49</i>	<i>1.32</i>	<i>0.99</i>	2.42	<i>2.12</i>	<i>1.27</i>
SPR Net Withdrawals	0.01	0.26	-0.04	-0.04	-0.10	<i>-0.10</i>	<i>-0.14</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	0.05	<i>-0.08</i>	<i>0.00</i>
Commercial Inventory Net Withdrawals	-0.39	0.12	0.41	-0.10	-0.29	<i>0.16</i>	<i>0.18</i>	<i>-0.07</i>	<i>-0.32</i>	<i>0.09</i>	<i>0.16</i>	<i>-0.08</i>	0.01	<i>0.00</i>	<i>-0.04</i>
Crude Oil Adjustment (d)	0.34	0.00	-0.22	-0.07	0.10	<i>0.21</i>	<i>0.18</i>	<i>0.21</i>	<i>0.23</i>	<i>0.19</i>	<i>0.16</i>	<i>0.20</i>	0.06	<i>0.18</i>	<i>0.20</i>
Total Crude Oil Input to Refineries	15.25	16.15	16.51	15.93	15.32	<i>16.48</i>	<i>16.25</i>	<i>15.71</i>	<i>15.23</i>	<i>16.04</i>	<i>15.96</i>	<i>15.50</i>	15.91	<i>15.94</i>	<i>15.68</i>
Other Supply															
Refinery Processing Gain	0.97	1.01	1.07	1.05	0.95	<i>1.05</i>	<i>1.05</i>	<i>1.04</i>	<i>0.97</i>	<i>1.02</i>	<i>1.05</i>	<i>1.04</i>	1.03	<i>1.02</i>	<i>1.02</i>
Natural Gas Plant Liquids Production	6.01	6.42	6.58	6.70	6.30	<i>6.54</i>	<i>6.66</i>	<i>6.66</i>	<i>6.63</i>	<i>6.76</i>	<i>6.76</i>	<i>6.82</i>	6.43	<i>6.54</i>	<i>6.74</i>
Renewables and Oxygenate Production (e)	1.24	1.29	1.31	1.35	1.33	<i>1.34</i>	<i>1.35</i>	<i>1.38</i>	<i>1.40</i>	<i>1.45</i>	<i>1.45</i>	<i>1.47</i>	1.30	<i>1.35</i>	<i>1.44</i>
Fuel Ethanol Production	1.00	1.00	1.02	1.05	1.04	<i>1.02</i>	<i>1.02</i>	<i>1.03</i>	<i>1.03</i>	<i>1.03</i>	<i>1.02</i>	<i>1.04</i>	1.02	<i>1.03</i>	<i>1.03</i>
Petroleum Products Adjustment (f)	0.20	0.22	0.23	0.23	0.21	<i>0.22</i>	<i>0.21</i>	<i>0.22</i>	<i>0.20</i>	<i>0.21</i>	<i>0.21</i>	<i>0.21</i>	0.22	<i>0.21</i>	<i>0.21</i>
Petroleum Products Transfers to Crude Oil Supply	-0.39	-0.51	-0.70	-0.58	-0.49	<i>-0.52</i>	<i>-0.55</i>	<i>-0.52</i>	<i>-0.50</i>	<i>-0.54</i>	<i>-0.57</i>	<i>-0.54</i>	-0.55	<i>-0.52</i>	<i>-0.54</i>
Product Net Imports (c)	-3.91	-3.71	-4.03	-4.56	-4.52	<i>-4.00</i>	<i>-3.95</i>	<i>-4.28</i>	<i>-3.97</i>	<i>-3.82</i>	<i>-3.87</i>	<i>-4.27</i>	-4.06	<i>-4.19</i>	<i>-3.98</i>
Hydrocarbon Gas Liquids	-2.47	-2.39	-2.42	-2.58	-2.62	<i>-2.55</i>	<i>-2.52</i>	<i>-2.50</i>	<i>-2.66</i>	<i>-2.68</i>	<i>-2.60</i>	<i>-2.62</i>	-2.46	<i>-2.55</i>	<i>-2.64</i>
Unfinished Oils	0.28	0.27	0.22	0.18	0.28	<i>0.40</i>	<i>0.41</i>	<i>0.32</i>	<i>0.29</i>	<i>0.38</i>	<i>0.41</i>	<i>0.32</i>	0.24	<i>0.35</i>	<i>0.35</i>
Other HC/Oxygenates	-0.05	-0.07	-0.04	-0.05	-0.06	<i>-0.05</i>	<i>-0.04</i>	<i>-0.05</i>	<i>-0.09</i>	<i>-0.08</i>	<i>-0.07</i>	<i>-0.08</i>	-0.05	<i>-0.05</i>	<i>-0.08</i>
Motor Gasoline Blend Comp.	0.45	0.67	0.57	0.41	0.32	<i>0.56</i>	<i>0.63</i>	<i>0.46</i>	<i>0.53</i>	<i>0.68</i>	<i>0.59</i>	<i>0.36</i>	0.52	<i>0.49</i>	<i>0.54</i>
Finished Motor Gasoline	-0.75	-0.58	-0.67	-0.81	-0.79	<i>-0.62</i>	<i>-0.67</i>	<i>-0.89</i>	<i>-0.70</i>	<i>-0.53</i>	<i>-0.55</i>	<i>-0.73</i>	-0.70	<i>-0.74</i>	<i>-0.63</i>
Jet Fuel	-0.05	0.01	-0.05	-0.09	-0.09	<i>-0.02</i>	<i>0.00</i>	<i>-0.01</i>	<i>-0.03</i>	<i>0.05</i>	<i>0.07</i>	<i>0.05</i>	-0.05	<i>-0.03</i>	<i>0.03</i>
Distillate Fuel Oil	-0.76	-0.97	-1.01	-1.01	-0.87	<i>-0.96</i>	<i>-1.02</i>	<i>-0.93</i>	<i>-0.64</i>	<i>-0.91</i>	<i>-0.94</i>	<i>-0.86</i>	-0.94	<i>-0.95</i>	<i>-0.84</i>
Residual Fuel Oil	0.01	-0.04	-0.03	0.00	-0.03	<i>-0.11</i>	<i>-0.12</i>	<i>-0.04</i>	<i>-0.06</i>	<i>-0.06</i>	<i>-0.11</i>	<i>-0.03</i>	-0.01	<i>-0.07</i>	<i>-0.07</i>
Other Oils (g)	-0.58	-0.61	-0.59	-0.61	-0.65	<i>-0.66</i>	<i>-0.62</i>	<i>-0.63</i>	<i>-0.61</i>	<i>-0.67</i>	<i>-0.65</i>	<i>-0.69</i>	-0.60	<i>-0.64</i>	<i>-0.66</i>
Product Inventory Net Withdrawals	0.30	-0.49	-0.61	0.44	0.71	<i>-0.45</i>	<i>-0.30</i>	<i>0.39</i>	<i>0.34</i>	<i>-0.49</i>	<i>-0.29</i>	<i>0.37</i>	-0.09	<i>0.09</i>	<i>-0.02</i>
Total Supply	19.67	20.38	20.37	20.56	19.82	<i>20.65</i>	<i>20.72</i>	<i>20.60</i>	<i>20.30</i>	<i>20.63</i>	<i>20.69</i>	<i>20.61</i>	20.25	<i>20.45</i>	<i>20.56</i>
Consumption (million barrels per day)															
Hydrocarbon Gas Liquids	3.40	3.36	3.25	3.81	3.75	<i>3.39</i>	<i>3.46</i>	<i>3.83</i>	<i>3.83</i>	<i>3.44</i>	<i>3.48</i>	<i>3.87</i>	3.46	<i>3.61</i>	<i>3.65</i>
Other HC/Oxygenates	0.22	0.28	0.28	0.28	0.28	<i>0.30</i>	<i>0.30</i>	<i>0.33</i>	<i>0.34</i>	<i>0.37</i>	<i>0.37</i>	<i>0.40</i>	0.27	<i>0.30</i>	<i>0.37</i>
Unfinished Oils	0.00	0.00	0.00	0.00	0.00	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	<i>0.00</i>	0.00	<i>0.00</i>	<i>0.00</i>
Motor Gasoline	8.67	9.13	9.05	8.93	8.62	<i>9.17</i>	<i>9.14</i>	<i>8.80</i>	<i>8.65</i>	<i>9.12</i>	<i>9.07</i>	<i>8.72</i>	8.94	<i>8.94</i>	<i>8.89</i>
Fuel Ethanol blended into Motor Gasoline	0.90	0.94	0.94	0.94	0.89	<i>0.95</i>	<i>0.95</i>	<i>0.94</i>	<i>0.90</i>	<i>0.95</i>	<i>0.95</i>	<i>0.94</i>	0.93	<i>0.93</i>	<i>0.93</i>
Jet Fuel	1.55	1.67	1.72	1.66	1.57	<i>1.72</i>	<i>1.73</i>	<i>1.68</i>	<i>1.63</i>	<i>1.75</i>	<i>1.77</i>	<i>1.73</i>	1.65	<i>1.67</i>	<i>1.72</i>
Distillate Fuel Oil	4.01	3.93	3.90	3.90	3.84	<i>4.00</i>	<i>3.91</i>	<i>4.00</i>	<i>4.08</i>	<i>3.94</i>	<i>3.89</i>	<i>3.98</i>	3.93	<i>3.94</i>	<i>3.97</i>
Residual Fuel Oil	0.29	0.22	0.27	0.31	0.29	<i>0.26</i>	<i>0.22</i>	<i>0.24</i>	<i>0.23</i>	<i>0.23</i>	<i>0.21</i>	<i>0.24</i>	0.27	<i>0.25</i>	<i>0.23</i>
Other Oils (g)	1.53	1.79	1.89	1.67	1.48	<i>1.82</i>	<i>1.95</i>	<i>1.71</i>	<i>1.55</i>	<i>1.77</i>	<i>1.90</i>	<i>1.66</i>	1.72	<i>1.74</i>	<i>1.72</i>
Total Consumption	19.66	20.38	20.37	20.56	19.82	<i>20.65</i>	<i>20.72</i>	<i>20.60</i>	<i>20.30</i>	<i>20.63</i>	<i>20.69</i>	<i>20.61</i>	20.25	<i>20.45</i>	<i>20.56</i>
Total Petroleum and Other Liquids Net Imports	-1.64	-1.20	-1.42	-2.28	-2.24	<i>-1.44</i>	<i>-1.81</i>	<i>-2.77</i>	<i>-2.71</i>	<i>-2.33</i>	<i>-2.55</i>	<i>-3.28</i>	-1.64	<i>-2.06</i>	<i>-2.72</i>
End-of-period Inventories (million barrels)															
Commercial Inventory															
Crude Oil (excluding SPR)	465.4	454.7	417.5	426.4	452.4	<i>437.9</i>	<i>421.6</i>	<i>427.9</i>	<i>456.9</i>	<i>448.7</i>	<i>434.3</i>	<i>441.6</i>	426.4	<i>427.9</i>	<i>441.6</i>
Hydrocarbon Gas Liquids	174.3	225.4	279.1	223.3	165.1	<i>214.2</i>	<i>255.0</i>	<i>211.7</i>	<i>174.3</i>	<i>227.6</i>	<i>268.4</i>	<i>227.3</i>	223.3	<i>211.7</i>	<i>227.3</i>
Unfinished Oils	88.6	87.0	88.3	84.1	90.1	<i>87.8</i>	<i>86.8</i>	<i>79.6</i>	<i>88.6</i>	<i>86.7</i>	<i>86.6</i>	<i>80.7</i>	84.1	<i>79.6</i>	<i>80.7</i>
Other HC/Oxygenates	34.3	30.1	30.3	33.2	37.9	<i>36.7</i>	<i>36.4</i>	<i>36.7</i>	<i>38.8</i>	<i>37.5</i>	<i>37.2</i>	<i>37.5</i>	33.2	<i>36.7</i>	<i>37.5</i>
Total Motor Gasoline	225.3	223.2	227.6	241.3	226.9	<i>220.0</i>	<i>215.9</i>	<i>230.5</i>	<i>229.1</i>	<i>225.0</i>	<i>216.9</i>	<i>229.1</i>	241.3	<i>230.5</i>	<i>229.1</i>
Finished Motor Gasoline	14.7	17.6	15.3	18.1	13.0	<i>18.4</i>	<i>17.4</i>	<i>19.5</i>	<i>16.0</i>	<i>18.3</i>	<i>17.8</i>	<i>20.1</i>	18.1	<i>19.5</i>	<i>20.1</i>
Motor Gasoline Blend Comp.	210.6	205.6	212.3	223.2	211.8	<i>201.6</i>	<i>198.5</i>	<i>211.0</i>	<i>213.1</i>	<i>206.7</i>	<i>199.1</i>	<i>208.9</i>	223.2	<i>211.0</i>	<i>208.9</i>
Jet Fuel	37.7	42.7	43.5	39.8	40.7	<i>41.2</i>	<i>42.3</i>	<i>39.2</i>	<i>37.5</i>	<i>37.9</i>	<i>39.2</i>	<i>35.2</i>	39.8	<i>39.2</i>	<i>35.2</i>
Distillate Fuel Oil	112.3	112.6	119.2	130.7	115.6	<i>117.5</i>	<i>119.6</i>	<i>121.3</i>	<i>109.8</i>	<i>110.4</i>	<i>114.7</i>	<i>118.1</i>	130.7	<i>121.3</i>	<i>118.1</i>
Residual Fuel Oil	29.6	30.4	27.5	24.1	29.8	<i>29.7</i>	<i>27.4</i>	<i>26.8</i>	<i>28.1</i>	<i>27.8</i>	<i>25.8</i>	<i>25.3</i>	24.1	<i>26.8</i>	<i>25.3</i>
Other Oils (g)	63.3	58.3	50.5	49.3	57.0	<i>55.1</i>	<i>46.1</i>	<i>47.8</i>	<i>57.1</i>	<i>55.2</i>	<i>46.1</i>	<i>47.7</i>	49.3	<i>47.8</i>	<i>47.7</i>
Total Commercial Inventory	1230.8	1264.4	1283.4	1252.2	1213.4	<i>1240.1</i>	<i>1251.3</i>	<i>1221.4</i>	<i>1220.2</i>	<i>1256.8</i>	<i>1269.2</i>	<i>1242.6</i>	1252.2	<i>1221.4</i>	

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 - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
HGL Production															
Natural Gas Processing Plants															
Ethane	2.49	2.65	2.63	2.71	2.58	2.75	2.76	2.75	2.74	2.79	2.74	2.83	2.62	2.71	2.77
Propane	1.89	2.00	2.05	2.10	1.97	1.99	2.04	2.08	2.09	2.10	2.10	2.11	2.01	2.02	2.10
Butanes	0.99	1.06	1.09	1.10	1.04	1.06	1.08	1.10	1.10	1.11	1.12	1.14	1.06	1.07	1.12
Natural Gasoline (Pentanes Plus)	0.64	0.73	0.81	0.79	0.71	0.74	0.78	0.74	0.71	0.76	0.79	0.75	0.74	0.74	0.75
Refinery and Blender Net Production															
Ethane/Ethylene	0.01	0.00	0.01	0.02	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01
Propane	0.27	0.29	0.28	0.27	0.27	0.28	0.28	0.27	0.28	0.30	0.29	0.28	0.28	0.28	0.29
Propylene (refinery-grade)	0.24	0.26	0.25	0.26	0.27	0.29	0.27	0.28	0.27	0.28	0.27	0.27	0.25	0.28	0.28
Butanes/Butylenes	-0.05	0.28	0.21	-0.19	-0.07	0.26	0.20	-0.19	-0.08	0.27	0.20	-0.19	0.07	0.05	0.05
Renewable Fuels and Oxygenate Plant Net Production															
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
HGL Net Imports															
Ethane	-0.50	-0.49	-0.50	-0.40	-0.50	-0.51	-0.50	-0.50	-0.50	-0.51	-0.51	-0.55	-0.47	-0.50	-0.52
Propane/Propylene	-1.40	-1.40	-1.45	-1.65	-1.57	-1.43	-1.42	-1.48	-1.54	-1.53	-1.47	-1.50	-1.47	-1.47	-1.51
Butanes/Butylenes	-0.42	-0.41	-0.42	-0.41	-0.40	-0.45	-0.45	-0.35	-0.43	-0.48	-0.48	-0.40	-0.42	-0.41	-0.45
Natural Gasoline (Pentanes Plus)	-0.15	-0.09	-0.06	-0.11	-0.16	-0.15	-0.15	-0.17	-0.19	-0.15	-0.14	-0.16	-0.10	-0.16	-0.16
HGL Refinery and Blender Net Inputs															
Butanes/Butylenes	0.48	0.29	0.35	0.57	0.46	0.30	0.35	0.55	0.46	0.29	0.34	0.54	0.42	0.42	0.41
Natural Gasoline (Pentanes Plus)	0.18	0.20	0.21	0.21	0.17	0.17	0.18	0.18	0.16	0.17	0.18	0.17	0.20	0.18	0.17
HGL Consumption															
Ethane/Ethylene	1.99	2.19	2.07	2.25	2.19	2.23	2.25	2.26	2.24	2.25	2.26	2.27	2.13	2.23	2.25
Propane	0.98	0.62	0.62	0.95	1.04	0.62	0.66	0.99	1.08	0.64	0.69	1.01	0.79	0.83	0.86
Propylene (refinery-grade)	0.25	0.27	0.27	0.28	0.28	0.30	0.29	0.29	0.30	0.30	0.29	0.29	0.27	0.29	0.29
Butanes/Butylenes	0.18	0.28	0.29	0.34	0.24	0.23	0.26	0.29	0.22	0.25	0.25	0.29	0.27	0.26	0.25
Natural Gasoline (Pentanes Plus)	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
HGL Inventories (million barrels)															
Ethane	53.0	54.2	52.4	68.0	57.1	57.1	58.7	58.9	58.1	61.9	60.4	61.9	56.9	58.0	60.6
Propane	55.8	79.2	102.2	79.8	45.1	63.3	83.8	71.5	46.7	65.3	85.7	73.6	79.8	71.5	73.6
Propylene (at refineries only)	1.1	1.1	1.2	0.9	1.0	1.4	1.7	1.6	1.4	1.6	1.8	1.6	0.9	1.6	1.6
Butanes/Butylenes	40.2	70.1	90.2	50.1	37.4	66.3	84.3	55.4	45.6	75.8	97.1	68.3	50.1	55.4	68.3
Natural Gasoline (Pentanes Plus)	22.9	23.4	27.4	26.8	25.2	25.8	26.1	24.7	21.8	22.7	23.4	22.5	26.8	24.7	22.5
Refinery and Blender Net Inputs															
Crude Oil	15.25	16.15	16.51	15.93	15.32	16.48	16.25	15.71	15.23	16.04	15.96	15.50	15.96	15.94	15.68
Hydrocarbon Gas Liquids	0.66	0.49	0.56	0.78	0.64	0.47	0.53	0.73	0.62	0.46	0.52	0.72	0.62	0.59	0.58
Other Hydrocarbons/Oxygenates	1.13	1.20	1.21	1.18	1.13	1.20	1.20	1.17	1.14	1.20	1.19	1.17	1.18	1.17	1.17
Unfinished Oils	0.19	0.21	0.00	0.12	0.12	0.31	0.32	0.29	0.08	0.29	0.30	0.27	0.13	0.26	0.24
Motor Gasoline Blend Components	0.34	0.85	0.64	0.23	0.40	0.73	0.72	0.28	0.39	0.60	0.59	0.34	0.52	0.53	0.48
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	17.58	18.90	18.92	18.25	17.60	19.19	19.02	18.19	17.46	18.59	18.57	18.00	18.41	18.50	18.16
Refinery Processing Gain	0.97	1.01	1.07	1.05	0.95	1.05	1.05	1.04	0.97	1.02	1.05	1.04	1.03	1.02	1.02
Refinery and Blender Net Production															
Hydrocarbon Gas Liquids	0.47	0.83	0.75	0.36	0.48	0.84	0.76	0.36	0.48	0.86	0.77	0.38	0.60	0.61	0.62
Finished Motor Gasoline	9.28	9.83	9.81	9.64	9.27	9.86	9.82	9.62	9.14	9.48	9.49	9.50	9.64	9.64	9.41
Jet Fuel	1.62	1.72	1.78	1.71	1.67	1.74	1.74	1.66	1.64	1.71	1.72	1.64	1.71	1.70	1.68
Distillate Fuel	4.69	4.91	4.99	5.04	4.55	4.98	4.96	4.94	4.59	4.86	4.88	4.88	4.91	4.86	4.80
Residual Fuel	0.27	0.27	0.27	0.28	0.37	0.37	0.32	0.27	0.30	0.29	0.31	0.27	0.27	0.33	0.29
Other Oils (a)	2.21	2.35	2.40	2.26	2.21	2.46	2.47	2.36	2.27	2.42	2.46	2.37	2.30	2.38	2.38
Total Refinery and Blender Net Production	18.54	19.91	19.99	19.30	18.55	20.24	20.07	19.23	18.43	19.62	19.62	19.04	19.44	19.52	19.18
Refinery Distillation Inputs	15.78	16.75	17.02	16.47	15.67	16.85	16.68	16.11	15.64	16.43	16.40	15.91	16.51	16.33	16.10
Refinery Operable Distillation Capacity	18.12	18.27	18.27	18.32	18.31	18.19	18.20	18.20	17.94	17.94	17.94	17.94	18.25	18.23	17.94
Refinery Distillation Utilization Factor	0.87	0.92	0.93	0.90	0.86	0.93	0.92	0.88	0.87	0.92	0.91	0.89	0.90	0.90	0.90

(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.

- = no data available

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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.

Forecasts: EIA Short-Term Integrated Forecasting System.

Table 4c. U.S. Regional Motor Gasoline Prices and Inventories
 U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Prices (cents per gallon)															
Refiner Wholesale Price	262	265	296	233	245	292	292	264	260	281	285	256	264	274	271
Gasoline Regular Grade Retail Prices Including Taxes															
PADD 1	330	344	361	325	319	361	368	345	340	356	361	338	340	349	349
PADD 2	324	348	360	314	307	359	362	335	330	350	356	327	337	341	341
PADD 3	302	315	334	284	286	335	339	311	305	325	330	302	309	319	316
PADD 4	357	359	393	332	292	352	375	357	342	366	375	348	361	345	358
PADD 5	418	452	480	456	414	462	473	446	432	454	459	428	452	449	444
U.S. Average	338	358	376	336	324	374	380	354	347	367	372	345	352	359	358
Gasoline All Grades Including Taxes	349	369	387	348	336	384	391	366	359	378	383	356	364	370	369
End-of-period Inventories (million barrels)															
Total Gasoline Inventories															
PADD 1	52.7	57.1	58.8	60.1	54.2	54.3	53.5	56.2	56.8	56.8	55.3	56.7	60.1	56.2	56.7
PADD 2	49.5	45.2	46.9	54.6	53.9	46.9	45.6	51.8	52.8	49.2	46.2	50.7	54.6	51.8	50.7
PADD 3	84.1	85.0	84.9	90.2	81.2	82.4	80.6	84.4	81.2	82.7	80.2	84.6	90.2	84.4	84.6
PADD 4	7.8	6.8	7.2	7.9	8.5	7.2	7.4	7.8	8.0	7.3	7.7	8.3	7.9	7.8	8.3
PADD 5	31.2	29.0	29.9	28.5	29.0	29.3	28.8	30.3	30.2	29.0	27.4	28.8	28.5	30.3	28.8
U.S. Total	225.3	223.2	227.6	241.3	226.9	220.0	215.9	230.5	229.1	225.0	216.9	229.1	241.3	230.5	229.1
Finished Gasoline Inventories															
U.S. Total	14.7	17.6	15.3	18.1	13.0	18.4	17.4	19.5	16.0	18.3	17.8	20.1	18.1	19.5	20.1
Gasoline Blending Components Inventories															
U.S. Total	210.6	205.6	212.3	223.2	211.8	201.6	198.5	211.0	213.1	206.7	199.1	208.9	223.2	211.0	208.9

- = no data available

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

Prices are not adjusted for inflation.

PADD = Petroleum Administration for Defense District (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.

Forecasts: EIA Short-Term Integrated Forecasting System.

Table 5a. U.S. Natural Gas Supply, Consumption, and Inventories

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Supply (billion cubic feet per day)															
Total Marketed Production	111.18	112.50	113.64	115.24	112.86	<i>111.89</i>	<i>112.40</i>	<i>113.05</i>	<i>112.91</i>	<i>114.06</i>	<i>114.09</i>	<i>114.83</i>	113.15	<i>112.55</i>	<i>113.98</i>
Alaska	1.08	1.01	0.91	1.04	1.08	<i>0.98</i>	<i>0.89</i>	<i>1.00</i>	<i>1.02</i>	<i>0.95</i>	<i>0.87</i>	<i>0.99</i>	1.01	<i>0.99</i>	<i>0.96</i>
Federal GOM (a)	2.13	1.89	2.02	1.94	1.87	<i>1.94</i>	<i>1.97</i>	<i>2.02</i>	<i>2.10</i>	<i>2.12</i>	<i>2.07</i>	<i>2.11</i>	1.99	<i>1.95</i>	<i>2.10</i>
Lower 48 States (excl GOM)	107.97	109.60	110.70	112.26	109.92	<i>108.97</i>	<i>109.54</i>	<i>110.03</i>	<i>109.79</i>	<i>110.99</i>	<i>111.16</i>	<i>111.73</i>	110.15	<i>109.61</i>	<i>110.92</i>
Total Dry Gas Production	102.26	103.16	104.12	105.61	103.90	<i>102.97</i>	<i>103.42</i>	<i>104.03</i>	<i>103.90</i>	<i>104.95</i>	<i>104.99</i>	<i>105.66</i>	103.80	<i>103.58</i>	<i>104.88</i>
LNG Gross Imports	0.09	0.02	0.02	0.03	0.09	<i>0.04</i>	<i>0.04</i>	<i>0.06</i>	<i>0.10</i>	<i>0.04</i>	<i>0.04</i>	<i>0.06</i>	0.04	<i>0.06</i>	<i>0.06</i>
LNG Gross Exports	11.45	11.76	11.40	12.97	12.62	<i>10.97</i>	<i>11.64</i>	<i>13.37</i>	<i>13.71</i>	<i>13.81</i>	<i>14.39</i>	<i>15.26</i>	11.90	<i>12.15</i>	<i>14.30</i>
Pipeline Gross Imports	8.45	7.32	7.94	8.23	9.07	<i>7.07</i>	<i>7.27</i>	<i>7.49</i>	<i>8.29</i>	<i>6.98</i>	<i>7.24</i>	<i>7.48</i>	7.98	<i>7.72</i>	<i>7.49</i>
Pipeline Gross Exports	8.93	8.75	9.19	8.94	9.08	<i>9.12</i>	<i>9.42</i>	<i>9.34</i>	<i>9.53</i>	<i>9.53</i>	<i>9.87</i>	<i>9.65</i>	8.95	<i>9.24</i>	<i>9.64</i>
Supplemental Gaseous Fuels	0.22	0.17	0.16	0.15	0.18	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	<i>0.17</i>	0.17	<i>0.17</i>	<i>0.17</i>
Net Inventory Withdrawals	11.96	-11.71	-6.38	0.29	12.83	<i>-10.97</i>	<i>-5.93</i>	<i>3.50</i>	<i>14.82</i>	<i>-11.94</i>	<i>-6.01</i>	<i>4.18</i>	-1.51	<i>-0.15</i>	<i>0.22</i>
Total Supply	102.60	78.45	85.27	92.41	104.38	<i>79.19</i>	<i>83.91</i>	<i>92.54</i>	<i>104.04</i>	<i>76.86</i>	<i>82.18</i>	<i>92.66</i>	89.64	<i>89.99</i>	<i>88.88</i>
Balancing Item (b)	0.38	-0.43	-1.40	-0.73	-0.06	<i>-0.71</i>	<i>0.47</i>	<i>0.02</i>	<i>0.51</i>	<i>0.33</i>	<i>0.59</i>	<i>-0.50</i>	-0.55	<i>-0.07</i>	<i>0.23</i>
Total Primary Supply	102.98	78.02	83.87	91.68	104.32	<i>78.47</i>	<i>84.38</i>	<i>92.56</i>	<i>104.55</i>	<i>77.19</i>	<i>82.77</i>	<i>92.15</i>	89.09	<i>89.92</i>	<i>89.12</i>
Consumption (billion cubic feet per day)															
Residential	23.50	7.29	3.57	14.95	23.09	<i>7.29</i>	<i>3.84</i>	<i>16.15</i>	<i>24.18</i>	<i>7.26</i>	<i>3.83</i>	<i>16.09</i>	12.28	<i>12.57</i>	<i>12.79</i>
Commercial	14.51	6.43	4.72	10.70	14.36	<i>6.84</i>	<i>5.19</i>	<i>11.00</i>	<i>14.53</i>	<i>6.78</i>	<i>5.14</i>	<i>10.88</i>	9.07	<i>9.34</i>	<i>9.31</i>
Industrial	24.84	22.40	21.98	24.35	24.97	<i>22.26</i>	<i>21.75</i>	<i>23.89</i>	<i>24.79</i>	<i>21.80</i>	<i>21.59</i>	<i>23.86</i>	23.39	<i>23.22</i>	<i>23.01</i>
Electric Power (c)	30.77	33.41	44.84	32.56	32.41	<i>33.66</i>	<i>44.91</i>	<i>32.49</i>	<i>31.55</i>	<i>32.86</i>	<i>43.49</i>	<i>32.20</i>	35.43	<i>35.88</i>	<i>35.05</i>
Lease and Plant Fuel	5.31	5.37	5.43	5.50	5.39	<i>5.34</i>	<i>5.37</i>	<i>5.40</i>	<i>5.39</i>	<i>5.45</i>	<i>5.45</i>	<i>5.48</i>	5.40	<i>5.37</i>	<i>5.44</i>
Pipeline and Distribution Use	3.87	2.93	3.15	3.44	3.90	<i>2.89</i>	<i>3.12</i>	<i>3.45</i>	<i>3.91</i>	<i>2.85</i>	<i>3.07</i>	<i>3.44</i>	3.34	<i>3.34</i>	<i>3.32</i>
Vehicle Use	0.18	0.18	0.18	0.18	0.20	<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	<i>0.20</i>	0.18	<i>0.20</i>	<i>0.20</i>
Total Consumption	102.98	78.02	83.87	91.68	104.32	<i>78.47</i>	<i>84.38</i>	<i>92.56</i>	<i>104.55</i>	<i>77.19</i>	<i>82.77</i>	<i>92.15</i>	89.09	<i>89.92</i>	<i>89.12</i>
End-of-period Inventories (billion cubic feet)															
Working Gas Inventory	1,850	2,902	3,490	3,457	2,290	<i>3,288</i>	<i>3,834</i>	<i>3,512</i>	<i>2,178</i>	<i>3,265</i>	<i>3,817</i>	<i>3,432</i>	3,457	<i>3,512</i>	<i>3,432</i>
East Region (d)	334	646	853	787	362	<i>652</i>	<i>852</i>	<i>773</i>	<i>398</i>	<i>710</i>	<i>856</i>	<i>762</i>	787	<i>773</i>	<i>762</i>
Midwest Region (d)	417	701	993	950	510	<i>782</i>	<i>1,046</i>	<i>941</i>	<i>474</i>	<i>774</i>	<i>1,063</i>	<i>925</i>	950	<i>941</i>	<i>925</i>
South Central Region (d)	919	1,138	1,092	1,183	1,002	<i>1,303</i>	<i>1,311</i>	<i>1,255</i>	<i>937</i>	<i>1,251</i>	<i>1,287</i>	<i>1,224</i>	1,183	<i>1,255</i>	<i>1,224</i>
Mountain Region (d)	79	171	239	228	162	<i>196</i>	<i>248</i>	<i>212</i>	<i>137</i>	<i>195</i>	<i>244</i>	<i>208</i>	228	<i>212</i>	<i>208</i>
Pacific Region (d)	74	216	278	280	228	<i>328</i>	<i>344</i>	<i>303</i>	<i>208</i>	<i>307</i>	<i>335</i>	<i>286</i>	280	<i>303</i>	<i>286</i>
Alaska	27	30	35	30	25	<i>28</i>	<i>33</i>	<i>29</i>	<i>24</i>	<i>27</i>	<i>32</i>	<i>28</i>	30	<i>29</i>	<i>28</i>

(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/hgs/notes.html>).

- = no data available

LNG: liquefied natural gas.

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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: *Natural Gas Monthly*, DOE/EIA-0130; and *Electric Power Monthly*, Minor discrepancies with published historical data are due to independent rounding.

Forecasts: EIA Short-Term Integrated Forecasting System.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Wholesale/Spot															
Henry Hub Spot Price	2.76	2.25	2.69	2.84	2.21	1.69	2.23	2.81	2.93	2.72	3.07	3.30	2.63	2.24	3.01
Residential Retail															
New England	21.04	20.48	22.57	18.69	18.07	18.13	20.60	15.99	15.76	16.58	19.73	15.73	20.33	17.64	16.17
Middle Atlantic	15.60	16.03	20.74	14.33	12.77	13.39	17.77	12.20	11.32	12.84	18.06	12.65	15.64	13.05	12.43
E. N. Central	11.06	13.26	22.96	10.49	8.70	11.53	18.58	9.03	7.91	10.91	18.67	9.23	11.91	9.88	9.43
W. N. Central	13.24	15.41	22.07	11.28	10.10	12.79	19.56	10.16	9.06	11.77	18.93	10.10	13.41	11.07	10.32
S. Atlantic	17.33	20.92	30.29	16.00	13.93	17.75	24.79	14.33	13.49	18.28	26.09	14.90	18.39	15.41	15.57
E. S. Central	13.63	16.66	23.41	13.48	10.85	14.53	20.59	11.87	10.63	14.63	21.37	12.23	14.56	12.18	12.28
W. S. Central	14.58	19.81	28.70	16.41	10.96	15.45	21.15	12.57	10.00	15.25	22.11	13.21	17.00	12.78	12.61
Mountain	12.61	13.86	18.75	12.88	11.99	13.63	18.01	11.61	10.70	12.61	17.06	11.18	13.29	12.58	11.63
Pacific	20.13	17.11	18.10	17.87	15.34	14.42	15.05	14.56	15.16	14.85	15.84	15.24	18.74	14.90	15.21
U.S. Average	14.72	16.19	22.33	13.72	11.88	13.82	18.69	11.77	10.84	13.40	18.97	12.05	15.19	12.65	12.20
Commercial Retail															
New England	15.19	13.66	12.55	12.15	12.53	11.85	11.31	10.27	10.52	11.00	11.30	10.57	13.73	11.59	10.70
Middle Atlantic	11.94	9.25	8.06	9.48	9.89	7.77	6.79	7.25	8.05	7.49	7.27	7.82	10.23	8.38	7.79
E. N. Central	9.20	8.63	10.71	7.78	7.00	7.31	8.66	6.01	6.13	7.38	9.38	6.68	8.80	6.85	6.71
W. N. Central	11.58	11.33	11.77	8.39	7.95	8.00	8.73	6.55	6.82	7.60	9.11	7.14	10.66	7.58	7.21
S. Atlantic	12.97	11.26	11.39	10.73	10.01	9.71	9.64	8.82	8.75	9.44	9.89	9.25	11.75	9.56	9.17
E. S. Central	11.89	10.94	11.80	10.56	9.46	9.57	10.07	8.79	8.42	9.57	10.69	9.41	11.31	9.34	9.16
W. S. Central	11.01	9.68	10.37	9.74	8.60	8.14	8.20	7.18	6.73	7.73	8.68	7.85	10.31	8.07	7.51
Mountain	10.76	10.77	12.16	10.66	10.12	10.16	10.64	9.11	8.92	9.35	10.13	8.77	10.87	9.88	9.07
Pacific	16.85	12.61	13.49	13.58	12.82	11.20	11.00	10.52	11.35	10.73	11.17	10.89	14.59	11.53	11.06
U.S. Average	11.81	10.48	10.90	9.83	9.32	8.89	9.06	7.82	7.92	8.57	9.38	8.30	10.89	8.77	8.31
Industrial Retail															
New England	13.55	10.07	7.87	9.27	10.85	8.73	6.71	7.51	8.58	7.86	6.78	7.90	10.65	8.71	7.92
Middle Atlantic	11.94	8.97	7.89	9.35	8.79	6.60	6.62	7.62	8.13	7.17	7.49	8.20	10.34	7.83	7.90
E. N. Central	9.18	6.67	6.91	6.22	5.75	5.09	4.92	5.05	5.45	5.58	5.79	5.83	7.62	5.34	5.62
W. N. Central	8.23	4.55	4.33	4.69	5.04	3.40	3.19	4.01	4.94	4.05	4.11	4.76	5.64	3.97	4.51
S. Atlantic	6.92	4.78	5.03	5.37	4.80	3.50	3.75	4.44	5.07	4.48	4.79	5.16	5.58	4.16	4.89
E. S. Central	5.46	3.74	4.10	4.34	4.25	3.05	3.35	4.10	4.61	4.03	4.29	4.71	4.44	3.72	4.43
W. S. Central	3.39	2.21	2.71	2.79	2.53	1.84	2.32	3.03	3.23	2.82	3.14	3.51	2.77	2.43	3.18
Mountain	8.86	7.73	8.05	7.76	7.06	6.01	5.70	5.27	5.32	5.29	5.66	5.51	8.18	6.09	5.43
Pacific	10.84	8.16	8.03	9.02	8.40	6.81	6.53	6.71	7.59	6.64	6.72	6.99	9.22	7.17	7.04
U.S. Average	6.12	3.76	3.87	4.39	4.46	3.05	3.18	4.08	4.66	3.84	3.97	4.59	4.59	3.74	4.29

- = no data available

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

Prices are not adjusted for inflation.

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 is from Refinitiv, an LSEG company, via EIA (https://www.eia.gov/dnav/pet/pet_pri_spt_s1_d.htm).

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

Forecasts: EIA Short-Term Integrated Forecasting System.

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

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Supply (million short tons)															
Production	148.7	142.3	145.6	145.0	127.5	111.6	125.0	121.2	117.9	107.6	121.9	116.8	581.6	485.2	464.2
Appalachia	42.9	42.5	40.0	41.8	38.3	32.8	29.5	29.9	31.5	30.1	28.1	28.7	167.2	130.5	118.5
Interior	25.4	23.5	22.6	24.6	21.2	19.2	22.0	22.4	24.1	22.4	23.8	23.2	96.1	84.8	93.5
Western	80.4	76.4	83.0	78.5	68.0	59.6	73.4	68.8	62.3	55.1	70.0	64.8	318.3	269.9	252.3
Primary Inventory Withdrawals	-1.6	0.3	3.6	0.1	-1.6	0.2	3.7	0.1	-1.7	0.2	3.6	0.0	2.4	2.5	2.1
Imports	1.0	1.0	1.0	1.0	0.5	0.7	1.1	0.8	0.5	0.7	1.1	0.8	4.0	3.1	3.0
Exports	24.6	24.1	24.9	26.2	24.3	20.2	23.7	26.3	24.6	25.3	26.2	28.8	99.8	94.5	104.9
Metallurgical Coal	12.4	12.6	13.6	12.7	11.9	10.7	11.4	11.7	10.9	12.3	11.8	12.4	51.3	45.8	47.5
Steam Coal	12.2	11.5	11.3	13.5	12.4	9.4	12.3	14.5	13.7	13.0	14.3	16.4	48.5	48.7	57.4
Total Primary Supply	123.5	119.5	125.3	119.8	102.1	92.4	106.0	95.8	92.2	83.3	100.4	88.7	488.2	396.3	364.5
Secondary Inventory Withdrawals	-20.1	-19.1	11.1	-15.1	-2.7	-10.0	15.6	-5.1	-1.5	-5.1	21.6	-4.3	-43.1	-2.2	10.7
Waste Coal (a)	2.0	1.9	2.2	2.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	8.1	4.8	4.8
Total Supply	105.5	102.3	138.6	106.8	100.5	83.6	122.9	91.9	91.8	79.3	123.2	85.7	453.1	399.0	380.0
Consumption (million short tons)															
Coke Plants	4.0	3.9	4.0	3.9	3.9	4.0	4.2	4.3	4.2	4.3	4.4	4.5	15.8	16.3	17.4
Electric Power Sector (b)	91.2	82.0	122.7	91.3	88.1	74.6	113.6	81.7	81.7	69.9	113.6	75.3	387.2	358.0	340.5
Retail and Other Industry	6.5	5.6	5.3	6.2	6.0	5.0	5.1	5.9	6.0	5.1	5.1	5.9	23.6	22.0	22.1
Residential and Commercial	0.2	0.1	0.1	0.2	0.3	0.2	0.1	0.2	0.3	0.2	0.1	0.2	0.7	0.8	0.9
Other Industrial	6.3	5.5	5.1	6.0	5.7	4.8	5.0	5.7	5.6	4.9	5.0	5.7	22.9	21.2	21.2
Total Consumption	101.7	91.5	132.0	101.4	98.0	83.6	122.9	91.9	91.8	79.3	123.2	85.7	426.5	396.4	380.0
Discrepancy (c)	3.8	10.9	6.6	5.4	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.6	2.6	0.0
End-of-period Inventories (million short tons)															
Primary Inventories (d)	22.4	22.1	18.5	18.4	20.0	19.8	16.1	16.0	17.6	17.5	13.9	13.9	18.4	16.0	13.9
Secondary Inventories	113.3	132.3	121.2	136.3	139.0	149.0	133.3	138.5	140.0	145.1	123.5	127.7	136.3	138.5	127.7
Electric Power Sector	109.0	127.7	116.6	131.4	134.9	144.6	128.7	133.8	136.0	140.8	118.9	123.1	131.4	133.8	123.1
Retail and General Industry	2.5	2.8	2.7	3.0	2.5	2.6	2.9	2.9	2.4	2.6	2.8	2.9	3.0	2.9	2.9
Coke Plants	1.7	1.7	1.7	1.7	1.5	1.6	1.6	1.6	1.4	1.5	1.6	1.6	1.7	1.6	1.6
Commercial & Institutional	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Coal Market Indicators															
Coal Miner Productivity															
(Tons per hour)	6.03	6.03	6.03	6.03	5.85	5.85	5.85	5.85	5.80	5.80	5.80	5.80	6.03	5.85	5.80
Total Raw Steel Production															
(Million short tons per day)	0.236	0.244	0.245	0.242	0.244	0.255	0.263	0.258	0.259	0.271	0.274	0.269	0.242	0.255	0.269
Cost of Coal to Electric Utilities															
(Dollars per million Btu)	2.57	2.49	2.51	2.51	2.48	2.47	2.45	2.41	2.42	2.42	2.41	2.38	2.52	2.45	2.41

(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.

- = no data available

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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*,

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

Forecasts: EIA Short-Term Integrated Forecasting System.

Table 7a. U.S. Electricity Industry Overview

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Electricity Supply (billion kilowatthours)															
Electricity generation (a)	987	984	1,209	998	1,025	1,026	1,229	1,005	1,019	1,031	1,236	1,008	4,178	4,284	4,294
Electric power sector	949	947	1,168	958	984	986	1,187	963	979	992	1,193	967	4,022	4,119	4,131
Industrial sector	35	33	36	36	37	35	38	37	36	35	37	36	139	146	144
Commercial sector	4	4	5	4	4	4	5	5	4	4	5	5	17	18	18
Net imports	8	6	3	2	5	9	13	10	11	12	15	11	19	37	49
Total utility-scale power supply	995	990	1,212	1,000	1,030	1,034	1,242	1,015	1,030	1,043	1,250	1,019	4,197	4,321	4,343
Losses and Unaccounted for (b)	42	52	51	52	51	69	56	48	44	69	57	48	197	225	218
Small-scale solar generation (c)	14	22	22	16	17	25	25	17	19	29	29	20	74	85	96
Residential sector	10	15	15	11	12	17	17	12	13	20	20	13	50	58	66
Commercial sector	4	6	6	4	4	7	7	4	5	7	7	5	19	22	25
Industrial sector	1	1	1	1	1	1	1	1	1	2	2	1	4	5	5
Electricity Consumption (billion kilowatthours unless noted)															
Sales to Ultimate Customers	919	906	1,124	912	942	929	1,148	930	950	939	1,156	934	3,861	3,949	3,980
Residential Sector	355	319	455	325	367	333	470	336	374	337	474	337	1,455	1,506	1,523
Commercial Sector	322	330	392	331	326	336	395	333	323	335	393	331	1,375	1,389	1,382
Industrial Sector	239	256	275	254	248	259	281	259	251	266	287	264	1,025	1,047	1,069
Transportation Sector	2	2	2	2	2	2	2	2	2	2	2	2	7	7	7
Direct Use (d)	34	33	36	36	36	35	38	37	36	35	38	36	139	147	145
Total Consumption	953	939	1,161	948	979	965	1,186	966	986	974	1,194	971	4,000	4,096	4,125
Average residential electricity usage per customer (kWh)	2,530	2,268	3,243	2,316	2,592	2,348	3,319	2,373	2,619	2,356	3,318	2,360	10,357	10,633	10,653
End-of-period Fuel Inventories Held by Electric Power Sector															
Coal (mmst)	109.0	127.7	116.6	131.4	134.9	144.6	128.7	133.8	136.0	140.8	118.9	123.1	131.4	133.8	123.1
Residual Fuel (mmb)	6.1	6.2	6.4	6.3	5.9	5.1	2.8	3.3	2.1	2.3	0.6	1.4	6.3	3.3	1.4
Distillate Fuel (mmb)	17.0	16.9	16.1	16.1	15.7	15.5	15.5	15.7	15.6	15.4	15.4	15.6	16.1	15.7	15.6
Prices															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	2.57	2.49	2.51	2.51	2.48	2.47	2.45	2.41	2.42	2.42	2.41	2.38	2.52	2.45	2.41
Natural Gas	4.98	2.60	2.92	3.19	3.31	1.94	2.32	3.05	3.32	2.81	3.02	3.45	3.36	2.63	3.14
Residual Fuel Oil	19.23	17.88	19.17	20.84	17.17	16.91	16.80	16.87	17.03	17.28	16.53	16.35	19.32	16.95	16.78
Distillate Fuel Oil	22.84	19.91	22.08	21.03	20.43	20.83	21.63	22.51	22.62	21.76	22.00	21.95	21.47	21.33	22.14
Prices to Ultimate Customers (cents per kilowatthour)															
Residential Sector	15.77	16.12	16.02	16.02	15.75	15.95	15.90	15.80	15.77	16.31	16.37	16.31	15.98	15.86	16.20
Commercial Sector	12.64	12.45	13.18	12.63	12.46	12.19	13.10	12.65	12.58	12.55	13.58	13.03	12.74	12.62	12.96
Industrial Sector	8.06	7.74	8.55	7.83	7.73	7.69	8.34	7.90	7.97	7.74	8.49	8.02	8.05	7.93	8.07
Wholesale Electricity Prices (dollars per megawatthour)															
ERCOT North hub	28.05	57.27	188.81	33.85	32.53	41.26	38.72	35.26	35.01	30.27	41.79	34.22	77.00	36.94	35.32
CAISO SP15 zone	92.54	30.00	67.59	50.54	33.41	41.81	35.10	43.08	48.77	24.34	45.06	49.00	60.17	38.35	41.79
ISO-NE Internal hub	52.63	32.55	40.41	39.84	47.50	40.37	57.39	55.87	70.37	41.89	56.99	48.92	41.36	50.28	54.54
NYISO Hudson Valley zone	44.65	31.38	39.45	36.35	43.48	32.06	36.49	37.28	49.89	33.49	41.59	37.65	37.96	37.33	40.66
PJM Western hub	36.49	35.41	43.27	42.17	35.76	35.89	42.51	39.49	44.62	39.79	47.88	42.43	39.34	38.41	43.68
Midcontinent ISO Illinois hub	31.39	32.13	40.60	33.58	32.52	32.68	39.79	34.62	42.96	39.21	45.03	38.27	34.42	34.90	41.37
SPP ISO South hub	28.96	34.56	46.96	28.50	31.66	37.30	46.81	39.05	42.44	41.91	52.84	42.29	34.74	38.71	44.87
SERC index, Into Southern	30.53	31.66	36.45	30.40	27.96	30.23	34.48	32.33	35.42	32.54	37.58	34.49	32.26	31.25	35.01
FRCC index, Florida Reliability	30.31	33.06	36.79	32.05	30.01	32.18	35.42	34.55	35.22	34.83	38.53	36.09	33.05	33.04	36.17
Northwest index, Mid-Columbia	105.99	58.61	82.36	79.49	99.74	58.52	57.86	66.00	73.33	42.50	62.22	72.29	81.61	70.53	62.58
Southwest index, Palo Verde	84.19	31.60	71.95	50.10	29.62	39.85	48.22	44.36	45.82	34.30	47.45	46.12	59.46	40.51	43.42

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

kWh = kilowatthours. Btu = British thermal units.

Prices are not adjusted for inflation.

(a) Generation supplied by utility-scale power plants with capacity of at least one megawatt.

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

(c) Solar photovoltaic systems smaller than one megawatt such as those installed on rooftops.

(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.

Historical data: Latest data available from EIA databases supporting the following reports: Electric Power Monthly and Electric Power Annual (electricity supply and consumption, fuel inventories and costs, and retail electricity prices); S&P Global Market Intelligence (wholesale electricity prices).

Minor discrepancies with published historical data are due to independent rounding and possible revisions not yet reflected in the STEO.

Forecast data: EIA Short-Term Integrated Forecasting System.

Table 7b. U.S. Regional Electricity Sales to Ultimate Customers (billion kilowatthours)

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Residential Sector															
New England	12.2	9.8	13.7	10.8	12.7	10.3	14.6	11.2	13.2	10.4	14.7	11.2	46.5	48.9	49.4
Middle Atlantic	33.3	27.5	40.1	30.2	34.5	28.8	42.8	30.5	35.2	28.9	43.1	30.6	131.2	136.6	137.8
E. N. Central	46.5	39.8	52.5	41.7	48.1	42.0	56.6	43.6	50.5	42.3	56.8	43.6	180.5	190.3	193.2
W. N. Central	29.4	24.1	30.8	24.2	28.9	24.3	32.5	26.1	31.0	24.7	32.9	26.3	108.6	111.9	114.9
S. Atlantic	87.2	83.8	117.9	84.2	93.5	90.0	124.9	87.1	95.1	91.7	126.0	87.2	373.0	395.6	400.1
E. S. Central	29.3	25.4	37.3	26.0	32.4	26.3	38.6	26.7	32.2	26.5	38.9	26.7	118.0	124.0	124.3
W. S. Central	51.6	52.4	86.9	49.5	53.8	53.5	81.8	50.8	54.5	54.6	83.0	51.4	240.4	239.9	243.5
Mountain	25.3	24.5	36.4	23.4	24.6	25.9	36.8	24.0	24.7	26.3	37.2	24.2	109.5	111.3	112.3
Pacific contiguous	39.5	30.2	38.7	33.8	37.4	30.4	40.5	35.1	36.8	30.4	40.5	35.0	142.2	143.4	142.8
AK and HI	1.2	1.1	1.1	1.3	1.3	1.1	1.1	1.3	1.2	1.1	1.1	1.3	4.7	4.7	4.7
Total	355.4	318.6	455.4	325.2	367.3	332.7	470.2	336.3	374.4	336.9	474.3	337.4	1,454.7	1,506.5	1,522.9
Commercial Sector															
New England	11.9	11.5	13.6	11.7	12.1	11.7	13.7	11.7	12.0	11.5	13.6	11.5	48.7	49.2	48.5
Middle Atlantic	35.0	33.1	39.7	34.4	35.4	33.5	40.4	34.3	35.0	33.3	40.3	34.0	142.2	143.6	142.7
E. N. Central	42.4	41.9	48.0	42.1	43.3	42.5	49.0	42.5	43.3	42.3	48.8	42.2	174.5	177.3	176.6
W. N. Central	25.3	25.1	28.6	25.0	25.5	25.4	29.2	25.7	25.7	25.4	29.2	25.6	104.0	105.8	106.0
S. Atlantic	75.4	81.7	96.5	80.4	77.3	84.5	98.0	81.1	77.2	84.7	98.1	81.0	333.9	340.8	341.0
E. S. Central	20.6	21.8	27.1	21.6	21.5	22.2	27.3	21.6	21.2	22.0	27.0	21.3	91.1	92.6	91.5
W. S. Central	47.5	51.2	63.6	50.7	46.2	51.8	62.2	50.6	45.5	51.2	61.6	50.5	213.1	210.8	208.7
Mountain	23.8	25.0	29.9	24.6	24.2	25.6	30.0	24.7	24.0	25.7	30.0	24.7	103.2	104.5	104.4
Pacific contiguous	38.9	37.0	43.6	39.4	38.7	37.4	43.9	39.4	37.8	37.0	43.4	39.0	158.8	159.4	157.2
AK and HI	1.3	1.3	1.4	1.4	1.3	1.3	1.4	1.4	1.3	1.3	1.3	1.3	5.3	5.4	5.3
Total	322.0	329.7	391.9	331.3	325.6	335.8	395.2	332.9	323.0	334.5	393.3	331.1	1,374.9	1,389.4	1,381.9
Industrial Sector															
New England	3.7	3.7	3.9	3.6	3.6	3.6	3.9	3.6	3.6	3.6	3.9	3.5	14.9	14.7	14.5
Middle Atlantic	17.3	17.7	18.9	17.3	17.4	17.6	19.0	17.3	17.4	17.9	19.3	17.6	71.3	71.3	72.2
E. N. Central	44.8	45.8	48.2	45.4	45.4	45.8	48.7	46.1	45.9	46.7	49.3	46.8	184.3	186.1	188.7
W. N. Central	24.1	25.5	27.2	25.8	24.8	26.0	27.9	26.6	25.5	27.0	28.8	27.5	102.6	105.4	108.9
S. Atlantic	33.5	35.2	36.4	34.0	34.0	35.1	36.5	34.3	34.1	35.9	37.1	34.8	139.1	139.8	142.0
E. S. Central	23.2	23.9	24.7	23.3	23.1	23.8	24.7	23.3	23.1	23.9	24.7	23.4	95.2	94.9	95.1
W. S. Central	53.6	62.4	68.6	62.5	59.9	65.6	72.6	65.1	61.8	69.1	75.8	67.9	247.2	263.2	274.6
Mountain	19.8	21.5	24.1	21.3	20.3	21.8	24.5	21.7	20.6	22.2	24.8	22.0	86.7	88.4	89.6
Pacific contiguous	18.3	19.2	21.9	19.6	18.0	18.9	21.8	19.4	17.9	18.9	21.8	19.5	79.0	78.1	78.2
AK and HI	1.1	1.2	1.3	1.2	1.2	1.2	1.3	1.2	1.2	1.2	1.3	1.3	4.8	4.8	4.9
Total	239.4	256.2	275.3	254.1	247.8	259.4	280.7	258.8	251.1	266.4	286.9	264.3	1,024.9	1,046.7	1,068.6
Total All Sectors (a)															
New England	27.9	25.1	31.4	26.2	28.6	25.7	32.4	26.5	28.8	25.6	32.2	26.3	110.6	113.2	112.9
Middle Atlantic	86.4	79.2	99.7	82.7	88.2	80.8	103.0	82.9	88.5	81.0	103.5	83.1	348.1	354.9	356.0
E. N. Central	133.8	127.6	148.9	129.4	136.9	130.4	154.4	132.4	139.9	131.4	155.1	132.7	539.7	554.1	559.1
W. N. Central	78.7	74.8	86.6	75.1	79.2	75.8	89.7	78.4	82.2	77.2	91.0	79.4	315.2	323.1	329.8
S. Atlantic	196.4	200.9	251.0	199.0	205.1	209.8	259.7	202.7	206.7	212.5	261.6	203.3	847.3	877.2	884.1
E. S. Central	73.1	71.1	89.1	70.9	77.1	72.3	90.6	71.6	76.5	72.4	90.6	71.4	304.3	311.5	310.9
W. S. Central	152.7	166.1	219.2	162.8	160.0	170.9	216.7	166.6	161.8	174.9	220.5	169.8	700.8	714.2	727.0
Mountain	68.9	71.1	90.4	69.3	69.2	73.4	91.3	70.5	69.3	74.2	92.0	70.9	299.6	304.3	306.4
Pacific contiguous	96.8	86.6	104.4	93.0	94.4	86.9	106.3	94.1	92.8	86.6	105.9	93.7	380.9	381.7	379.0
AK and HI	3.7	3.6	3.7	3.9	3.7	3.6	3.8	3.9	3.7	3.6	3.7	3.8	14.9	15.0	14.8
Total	918.5	906.0	1,124.5	912.3	942.4	929.4	1,147.7	929.5	950.2	939.3	1,156.1	934.4	3,861.3	3,949.1	3,980.0

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

Electricity sales to ultimate customers are sold by electric utilities and power marketers for direct consumption by the customer and not available for resale. Includes electric sales to end users by third-party owners of behind-the-meter solar photovoltaic systems.

Regions refer to U.S. Census divisions (https://www.eia.gov/tools/glossary/index.php?id=C# census_division).

(a) Total includes sales of electricity to ultimate customers in transportation sector (not shown), as well as residential, commercial, and industrial sectors.

Historical data: Latest data available from EIA databases supporting the following reports: Electric Power Monthly and Electric Power Annual.

Minor discrepancies with published historical data are due to independent rounding and possible revisions not yet reflected in the STEO.

Forecast data: EIA Short-Term Integrated Forecasting System.

Table 7c. U.S. Regional Electricity Prices to Ultimate Customers (Cents per Kilowatthour)

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Residential Sector															
New England	30.65	29.58	27.17	27.72	28.69	28.00	25.64	26.66	28.53	29.10	27.54	29.11	28.72	27.17	28.48
Middle Atlantic	19.70	19.13	19.86	19.63	19.62	19.31	20.16	20.01	20.13	19.91	20.79	20.55	19.61	19.81	20.38
E. N. Central	16.14	16.58	15.97	16.21	15.96	16.19	15.59	16.00	15.94	16.52	16.07	16.56	16.20	15.91	16.24
W. N. Central	11.85	13.52	14.23	12.65	12.10	13.36	13.88	12.34	11.95	13.53	14.14	12.61	13.07	12.95	13.07
S. Atlantic	14.31	14.74	14.54	14.64	14.13	14.15	13.86	14.02	13.79	14.19	14.17	14.43	14.55	14.03	14.14
E. S. Central	13.17	13.20	12.94	13.27	13.18	13.42	13.14	13.52	13.63	13.92	13.52	13.90	13.13	13.29	13.71
W. S. Central	13.57	13.57	13.51	13.75	13.67	13.74	13.70	13.47	13.48	13.90	13.98	13.72	13.58	13.65	13.79
Mountain	12.96	13.88	14.10	13.74	13.38	13.84	13.79	13.50	13.41	14.08	14.21	13.97	13.71	13.65	13.95
Pacific	19.60	22.32	23.93	21.02	20.57	23.00	24.75	21.48	21.42	24.53	25.82	22.31	21.69	22.49	23.55
U.S. Average	15.77	16.12	16.02	16.02	15.75	15.95	15.90	15.80	15.77	16.31	16.37	16.31	15.98	15.86	16.20
Commercial Sector															
New England	20.56	18.40	18.71	19.33	20.48	17.72	18.10	19.20	20.91	18.59	19.21	20.38	19.23	18.86	19.76
Middle Atlantic	14.86	14.89	16.41	15.19	14.33	14.61	16.31	15.16	14.41	14.88	16.75	15.57	15.38	15.15	15.45
E. N. Central	12.01	12.07	11.90	11.86	11.70	11.74	11.83	11.97	11.88	12.02	12.19	12.39	11.96	11.81	12.12
W. N. Central	9.95	10.67	11.38	9.90	9.86	10.57	11.34	9.91	9.96	10.85	11.73	10.21	10.50	10.45	10.72
S. Atlantic	11.31	10.95	10.90	11.01	10.87	10.41	10.46	10.60	10.62	10.49	10.71	10.87	11.03	10.57	10.67
E. S. Central	12.57	12.10	12.07	12.02	12.30	12.12	12.31	12.31	12.59	12.54	12.78	12.72	12.18	12.26	12.66
W. S. Central	9.35	8.83	9.55	9.14	9.13	8.79	10.03	9.98	10.11	9.97	11.13	10.44	9.23	9.52	10.46
Mountain	10.35	11.09	11.65	10.76	10.51	10.86	11.36	10.56	10.37	10.89	11.49	10.65	11.00	10.85	10.89
Pacific	18.06	18.85	22.70	19.62	18.64	18.91	22.62	19.55	18.57	19.10	23.07	20.05	19.90	20.02	20.30
U.S. Average	12.64	12.45	13.18	12.63	12.46	12.19	13.10	12.65	12.58	12.55	13.58	13.03	12.74	12.62	12.96
Industrial Sector															
New England	16.24	15.24	15.80	15.91	16.45	14.86	15.44	15.84	16.79	15.48	16.26	16.62	15.80	15.64	16.28
Middle Atlantic	8.20	7.72	7.82	7.77	7.74	7.49	7.66	7.65	7.80	7.47	7.67	7.62	7.88	7.63	7.64
E. N. Central	8.31	7.89	8.02	7.88	8.04	7.82	8.00	7.90	8.27	7.98	8.17	8.05	8.02	7.94	8.12
W. N. Central	7.44	7.79	8.43	7.29	7.41	7.91	8.54	7.47	7.68	8.07	8.71	7.60	7.75	7.85	8.03
S. Atlantic	7.72	7.38	8.07	7.54	7.59	7.41	8.11	7.68	7.88	7.52	8.25	7.79	7.68	7.70	7.87
E. S. Central	6.98	6.67	6.91	6.73	6.74	6.60	6.89	6.82	6.98	6.71	7.01	6.93	6.82	6.76	6.91
W. S. Central	6.56	5.94	7.27	6.16	5.91	5.70	6.49	6.24	6.11	5.58	6.55	6.25	6.50	6.10	6.13
Mountain	7.65	7.64	8.45	7.36	7.27	7.77	8.39	7.40	7.52	7.82	8.51	7.53	7.80	7.74	7.87
Pacific	11.80	12.47	14.83	13.18	12.14	13.27	15.27	13.69	12.91	13.67	16.05	14.36	13.15	13.67	14.33
U.S. Average	8.06	7.74	8.55	7.83	7.73	7.69	8.34	7.90	7.97	7.74	8.49	8.02	8.05	7.93	8.07
All Sectors (a)															
New England	24.39	22.26	22.01	22.28	23.59	21.41	21.16	21.86	23.84	22.37	22.62	23.54	22.73	21.99	23.09
Middle Atlantic	15.39	14.75	16.16	15.25	15.09	14.72	16.30	15.36	15.37	15.02	16.72	15.70	15.43	15.42	15.76
E. N. Central	12.20	11.97	12.08	11.86	11.98	11.79	12.00	11.88	12.16	12.03	12.33	12.22	12.03	11.92	12.19
W. N. Central	9.89	10.60	11.47	9.90	9.91	10.55	11.39	9.89	10.00	10.74	11.64	10.10	10.49	10.47	10.65
S. Atlantic	12.03	11.90	12.20	11.95	11.81	11.51	11.76	11.57	11.63	11.58	12.03	11.87	12.03	11.67	11.79
E. S. Central	11.04	10.66	11.00	10.74	11.00	10.78	11.19	10.97	11.34	11.12	11.52	11.26	10.87	11.00	11.32
W. S. Central	9.80	9.24	10.40	9.40	9.45	9.15	10.23	9.58	9.72	9.46	10.63	9.76	9.76	9.65	9.94
Mountain	10.52	11.01	11.79	10.72	10.58	10.99	11.54	10.59	10.61	11.10	11.79	10.81	11.07	10.97	11.13
Pacific	17.49	18.63	21.48	18.76	18.15	19.11	21.91	19.04	18.59	19.80	22.65	19.69	19.15	19.63	20.27
U.S. Average	12.66	12.41	13.20	12.50	12.50	12.28	13.08	12.47	12.62	12.53	13.46	12.80	12.72	12.61	12.88

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

Historical data for average price of electricity to ultimate consumers represents the cost per unit of electricity sold and is calculated by dividing electric revenue from ultimate consumers by the corresponding sales of electricity.

Prices are not adjusted for inflation.

 Regions refer to U.S. Census divisions (https://www.eia.gov/tools/glossary/index.php?id=C#census_division).

(a) Average price to all sectors is weighted by sales of electricity to ultimate customers in the residential, commercial, industrial and transportation (not shown) sectors.

Historical data: Latest data available from EIA databases supporting the following reports: Electric Power Monthly and Electric Power Annual.

Minor discrepancies with published historical data are due to independent rounding and possible revisions not yet reflected in the STEO.

Forecast data: EIA Short-Term Integrated Forecasting System.

Table 7d part 2. U.S. Regional Electricity Generation, Electric Power Sector (billion kilowatthours), continued from Table 7d part 1
 U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Midwest (MISO)															
Natural Gas	45.4	54.7	67.3	47.8	49.9	55.7	75.7	49.6	53.1	59.2	74.4	54.9	215.2	230.9	241.6
Coal	43.0	38.0	57.3	44.9	42.9	38.4	52.3	44.0	42.1	35.1	53.4	38.5	183.2	177.5	169.1
Nuclear	23.4	21.1	24.3	18.4	20.9	21.9	24.2	23.1	22.5	20.9	24.2	22.0	87.2	90.2	89.6
Conventional hydropower	2.2	2.0	1.9	2.0	2.4	2.8	2.3	2.2	2.5	2.9	2.4	2.2	8.0	9.7	10.0
Nonhydro renewables (d)	30.3	26.5	19.4	29.8	31.1	27.3	21.3	31.5	35.9	32.2	24.8	34.5	106.0	111.2	127.4
Other energy sources (e)	0.8	0.7	1.3	0.8	1.3	1.2	1.4	1.4	1.1	1.1	1.3	1.3	3.6	5.3	4.8
Total generation	145.1	142.9	171.5	143.6	148.4	147.3	177.3	151.8	157.1	151.4	180.5	153.3	603.2	624.8	642.3
Net energy for load (f)	158.6	157.9	184.3	155.2	160.6	160.9	191.6	162.0	165.7	163.8	193.5	163.2	656.0	675.1	686.2
Central (Southwest Power Pool)															
Natural Gas	15.8	21.6	30.5	18.3	19.3	23.5	30.5	17.2	17.2	21.5	29.3	16.9	86.1	90.4	84.8
Coal	20.4	17.2	27.4	18.4	17.7	16.3	26.2	16.4	17.4	15.1	25.0	15.0	83.4	76.7	72.5
Nuclear	4.3	4.3	4.3	4.4	4.3	3.1	4.3	3.5	4.2	4.3	4.2	3.1	17.2	15.2	15.9
Conventional hydropower	2.9	2.8	2.7	2.7	3.3	4.1	3.6	3.0	3.5	4.2	3.7	3.1	11.1	14.0	14.5
Nonhydro renewables (d)	31.4	25.6	22.5	29.4	31.2	29.8	25.3	31.7	30.7	28.9	25.7	32.5	108.9	117.9	117.8
Other energy sources (e)	0.2	0.1	0.2	0.2	0.3	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.7	0.7	0.6
Total generation	75.0	71.6	87.6	73.3	76.1	76.9	90.1	71.9	73.2	74.2	88.1	70.7	307.5	315.0	306.1
Net energy for load (f)	66.6	66.6	81.8	65.7	68.9	69.6	83.2	65.4	66.4	67.6	82.0	64.7	280.7	287.1	280.7
Texas (ERCOT)															
Natural Gas	36.5	49.6	70.1	42.7	42.3	46.3	61.8	42.2	39.5	42.0	58.2	41.2	198.9	192.6	180.9
Coal	11.4	15.2	19.7	15.0	12.3	9.9	15.2	11.1	8.3	10.2	14.6	9.9	61.3	48.6	42.9
Nuclear	10.5	9.0	10.9	10.3	10.1	10.1	10.6	9.3	10.8	10.0	10.7	10.2	40.7	40.1	41.7
Conventional hydropower	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.6	0.7	0.6
Nonhydro renewables (d)	36.6	33.8	33.6	31.7	36.3	43.9	44.7	39.3	39.6	50.9	51.8	43.1	135.6	164.2	185.4
Other energy sources (e)	0.2	0.4	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	-0.1	-0.1	1.2	1.0	0.1
Total generation	95.4	108.1	134.7	100.1	101.5	110.8	132.7	102.1	98.4	113.4	135.4	104.3	438.3	447.1	451.5
Net energy for load (f)	94.2	109.8	140.6	100.0	101.3	110.8	132.7	102.1	98.4	113.4	135.4	104.3	444.5	446.9	451.5
Northwest															
Natural Gas	24.3	17.9	27.8	23.9	22.6	15.8	21.3	23.0	23.2	13.8	20.1	23.3	93.9	82.7	80.5
Coal	20.2	14.4	23.6	20.2	15.8	15.0	26.1	18.3	13.8	10.8	26.1	16.6	78.4	75.3	67.4
Nuclear	2.4	1.0	2.5	2.5	2.5	2.4	2.4	2.4	2.4	1.2	2.4	2.4	8.4	9.8	8.5
Conventional hydropower	25.8	29.9	23.5	23.8	25.8	31.0	25.2	24.4	30.1	36.9	29.1	26.9	103.0	106.4	122.9
Nonhydro renewables (d)	18.9	19.2	17.8	17.5	22.4	21.5	22.5	19.9	23.1	24.5	23.0	20.0	73.3	86.3	90.7
Other energy sources (e)	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.8	0.6	0.4
Total generation	91.8	82.6	95.4	88.0	89.3	85.9	97.8	88.2	92.8	87.2	100.9	89.3	357.8	361.2	370.3
Net energy for load (f)	88.7	76.7	86.5	82.7	88.6	76.8	86.0	81.7	83.3	75.8	85.7	81.6	334.6	333.2	326.4
Southwest															
Natural Gas	12.5	16.5	23.0	16.7	13.3	15.3	23.6	15.5	9.8	13.4	22.0	14.4	68.8	67.8	59.6
Coal	5.5	3.1	6.5	4.3	5.6	5.1	6.1	5.2	5.9	5.0	6.3	5.7	19.4	22.1	22.9
Nuclear	8.6	6.8	8.6	7.6	8.7	7.4	8.6	7.5	8.4	7.4	8.6	7.5	31.5	32.3	31.9
Conventional hydropower	1.4	2.5	2.0	1.4	1.6	2.4	2.0	1.6	1.9	2.2	1.9	1.6	7.3	7.6	7.5
Nonhydro renewables (d)	6.4	6.5	6.1	5.6	7.0	7.6	8.3	7.5	8.4	9.9	9.0	8.2	24.6	30.4	35.6
Other energy sources (e)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.1	-0.1	-0.2
Total generation	34.5	35.4	46.2	35.6	36.3	37.9	48.7	37.2	34.4	37.9	47.9	37.2	151.8	160.1	157.4
Net energy for load (f)	28.3	32.9	45.8	29.9	28.8	34.3	44.8	29.4	28.0	34.3	44.9	29.3	136.9	137.3	136.5
California															
Natural Gas	20.2	11.5	27.2	25.6	22.3	11.4	28.2	22.5	16.3	12.7	24.8	22.3	84.6	84.3	76.2
Coal	1.1	0.6	1.7	1.1	0.5	0.9	1.8	1.2	1.0	1.1	0.9	0.0	4.4	4.4	2.9
Nuclear	4.7	4.9	4.9	3.2	5.0	3.6	4.7	4.7	4.6	3.7	4.7	3.6	17.7	18.0	16.7
Conventional hydropower	6.5	10.5	9.4	4.9	6.7	10.1	9.2	5.2	5.5	9.2	8.2	4.4	31.3	31.1	27.4
Nonhydro renewables (d)	14.7	20.3	20.5	14.9	14.4	25.2	21.0	15.0	16.7	22.5	24.4	17.0	70.5	75.5	80.6
Other energy sources (e)	-0.6	-0.2	0.0	-0.2	-0.3	-0.6	0.1	-0.2	-0.7	-0.4	-0.3	-0.5	-1.0	-1.0	-1.9
Total generation	46.7	47.7	63.7	49.5	48.5	50.6	65.0	48.3	43.4	48.8	62.7	46.9	207.6	212.5	201.8
Net energy for load (f)	60.5	59.9	76.7	62.9	59.6	63.2	80.6	62.6	59.3	63.8	80.9	62.6	260.0	266.1	266.7

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

The electric power sector includes utility-scale generating power plants (total capacity is larger than 1 megawatt) operated by electric utilities and independent power producers whose primary business is to sell electricity over the transmission grid for consumption by the public.

(a) Generation from utility-scale (larger than 1 megawatt) solar photovoltaic and solar thermal power plants. Excludes generation from small-scale solar photovoltaic systems (see Table 7a).

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

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

(d) Wind, large-scale solar, biomass, and geothermal

(e) Pumped storage hydroelectric, petroleum, other gases, batteries, and other nonrenewable fuels. See notes (b) and (c).

(f) Includes regional generation from generating units operated by electric power sector, plus energy receipts from neighboring U.S. balancing authorities outside region minus energy deliveries to neighboring balancing authorities.

Historical data: Latest data available from EIA databases supporting the following reports: Electric Power Monthly and Electric Power Annual.

Minor discrepancies with published historical data are due to independent rounding and possible revisions not yet reflected in the STEO.

Table 7e. U.S. Electric Generating Capacity (gigawatts at end of period)
 U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Electric power sector (power plants larger than one megawatt)															
Fossil fuel energy sources															
Natural gas	488.0	489.5	489.9	490.7	490.1	<i>488.4</i>	<i>489.5</i>	<i>490.2</i>	<i>490.1</i>	<i>492.6</i>	<i>493.5</i>	<i>493.5</i>	490.7	<i>490.2</i>	<i>493.5</i>
Coal	184.4	180.8	178.7	177.5	176.1	<i>175.4</i>	<i>175.4</i>	<i>175.0</i>	<i>175.0</i>	<i>171.3</i>	<i>169.5</i>	<i>162.9</i>	177.5	<i>175.0</i>	<i>162.9</i>
Petroleum	27.8	27.6	27.6	27.6	27.6	<i>27.3</i>	<i>27.3</i>	<i>27.2</i>	<i>27.2</i>	<i>27.0</i>	<i>27.0</i>	<i>26.8</i>	27.6	<i>27.2</i>	<i>26.8</i>
Other gases	0.4	0.4	0.4	0.4	0.3	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	0.4	<i>0.3</i>	<i>0.3</i>
Renewable energy sources															
Wind	143.0	144.4	144.6	147.6	150.5	<i>151.9</i>	<i>152.0</i>	<i>154.5</i>	<i>155.2</i>	<i>155.8</i>	<i>156.3</i>	<i>160.1</i>	147.6	<i>154.5</i>	<i>160.1</i>
Solar photovoltaic	73.2	76.7	80.4	90.0	100.3	<i>111.4</i>	<i>116.3</i>	<i>126.5</i>	<i>132.7</i>	<i>139.9</i>	<i>144.0</i>	<i>158.1</i>	90.0	<i>126.5</i>	<i>158.1</i>
Solar thermal	1.5	1.5	1.5	1.5	1.5	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	1.5	<i>1.5</i>	<i>1.5</i>
Geothermal	2.7	2.7	2.7	2.7	2.7	<i>2.7</i>	<i>2.7</i>	<i>2.7</i>	<i>2.7</i>	<i>2.7</i>	<i>2.7</i>	<i>2.7</i>	2.7	<i>2.7</i>	<i>2.7</i>
Waste biomass	2.9	2.9	2.9	2.9	2.9	<i>2.9</i>	<i>2.9</i>	<i>2.9</i>	<i>2.9</i>	<i>2.9</i>	<i>2.9</i>	<i>2.9</i>	2.9	<i>2.9</i>	<i>2.9</i>
Wood biomass	2.4	2.4	2.3	2.3	2.3	<i>2.3</i>	<i>2.3</i>	<i>2.3</i>	<i>2.3</i>	<i>2.3</i>	<i>2.3</i>	<i>2.3</i>	2.3	<i>2.3</i>	<i>2.3</i>
Conventional hydroelectric	79.7	79.7	79.7	79.7	79.5	<i>79.5</i>	<i>79.6</i>	<i>79.6</i>	<i>79.6</i>	<i>79.6</i>	<i>79.6</i>	<i>79.7</i>	79.7	<i>79.6</i>	<i>79.7</i>
Pumped storage hydroelectric	23.1	23.1	23.1	23.1	23.1	<i>23.2</i>	<i>23.2</i>	<i>23.2</i>	<i>23.2</i>	<i>23.2</i>	<i>23.2</i>	<i>23.2</i>	23.1	<i>23.2</i>	<i>23.2</i>
Nuclear	94.7	94.7	95.8	95.8	95.8	<i>96.9</i>	<i>96.9</i>	<i>96.9</i>	<i>96.9</i>	<i>96.9</i>	<i>96.9</i>	<i>96.9</i>	95.8	<i>96.9</i>	<i>96.9</i>
Battery storage	9.5	10.9	13.5	15.7	19.5	<i>24.4</i>	<i>26.3</i>	<i>30.9</i>	<i>32.6</i>	<i>35.8</i>	<i>37.3</i>	<i>41.3</i>	15.7	<i>30.9</i>	<i>41.3</i>
Other nonrenewable sources (a)	0.2	0.2	0.2	0.2	0.2	<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	<i>0.2</i>	0.2	<i>0.2</i>	<i>0.2</i>
Industrial and commercial sectors (combined heat and power plants larger than one megawatt)															
Fossil fuel energy sources															
Natural gas	18.8	18.8	18.8	18.7	18.7	<i>18.7</i>	<i>18.5</i>	<i>18.5</i>	<i>18.5</i>	<i>18.5</i>	<i>18.5</i>	<i>18.5</i>	18.7	<i>18.5</i>	<i>18.5</i>
Coal	1.4	1.4	1.4	1.4	1.4	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	1.4	<i>1.4</i>	<i>1.4</i>
Petroleum	1.5	1.5	1.5	1.5	1.5	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	<i>1.5</i>	1.5	<i>1.5</i>	<i>1.5</i>
Other gases	1.4	1.4	1.4	1.4	1.4	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	1.4	<i>1.4</i>	<i>1.4</i>
Renewable energy sources															
Wood biomass	5.4	5.3	5.3	5.3	5.3	<i>5.3</i>	<i>5.3</i>	<i>5.3</i>	<i>5.3</i>	<i>5.3</i>	<i>5.3</i>	<i>5.3</i>	5.3	<i>5.3</i>	<i>5.3</i>
Waste biomass	1.4	1.4	1.4	1.4	1.4	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	<i>1.4</i>	1.4	<i>1.4</i>	<i>1.4</i>
Solar	0.6	0.6	0.6	0.8	0.8	<i>0.8</i>	<i>0.8</i>	<i>0.8</i>	<i>0.8</i>	<i>0.8</i>	<i>0.8</i>	<i>0.8</i>	0.8	<i>0.8</i>	<i>0.8</i>
Wind	0.1	0.1	0.1	0.1	0.1	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	0.1	<i>0.1</i>	<i>0.1</i>
Geothermal	0.1	0.1	0.1	0.1	0.1	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	0.1	<i>0.1</i>	<i>0.1</i>
Conventional hydroelectric	0.3	0.3	0.3	0.3	0.3	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	<i>0.3</i>	0.3	<i>0.3</i>	<i>0.3</i>
Battery storage	0.1	0.1	0.1	0.1	0.1	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	0.1	<i>0.1</i>	<i>0.1</i>
Other nonrenewable sources (a)	1.2	1.3	1.3	1.3	1.3	<i>1.3</i>	<i>1.3</i>	<i>1.3</i>	<i>1.3</i>	<i>1.3</i>	<i>1.3</i>	<i>1.3</i>	1.3	<i>1.3</i>	<i>1.3</i>
Small-scale solar photovoltaic capacity (systems smaller than one megawatt)															
Residential sector	27.8	29.6	31.4	32.9	33.9	<i>35.1</i>	<i>36.4</i>	<i>37.7</i>	<i>39.0</i>	<i>40.3</i>	<i>41.7</i>	<i>43.1</i>	32.9	<i>37.7</i>	<i>43.1</i>
Commercial sector	11.5	11.8	12.0	12.3	12.7	<i>13.1</i>	<i>13.6</i>	<i>14.0</i>	<i>14.5</i>	<i>15.0</i>	<i>15.5</i>	<i>16.0</i>	12.3	<i>14.0</i>	<i>16.0</i>
Industrial sector	2.4	2.5	2.5	2.6	2.6	<i>2.7</i>	<i>2.7</i>	<i>2.8</i>	<i>2.8</i>	<i>2.9</i>	<i>3.0</i>	<i>3.0</i>	2.6	<i>2.8</i>	<i>3.0</i>
All sectors total	41.7	43.8	45.9	47.7	49.2	<i>51.0</i>	<i>52.7</i>	<i>54.5</i>	<i>56.4</i>	<i>58.2</i>	<i>60.1</i>	<i>62.1</i>	47.7	<i>54.5</i>	<i>62.1</i>

Notes:

EIA completed modeling and analysis for this report on April 4, 2024.
 The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.
 Capacity values represent the amount of generating capacity that is operating (or expected to be operating) at the end of each period.
 Changes in capacity reflect various factors including new generators coming online, retiring generators, capacity uprates and derates, delayed planned capacity projects, cancelled projects, and other factors.

(a) Other sources include hydrogen, pitch, chemicals, sulfur, purchased steam, nonrenewable waste, and miscellaneous technologies.

Data sources:

- Utility-scale capacity (power plants larger than one megawatt): EIA-860M Preliminary Monthly Electric Generator Inventory, January 2024.
 - Small-scale solar capacity (systems smaller than one megawatt): Form EIA-861M Monthly Electric Power Industry Report.
 Historical capacity data may differ from other EIA publications due to frequent updates to the Preliminary Monthly Electric Generator Inventory.

Table 9a. U.S. Macroeconomic Indicators and CO2 Emissions
U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Macroeconomic															
Real Gross Domestic Product (billion chained 2017 dollars - SAAR)	22,112	22,225	22,491	22,669	22,780	<i>22,886</i>	<i>22,996</i>	<i>23,089</i>	<i>23,161</i>	<i>23,240</i>	<i>23,329</i>	<i>23,429</i>	22,374	<i>22,938</i>	<i>23,290</i>
Real Personal Consumption Expend. (billion chained 2017 dollars - SAAR)	15,313	15,344	15,461	15,575	15,664	<i>15,762</i>	<i>15,852</i>	<i>15,947</i>	<i>16,020</i>	<i>16,095</i>	<i>16,176</i>	<i>16,258</i>	15,423	<i>15,806</i>	<i>16,137</i>
Real Private Fixed Investment (billion chained 2017 dollars - SAAR)	3,906	3,956	3,981	4,006	4,023	<i>4,042</i>	<i>4,060</i>	<i>4,076</i>	<i>4,096</i>	<i>4,114</i>	<i>4,131</i>	<i>4,150</i>	3,962	<i>4,051</i>	<i>4,123</i>
Business Inventory Change (billion chained 2017 dollars - SAAR)	24	19	102	85	94	<i>92</i>	<i>110</i>	<i>111</i>	<i>107</i>	<i>98</i>	<i>96</i>	<i>93</i>	57	<i>102</i>	<i>98</i>
Real Government Expenditures (billion chained 2017 dollars - SAAR)	3,759	3,790	3,843	3,883	3,896	<i>3,905</i>	<i>3,909</i>	<i>3,913</i>	<i>3,916</i>	<i>3,921</i>	<i>3,925</i>	<i>3,928</i>	3,819	<i>3,906</i>	<i>3,923</i>
Real Exports of Goods & Services (billion chained 2017 dollars - SAAR)	2,525	2,465	2,497	2,536	2,567	<i>2,591</i>	<i>2,622</i>	<i>2,649</i>	<i>2,671</i>	<i>2,692</i>	<i>2,718</i>	<i>2,748</i>	2,506	<i>2,607</i>	<i>2,707</i>
Real Imports of Goods & Services (billion chained 2017 dollars - SAAR)	3,460	3,393	3,428	3,451	3,502	<i>3,550</i>	<i>3,605</i>	<i>3,663</i>	<i>3,713</i>	<i>3,751</i>	<i>3,790</i>	<i>3,825</i>	3,433	<i>3,580</i>	<i>3,770</i>
Real Disposable Personal Income (billion chained 2017 dollars - SAAR)	16,663	16,797	16,820	16,911	17,016	<i>17,174</i>	<i>17,312</i>	<i>17,443</i>	<i>17,587</i>	<i>17,719</i>	<i>17,840</i>	<i>17,955</i>	16,798	<i>17,236</i>	<i>17,775</i>
Non-Farm Employment (millions)	155.0	155.8	156.4	157.1	157.8	<i>158.2</i>	<i>158.5</i>	<i>158.6</i>	<i>158.6</i>	<i>158.7</i>	<i>158.7</i>	<i>158.7</i>	156.1	<i>158.3</i>	<i>158.7</i>
Civilian Unemployment Rate (percent)	3.5	3.6	3.7	3.7	3.8	<i>3.8</i>	<i>3.8</i>	<i>3.8</i>	<i>3.9</i>	<i>4.0</i>	<i>4.1</i>	<i>4.2</i>	3.6	<i>3.8</i>	<i>4.0</i>
Housing Starts (millions - SAAR)	1.39	1.45	1.37	1.48	1.43	<i>1.44</i>	<i>1.39</i>	<i>1.36</i>	<i>1.34</i>	<i>1.32</i>	<i>1.31</i>	<i>1.30</i>	1.42	<i>1.41</i>	<i>1.32</i>
Industrial Production Indices (Index, 2017=100)															
Total Industrial Production	102.6	102.8	103.2	102.7	102.4	<i>102.8</i>	<i>102.9</i>	<i>103.0</i>	<i>103.1</i>	<i>103.2</i>	<i>103.5</i>	<i>103.8</i>	102.8	<i>102.8</i>	<i>103.4</i>
Manufacturing	99.9	100.2	100.0	99.8	99.5	<i>99.9</i>	<i>100.4</i>	<i>100.8</i>	<i>100.9</i>	<i>101.0</i>	<i>101.3</i>	<i>101.7</i>	100.0	<i>100.2</i>	<i>101.2</i>
Food	105.1	103.6	101.6	102.4	101.9	<i>102.8</i>	<i>103.4</i>	<i>103.8</i>	<i>104.3</i>	<i>104.7</i>	<i>105.2</i>	<i>105.7</i>	103.2	<i>103.0</i>	<i>104.9</i>
Paper	87.8	86.6	86.7	88.0	86.6	<i>86.4</i>	<i>86.9</i>	<i>87.3</i>	<i>87.5</i>	<i>87.7</i>	<i>87.8</i>	<i>88.1</i>	87.3	<i>86.8</i>	<i>87.8</i>
Petroleum and Coal Products	88.5	89.9	91.3	92.9	90.8	<i>93.5</i>	<i>93.9</i>	<i>93.7</i>	<i>93.4</i>	<i>93.1</i>	<i>92.8</i>	<i>92.7</i>	90.7	<i>93.0</i>	<i>93.0</i>
Chemicals	103.2	103.8	103.5	103.0	102.9	<i>103.4</i>	<i>104.5</i>	<i>105.2</i>	<i>105.9</i>	<i>106.6</i>	<i>107.2</i>	<i>108.0</i>	103.4	<i>104.0</i>	<i>106.9</i>
Nonmetallic Mineral Products	111.4	108.6	107.4	107.4	104.6	<i>106.9</i>	<i>107.7</i>	<i>108.4</i>	<i>109.2</i>	<i>110.1</i>	<i>110.8</i>	<i>111.6</i>	108.7	<i>106.9</i>	<i>110.4</i>
Primary Metals	92.7	95.7	94.8	93.8	92.9	<i>94.7</i>	<i>97.0</i>	<i>98.1</i>	<i>98.4</i>	<i>99.1</i>	<i>99.8</i>	<i>101.2</i>	94.3	<i>95.7</i>	<i>99.6</i>
Coal-weighted Manufacturing (a)	95.7	96.2	96.0	96.0	94.6	<i>96.3</i>	<i>97.6</i>	<i>98.1</i>	<i>98.4</i>	<i>98.9</i>	<i>99.2</i>	<i>99.9</i>	96.0	<i>96.6</i>	<i>99.1</i>
Distillate-weighted Manufacturing (a)	99.3	99.1	98.7	98.9	97.8	<i>99.3</i>	<i>100.1</i>	<i>100.6</i>	<i>101.0</i>	<i>101.4</i>	<i>101.8</i>	<i>102.4</i>	99.0	<i>99.4</i>	<i>101.7</i>
Electricity-weighted Manufacturing (a)	96.4	96.8	96.9	96.8	96.2	<i>97.5</i>	<i>98.6</i>	<i>99.2</i>	<i>99.5</i>	<i>100.0</i>	<i>100.4</i>	<i>101.1</i>	96.7	<i>97.9</i>	<i>100.3</i>
Natural Gas-weighted Manufacturing (a)	94.0	94.1	94.5	94.6	93.8	<i>95.1</i>	<i>96.2</i>	<i>96.6</i>	<i>96.8</i>	<i>97.1</i>	<i>97.3</i>	<i>97.9</i>	94.3	<i>95.4</i>	<i>97.3</i>
Price Indexes															
Consumer Price Index (all urban consumers) (index, 1982=1984=1.00)	3.01	3.03	3.06	3.08	3.11	<i>3.12</i>	<i>3.14</i>	<i>3.16</i>	<i>3.17</i>	<i>3.19</i>	<i>3.20</i>	<i>3.22</i>	3.05	<i>3.13</i>	<i>3.19</i>
Producer Price Index: All Commodities (index, 1982=1.00)	2.59	2.54	2.57	2.55	2.51	<i>2.48</i>	<i>2.48</i>	<i>2.50</i>	<i>2.51</i>	<i>2.50</i>	<i>2.50</i>	<i>2.51</i>	2.56	<i>2.49</i>	<i>2.50</i>
Producer Price Index: Petroleum (index, 1982=1.00)	3.09	2.91	3.17	2.82	2.59	<i>2.81</i>	<i>2.88</i>	<i>2.77</i>	<i>2.74</i>	<i>2.79</i>	<i>2.83</i>	<i>2.70</i>	3.00	<i>2.76</i>	<i>2.76</i>
GDP Implicit Price Deflator (index, 2017=100)	121.3	121.8	122.8	123.3	124.1	<i>124.7</i>	<i>125.3</i>	<i>126.1</i>	<i>127.0</i>	<i>127.7</i>	<i>128.4</i>	<i>129.2</i>	122.3	<i>125.1</i>	<i>128.1</i>
Miscellaneous															
Vehicle Miles Traveled (b) (million miles/day)	8,427	9,159	9,335	8,837	8,481	<i>9,367</i>	<i>9,523</i>	<i>8,887</i>	<i>8,598</i>	<i>9,442</i>	<i>9,578</i>	<i>8,933</i>	8,942	<i>9,065</i>	<i>9,140</i>
Raw Steel Production (million short tons per day)	0.236	0.244	0.245	0.242	0.244	<i>0.255</i>	<i>0.263</i>	<i>0.258</i>	<i>0.259</i>	<i>0.271</i>	<i>0.274</i>	<i>0.269</i>	0.242	<i>0.255</i>	<i>0.269</i>
Carbon Dioxide (CO2) Emissions (million metric tons)															
Petroleum	550	565	572	573	560	<i>572</i>	<i>574</i>	<i>571</i>	<i>556</i>	<i>568</i>	<i>571</i>	<i>569</i>	2,259	<i>2,277</i>	<i>2,263</i>
Natural Gas	501	383	416	456	511	<i>385</i>	<i>419</i>	<i>460</i>	<i>509</i>	<i>379</i>	<i>411</i>	<i>458</i>	1,756	<i>1,775</i>	<i>1,757</i>
Coal	187	168	241	186	165	<i>156</i>	<i>225</i>	<i>172</i>	<i>171</i>	<i>149</i>	<i>226</i>	<i>161</i>	781	<i>718</i>	<i>707</i>
Total Energy (c)	1,240	1,118	1,232	1,217	1,239	<i>1,116</i>	<i>1,221</i>	<i>1,205</i>	<i>1,239</i>	<i>1,098</i>	<i>1,211</i>	<i>1,190</i>	4,807	<i>4,781</i>	<i>4,738</i>

(a) Fuel share weights of individual sector indices based on EIA *Manufacturing Energy Consumption Survey*.

(b) Total highway travel includes gasoline and diesel fuel vehicles.

(c) Includes electric power sector use of geothermal energy and non-biomass waste.

- = no data available

SAAR = Seasonally-adjusted annual rate

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical release G17; Federal Highway Administration; and Federal Aviation Administration.

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

Forecasts: EIA Short-Term Integrated Forecasting System. U.S. macroeconomic forecasts are based on the S&P Global model of the U.S. Economy.

Table 9b. U.S. Regional Macroeconomic Data

U.S. Energy Information Administration | Short-Term Energy Outlook - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Real Gross State Product (Billion \$2017)															
New England	1,148	1,153	1,166	1,173	1,178	1,182	1,186	1,190	1,193	1,197	1,200	1,204	1,160	1,184	1,198
Middle Atlantic	3,192	3,202	3,235	3,258	3,274	3,286	3,299	3,311	3,319	3,328	3,338	3,350	3,222	3,293	3,334
E. N. Central	2,832	2,841	2,870	2,888	2,902	2,916	2,929	2,938	2,940	2,947	2,955	2,965	2,858	2,921	2,952
W. N. Central	1,353	1,360	1,377	1,391	1,398	1,404	1,410	1,415	1,419	1,423	1,428	1,433	1,370	1,407	1,426
S. Atlantic	4,092	4,107	4,154	4,190	4,211	4,233	4,255	4,274	4,290	4,306	4,324	4,345	4,135	4,243	4,316
E. S. Central	998	1,000	1,011	1,015	1,019	1,023	1,027	1,031	1,033	1,035	1,038	1,042	1,006	1,025	1,037
W. S. Central	2,563	2,590	2,634	2,665	2,681	2,695	2,712	2,727	2,741	2,754	2,768	2,783	2,613	2,704	2,761
Mountain	1,527	1,535	1,556	1,570	1,577	1,584	1,592	1,599	1,605	1,612	1,619	1,627	1,547	1,588	1,616
Pacific	4,249	4,277	4,327	4,358	4,378	4,398	4,420	4,439	4,456	4,472	4,491	4,511	4,303	4,409	4,482
Industrial Output, Manufacturing (Index, Year 2017=100)															
New England	96.1	96.2	95.8	95.6	95.3	95.7	96.2	96.5	96.7	96.8	97.0	97.4	95.9	95.9	97.0
Middle Atlantic	95.1	95.2	95.0	94.5	94.1	94.4	94.8	95.1	95.3	95.4	95.5	95.9	94.9	94.6	95.5
E. N. Central	96.2	96.4	96.1	95.7	95.5	96.1	96.8	97.1	97.0	97.1	97.3	97.6	96.1	96.4	97.3
W. N. Central	101.4	101.8	101.1	100.9	100.7	101.1	101.6	101.9	102.0	102.1	102.3	102.7	101.3	101.3	102.3
S. Atlantic	102.1	102.4	102.3	101.9	101.6	102.1	102.6	103.1	103.3	103.5	103.8	104.3	102.2	102.4	103.8
E. S. Central	100.3	101.0	101.0	100.2	99.7	100.1	100.7	101.1	101.0	100.9	101.0	101.3	100.6	100.4	101.1
W. S. Central	104.1	104.7	105.8	106.0	105.8	106.4	107.1	107.7	108.0	108.2	108.5	109.0	105.1	106.7	108.4
Mountain	111.6	111.8	111.6	111.9	111.3	111.7	112.2	112.6	112.7	112.9	113.2	113.7	111.7	111.9	113.1
Pacific	97.3	97.2	96.7	96.6	96.1	96.3	96.7	97.0	97.1	97.1	97.3	97.7	96.9	96.5	97.3
Real Personal Income (Billion \$2017)															
New England	953	955	961	967	977	984	992	1,000	1,008	1,015	1,022	1,028	959	988	1,018
Middle Atlantic	2,517	2,530	2,538	2,547	2,574	2,588	2,605	2,623	2,642	2,660	2,675	2,689	2,533	2,597	2,667
E. N. Central	2,615	2,624	2,629	2,637	2,663	2,678	2,697	2,714	2,733	2,750	2,765	2,780	2,626	2,688	2,757
W. N. Central	1,294	1,295	1,296	1,297	1,306	1,311	1,319	1,328	1,339	1,348	1,356	1,365	1,296	1,316	1,352
S. Atlantic	3,712	3,728	3,741	3,767	3,811	3,839	3,871	3,903	3,939	3,971	4,000	4,028	3,737	3,856	3,984
E. S. Central	1,010	1,011	1,015	1,019	1,029	1,035	1,042	1,048	1,055	1,061	1,067	1,073	1,014	1,038	1,064
W. S. Central	2,318	2,312	2,324	2,341	2,368	2,385	2,406	2,427	2,449	2,469	2,488	2,506	2,324	2,397	2,478
Mountain	1,426	1,438	1,445	1,453	1,466	1,475	1,485	1,496	1,507	1,519	1,528	1,538	1,441	1,480	1,523
Pacific	3,089	3,112	3,116	3,131	3,166	3,187	3,211	3,235	3,262	3,285	3,308	3,329	3,112	3,200	3,296
Households (Thousands)															
New England	6,088	6,103	6,118	6,126	6,131	6,143	6,157	6,168	6,179	6,189	6,199	6,209	6,126	6,168	6,209
Middle Atlantic	16,074	16,101	16,127	16,143	16,148	16,167	16,191	16,212	16,233	16,252	16,270	16,288	16,143	16,212	16,288
E. N. Central	19,005	19,040	19,080	19,109	19,125	19,154	19,188	19,218	19,247	19,276	19,303	19,328	19,109	19,218	19,328
W. N. Central	8,702	8,729	8,755	8,775	8,790	8,808	8,829	8,850	8,870	8,889	8,907	8,925	8,775	8,850	8,925
S. Atlantic	27,263	27,363	27,465	27,550	27,623	27,714	27,811	27,897	27,976	28,052	28,123	28,197	27,550	27,897	28,197
E. S. Central	7,902	7,933	7,963	7,988	8,008	8,031	8,055	8,077	8,098	8,117	8,136	8,156	7,988	8,077	8,156
W. S. Central	15,960	16,022	16,090	16,146	16,188	16,240	16,302	16,359	16,414	16,470	16,522	16,574	16,146	16,359	16,574
Mountain	9,791	9,820	9,852	9,879	9,900	9,929	9,961	9,994	10,027	10,062	10,095	10,130	9,879	9,994	10,130
Pacific	18,984	19,002	19,028	19,043	19,044	19,062	19,090	19,112	19,135	19,158	19,182	19,206	19,043	19,112	19,206
Total Non-farm Employment (Millions)															
New England	7.6	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.6	7.7	7.7
Middle Atlantic	20.1	20.1	20.2	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.2	20.4	20.4
E. N. Central	22.3	22.4	22.5	22.6	22.7	22.7	22.8	22.8	22.7	22.7	22.7	22.7	22.5	22.7	22.7
W. N. Central	10.9	10.9	11.0	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.0	11.1	11.1
S. Atlantic	30.5	30.7	30.8	31.0	31.2	31.3	31.3	31.4	31.4	31.5	31.5	31.5	30.8	31.3	31.5
E. S. Central	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
W. S. Central	18.8	19.0	19.1	19.2	19.3	19.4	19.4	19.4	19.5	19.5	19.5	19.5	19.0	19.4	19.5
Mountain	11.8	11.9	11.9	12.0	12.0	12.1	12.1	12.1	12.1	12.1	12.2	12.2	11.9	12.1	12.2
Pacific	24.5	24.7	24.7	24.8	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.7	25.0	25.0

- = no data available

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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.

Forecasts: U.S. macroeconomic forecasts 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 - April 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Heating Degree Days															
New England	2,707	813	89	1,923	2,791	862	131	2,036	2,943	818	130	2,028	5,532	5,820	5,920
Middle Atlantic	2,454	656	72	1,780	2,571	693	86	1,865	2,722	654	86	1,858	4,962	5,215	5,320
E. N. Central	2,728	701	96	1,902	2,675	708	121	2,135	3,002	701	120	2,130	5,426	5,639	5,954
W. N. Central	3,170	656	93	2,012	2,847	694	154	2,354	3,171	706	154	2,352	5,930	6,049	6,383
South Atlantic	1,058	191	10	889	1,256	196	13	884	1,274	178	12	878	2,147	2,349	2,342
E. S. Central	1,387	256	13	1,161	1,653	249	19	1,228	1,685	232	19	1,223	2,817	3,149	3,159
W. S. Central	931	91	1	695	1,081	87	5	767	1,095	85	5	764	1,719	1,940	1,949
Mountain	2,561	726	126	1,661	2,255	716	154	1,842	2,167	710	154	1,839	5,075	4,966	4,870
Pacific	1,834	660	100	1,033	1,535	578	95	1,161	1,442	583	95	1,158	3,627	3,369	3,278
U.S. Average	1,922	486	61	1,336	1,913	482	75	1,451	1,990	469	74	1,445	3,805	3,920	3,978
Heating Degree Days, Prior 10-year Average															
New England	3,151	859	106	2,093	3,110	855	98	2,056	3,033	853	97	2,051	6,209	6,119	6,034
Middle Atlantic	2,939	689	69	1,907	2,890	685	63	1,879	2,804	684	62	1,869	5,604	5,517	5,420
E. N. Central	3,215	741	93	2,169	3,159	735	91	2,113	3,033	733	86	2,090	6,218	6,098	5,942
W. N. Central	3,319	754	121	2,374	3,295	729	120	2,303	3,193	724	118	2,287	6,568	6,447	6,321
South Atlantic	1,403	190	10	905	1,357	188	9	895	1,311	188	9	880	2,508	2,449	2,388
E. S. Central	1,811	251	14	1,231	1,756	248	14	1,206	1,694	250	14	1,187	3,307	3,224	3,145
W. S. Central	1,188	95	3	762	1,164	90	3	731	1,124	90	3	723	2,048	1,987	1,939
Mountain	2,193	696	128	1,833	2,208	696	128	1,800	2,222	697	128	1,808	4,850	4,832	4,854
Pacific	1,444	523	75	1,148	1,472	539	77	1,129	1,499	550	81	1,146	3,191	3,217	3,276
U.S. Average	2,133	485	60	1,477	2,103	483	59	1,444	2,049	483	58	1,435	4,155	4,088	4,025
Cooling Degree Days															
New England	0	54	472	5	0	98	505	1	0	99	510	1	531	604	610
Middle Atlantic	0	90	577	10	0	181	650	5	0	183	656	5	677	836	844
E. N. Central	0	180	521	10	0	245	595	7	1	245	598	7	711	846	851
W. N. Central	1	319	708	14	5	297	730	11	5	297	733	11	1,042	1,042	1,046
South Atlantic	203	587	1,239	242	118	696	1,280	257	139	714	1,288	259	2,271	2,351	2,399
E. S. Central	64	444	1,099	72	15	546	1,123	68	34	545	1,128	68	1,678	1,751	1,775
W. S. Central	150	901	1,866	215	102	930	1,641	212	105	936	1,648	213	3,132	2,885	2,903
Mountain	3	349	1,024	98	3	438	1,010	83	20	451	1,015	83	1,475	1,534	1,569
Pacific	26	106	609	79	20	194	697	77	28	200	703	78	820	988	1,008
U.S. Average	68	363	941	105	42	438	959	105	51	445	966	106	1,476	1,543	1,568
Cooling Degree Days, Prior 10-year Average															
New England	0	87	480	2	0	83	483	2	0	85	499	2	569	568	587
Middle Atlantic	0	160	617	8	0	154	622	9	0	156	644	8	785	784	808
E. N. Central	1	234	561	10	1	231	566	10	1	232	588	10	805	808	831
W. N. Central	4	292	674	12	4	301	680	12	5	304	699	12	982	997	1,020
South Atlantic	144	675	1,192	272	153	674	1,212	271	154	679	1,234	277	2,283	2,310	2,345
E. S. Central	36	520	1,058	83	41	519	1,077	85	42	524	1,097	85	1,697	1,721	1,748
W. S. Central	101	861	1,549	223	109	873	1,584	228	115	888	1,604	227	2,734	2,793	2,834
Mountain	24	460	960	83	22	447	971	88	19	447	984	87	1,527	1,527	1,537
Pacific	32	213	676	86	32	201	677	89	30	198	677	85	1,006	999	991
U.S. Average	50	415	895	109	53	414	909	111	54	419	927	112	1,470	1,488	1,512

- = no data available

Notes: EIA completed modeling and analysis for this report on April 4, 2024.

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

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 See *Change in Regional and U.S. Degree-Day Calculations* (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).

Forecasts: Current month based on forecasts by the NOAA Climate Prediction Center (<http://www.cpc.ncep.noaa.gov/pacdir/DDdir/NHOME3.shtml>). Remaining months based on the 30-year trend.

Appendix to the April 2024 Short-Term Energy Outlook

This appendix is prepared in fulfillment of section 1245(d)(4)(A) of the National Defense Authorization Act (NDAA) for Fiscal Year 2012, as amended. The law requires the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy, to submit to Congress a report on the availability and price of petroleum and petroleum products produced in countries other than Iran in the two-month period preceding the submission of the report. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the U.S. Government. The data in this appendix, therefore, should not be construed as representing those of the U.S. Department of Energy or other federal agencies.

EIA consulted with the U.S. Department of the Treasury, the U.S. Department of State, and the intelligence community in the process of developing the NDAA report, which was previously published as a stand-alone report. Detailed background and contextual information not repeated here can be found in [early editions of the NDAA report](#).

This appendix is published in the *Short-Term Energy Outlook* in even numbered months.

Table a1. Summary of Estimated Petroleum and Other Liquids Quantities

	Feb 2024	Mar 2024	Feb 2024 – Mar 2024 Average	Feb 2023 – Mar 2023 Average	2021 – 2023 Average
Global Petroleum and Other Liquids (million barrels per day)					
Global Petroleum and Other Liquids Production (a)	102.4	102.1	102.2	101.3	99.2
Global Petroleum and Other Liquids Consumption (b)	103.4	102.3	102.8	102.1	99.8
Biofuels Production (c)	2.4	2.3	2.4	2.3	2.8
Biofuels Consumption (c)	2.8	2.8	2.8	2.8	2.7
Iran Liquid Fuels Production	4.4	4.4	4.4	3.8	3.7
Iran Liquid Fuels Consumption	2.7	2.2	2.5	2.4	2.1
Petroleum and Petroleum Products Produced and Consumed in Countries Other Than Iran (million barrels per day)					
Production (d)	95.6	95.4	95.5	95.2	96.4
Consumption (d)	97.9	97.3	97.6	97.0	95.0
Production minus Consumption	-2.3	-2.0	-2.1	-1.8	1.4
World Inventory Net Withdrawals Including Iran	1.0	0.2	0.6	0.8	0.7
Estimated OECD Inventory Level (e) (million barrels)	2,748	2,735	2,741	2,773	2,778
Surplus Production Capacity (million barrels per day)					
OPEC Surplus Crude Oil Production Capacity (f)	4.3	4.2	4.2	3.0	3.7

Note: The term "petroleum and other liquids" encompasses crude oil, lease condensate, natural gas liquids, biofuels, coal-to-liquids, gas-to-liquids, and refinery processing gains, which are important to consider in concert due to the inter-related supply, demand, and price dynamics of petroleum, petroleum products, and related fuels.

(a) Production includes crude oil (including lease condensates), natural gas liquids, other liquids, and refinery processing gains.

(b) Consumption of petroleum by the OECD countries is synonymous with "products supplied," defined in the glossary of the EIA Petroleum 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.

(c) Biofuels production and consumption are based on EIA estimates as published in the International Energy Statistics. Biofuels production in the third quarter tends to be at its highest level in the year as ethanol production in Brazil reaches its seasonal peak and is typically lowest in the first quarter as seasonal production falls in the South/South-Central region of Brazil.

(d) Global production of petroleum and petroleum products outside of Iran is derived by subtracting biofuels production and Iran liquid fuels production from global liquid fuels production. The same method is used to calculate global consumption outside of Iran.

(e) Estimated inventory level is for OECD countries only.

(f) EIA defines surplus oil production capacity as potential oil production that could be brought online within 30 days and sustained for at least 90 days, consistent with sound business practices. This does not include oil production increases that could not be sustained without degrading the future production capacity of a field.

Data source: U.S. Energy Information Administration.

Table a2. Crude Oil and Petroleum Product Price Data

Item	Feb 2024	Mar 2024	Feb 2024 – Mar	Feb 2023 – Mar	2021 – 2023
			2024 Average	2023 Average	Average
Brent Front Month Futures Price (\$ per barrel)	81.72	84.67	83.20	81.17	84.06
WTI Front Month Futures Price (\$ per barrel)	76.61	80.41	78.51	74.95	80.01
Dubai Front Month Futures Price (\$ per barrel)	81.01	84.25	82.63	80.00	82.59
Brent 1st - 13th Month Futures Spread (\$ per barrel)	5.64	6.85	6.25	4.52	7.69
WTI 1st - 13th Month Futures Spread (\$ per barrel)	5.18	7.04	6.11	3.18	7.73
RBOB Front Month Futures Price (\$ per gallon)	2.29	2.66	2.48	2.54	2.53
Heating Oil Front Month Futures Price (\$ per gallon)	2.77	2.67	2.72	2.78	2.81
RBOB - Brent Futures Crack Spread (\$ per gallon)	0.35	0.65	0.50	0.60	0.53
Heating Oil - Brent Futures Crack Spread (\$ per gallon)	0.83	0.66	0.74	0.84	0.81

(a) Brent refers to Brent crude oil traded on the Intercontinental Exchange (ICE).

(b) WTI refers to West Texas Intermediate crude oil traded on the New York Mercantile Exchange (NYMEX), owned by Chicago Mercantile Exchange (CME) Group.

(c) RBOB refers to *reformulated blendstock for oxygenate blending traded on the NYMEX*.

Data source: U.S. Energy Information Administration, based on Chicago Mercantile Exchange (CME), Intercontinental Exchange (ICE), and Dubai Mercantile Exchange (DME).