

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

U.S. Energy Information Administration | Short-Term Energy Outlook - May 2017

	2016				2017				2018				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2016	2017	2018
<b>Electricity Supply (billion kilowatthours per day)</b>															
Electricity Generation .....	<b>10.67</b>	<b>10.75</b>	<b>12.76</b>	<b>10.39</b>	<b>10.47</b>	<i>10.75</i>	<i>12.36</i>	<i>10.44</i>	<i>11.00</i>	<i>10.87</i>	<i>12.42</i>	<i>10.56</i>	<b>11.15</b>	<i>11.01</i>	<i>11.22</i>
Electric Power Sector (a) .....	<b>10.23</b>	<b>10.32</b>	<b>12.32</b>	<b>9.96</b>	<b>10.04</b>	<i>10.32</i>	<i>11.92</i>	<i>10.02</i>	<i>10.57</i>	<i>10.45</i>	<i>11.98</i>	<i>10.14</i>	<b>10.71</b>	<i>10.58</i>	<i>10.79</i>
Comm. and Indus. Sectors (b) .....	<b>0.44</b>	<b>0.43</b>	<b>0.45</b>	<b>0.42</b>	<b>0.43</b>	<i>0.43</i>	<i>0.45</i>	<i>0.42</i>	<i>0.43</i>	<i>0.42</i>	<i>0.45</i>	<i>0.42</i>	<b>0.44</b>	<i>0.43</i>	<i>0.43</i>
Net Imports .....	<b>0.18</b>	<b>0.18</b>	<b>0.22</b>	<b>0.19</b>	<b>0.19</b>	<i>0.16</i>	<i>0.18</i>	<i>0.15</i>	<i>0.15</i>	<i>0.15</i>	<i>0.17</i>	<i>0.13</i>	<b>0.19</b>	<i>0.17</i>	<i>0.15</i>
Total Supply .....	<b>10.85</b>	<b>10.93</b>	<b>12.98</b>	<b>10.58</b>	<b>10.66</b>	<i>10.91</i>	<i>12.54</i>	<i>10.59</i>	<i>11.15</i>	<i>11.02</i>	<i>12.59</i>	<i>10.69</i>	<b>11.34</b>	<i>11.18</i>	<i>11.37</i>
Losses and Unaccounted for (c) .....	<b>0.66</b>	<b>0.97</b>	<b>0.90</b>	<b>0.73</b>	<b>0.52</b>	<i>0.75</i>	<i>0.71</i>	<i>0.67</i>	<i>0.57</i>	<i>0.82</i>	<i>0.73</i>	<i>0.68</i>	<b>0.82</b>	<i>0.66</i>	<i>0.70</i>
<b>Electricity Consumption (billion kilowatthours per day unless noted)</b>															
Retail Sales .....	<b>9.81</b>	<b>9.58</b>	<b>11.69</b>	<b>9.47</b>	<b>9.76</b>	<i>9.78</i>	<i>11.43</i>	<i>9.55</i>	<i>10.20</i>	<i>9.83</i>	<i>11.47</i>	<i>9.64</i>	<b>10.14</b>	<i>10.13</i>	<i>10.29</i>
Residential Sector .....	<b>3.81</b>	<b>3.37</b>	<b>4.77</b>	<b>3.42</b>	<b>3.70</b>	<i>3.39</i>	<i>4.53</i>	<i>3.46</i>	<i>4.07</i>	<i>3.41</i>	<i>4.53</i>	<i>3.51</i>	<b>3.85</b>	<i>3.77</i>	<i>3.88</i>
Commercial Sector .....	<b>3.49</b>	<b>3.62</b>	<b>4.20</b>	<b>3.55</b>	<b>3.52</b>	<i>3.69</i>	<i>4.13</i>	<i>3.56</i>	<i>3.58</i>	<i>3.70</i>	<i>4.16</i>	<i>3.58</i>	<b>3.71</b>	<i>3.73</i>	<i>3.75</i>
Industrial Sector .....	<b>2.48</b>	<b>2.57</b>	<b>2.70</b>	<b>2.48</b>	<b>2.52</b>	<i>2.68</i>	<i>2.76</i>	<i>2.51</i>	<i>2.53</i>	<i>2.70</i>	<i>2.77</i>	<i>2.52</i>	<b>2.56</b>	<i>2.62</i>	<i>2.63</i>
Transportation Sector .....	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<i>0.02</i>	<b>0.02</b>	<i>0.02</i>	<i>0.02</i>
Direct Use (d) .....	<b>0.39</b>	<b>0.38</b>	<b>0.40</b>	<b>0.38</b>	<b>0.38</b>	<i>0.38</i>	<i>0.39</i>	<i>0.37</i>	<i>0.38</i>	<i>0.38</i>	<i>0.39</i>	<i>0.37</i>	<b>0.38</b>	<i>0.38</i>	<i>0.38</i>
Total Consumption .....	<b>10.19</b>	<b>9.96</b>	<b>12.09</b>	<b>9.84</b>	<b>10.14</b>	<i>10.16</i>	<i>11.83</i>	<i>9.92</i>	<i>10.59</i>	<i>10.20</i>	<i>11.87</i>	<i>10.01</i>	<b>10.52</b>	<i>10.52</i>	<i>10.67</i>
Average residential electricity usage per customer (kWh) .....	<b>2,645</b>	<b>2,342</b>	<b>3,348</b>	<b>2,401</b>	<b>2,501</b>	<i>2,328</i>	<i>3,149</i>	<i>2,406</i>	<i>2,735</i>	<i>2,319</i>	<i>3,113</i>	<i>2,414</i>	<b>10,736</b>	<i>10,383</i>	<i>10,581</i>
<b>Prices</b>															
<b>Power Generation Fuel Costs (dollars per million Btu)</b>															
Coal .....	<b>2.13</b>	<b>2.13</b>	<b>2.11</b>	<b>2.08</b>	<b>2.11</b>	<i>2.15</i>	<i>2.20</i>	<i>2.17</i>	<i>2.21</i>	<i>2.20</i>	<i>2.23</i>	<i>2.23</i>	<b>2.11</b>	<i>2.16</i>	<i>2.22</i>
Natural Gas .....	<b>2.65</b>	<b>2.51</b>	<b>3.00</b>	<b>3.36</b>	<b>3.74</b>	<i>3.65</i>	<i>3.52</i>	<i>3.88</i>	<i>4.39</i>	<i>3.79</i>	<i>3.65</i>	<i>4.17</i>	<b>2.88</b>	<i>3.68</i>	<i>3.96</i>
Residual Fuel Oil .....	<b>6.15</b>	<b>8.51</b>	<b>9.70</b>	<b>9.08</b>	<b>11.00</b>	<i>10.70</i>	<i>10.13</i>	<i>10.11</i>	<i>10.26</i>	<i>11.10</i>	<i>10.94</i>	<i>10.99</i>	<b>8.41</b>	<i>10.47</i>	<i>10.82</i>
Distillate Fuel Oil .....	<b>9.00</b>	<b>11.01</b>	<b>11.64</b>	<b>12.14</b>	<b>13.04</b>	<i>13.18</i>	<i>13.57</i>	<i>14.51</i>	<i>14.88</i>	<i>14.81</i>	<i>15.07</i>	<i>15.86</i>	<b>10.86</b>	<i>13.57</i>	<i>15.14</i>
<b>Retail Prices (cents per kilowatthour)</b>															
Residential Sector .....	<b>12.20</b>	<b>12.66</b>	<b>12.81</b>	<b>12.45</b>	<b>12.62</b>	<i>12.76</i>	<i>13.13</i>	<i>12.81</i>	<i>12.94</i>	<i>13.11</i>	<i>13.42</i>	<i>13.09</i>	<b>12.55</b>	<i>12.85</i>	<i>13.15</i>
Commercial Sector .....	<b>10.12</b>	<b>10.34</b>	<b>10.68</b>	<b>10.27</b>	<b>10.32</b>	<i>10.34</i>	<i>10.84</i>	<i>10.54</i>	<i>10.57</i>	<i>10.50</i>	<i>10.96</i>	<i>10.67</i>	<b>10.37</b>	<i>10.52</i>	<i>10.69</i>
Industrial Sector .....	<b>6.42</b>	<b>6.67</b>	<b>7.20</b>	<b>6.67</b>	<b>6.65</b>	<i>6.92</i>	<i>7.47</i>	<i>6.91</i>	<i>6.83</i>	<i>7.07</i>	<i>7.62</i>	<i>7.08</i>	<b>6.75</b>	<i>7.00</i>	<i>7.16</i>

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

Prices are not adjusted for inflation.

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

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

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

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

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

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

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

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