

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

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

	2016				2017				2018				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	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>10.53</b>	<b>10.67</b>	<b>12.27</b>	<i>10.46</i>	<i>11.01</i>	<i>10.91</i>	<i>12.45</i>	<i>10.60</i>	<b>11.15</b>	<i>10.99</i>	<i>11.24</i>
Electric Power Sector (a) .....	<b>10.23</b>	<b>10.32</b>	<b>12.32</b>	<b>9.96</b>	<b>10.10</b>	<b>10.25</b>	<b>11.84</b>	<i>10.05</i>	<i>10.58</i>	<i>10.49</i>	<i>12.00</i>	<i>10.18</i>	<b>10.71</b>	<i>10.56</i>	<i>10.81</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>	<b>0.41</b>	<b>0.43</b>	<i>0.41</i>	<i>0.43</i>	<i>0.43</i>	<i>0.45</i>	<i>0.42</i>	<b>0.44</b>	<i>0.42</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>	<b>0.19</b>	<b>0.17</b>	<i>0.14</i>	<i>0.15</i>	<i>0.15</i>	<i>0.17</i>	<i>0.12</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>10.72</b>	<b>10.86</b>	<b>12.44</b>	<i>10.60</i>	<i>11.15</i>	<i>11.06</i>	<i>12.61</i>	<i>10.72</i>	<b>11.34</b>	<i>11.16</i>	<i>11.39</i>
Losses and Unaccounted for (c) .....	<b>0.66</b>	<b>0.97</b>	<b>0.90</b>	<b>0.73</b>	<b>0.61</b>	<b>0.81</b>	<b>0.75</b>	<i>0.65</i>	<i>0.56</i>	<i>0.84</i>	<i>0.73</i>	<i>0.68</i>	<b>0.82</b>	<i>0.71</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>9.73</b>	<b>9.68</b>	<b>11.31</b>	<i>9.59</i>	<i>10.21</i>	<i>9.85</i>	<i>11.49</i>	<i>9.67</i>	<b>10.14</b>	<i>10.08</i>	<i>10.31</i>
Residential Sector .....	<b>3.81</b>	<b>3.37</b>	<b>4.77</b>	<b>3.42</b>	<b>3.70</b>	<b>3.42</b>	<b>4.47</b>	<i>3.45</i>	<i>4.06</i>	<i>3.49</i>	<i>4.58</i>	<i>3.51</i>	<b>3.85</b>	<i>3.76</i>	<i>3.91</i>
Commercial Sector .....	<b>3.49</b>	<b>3.62</b>	<b>4.20</b>	<b>3.55</b>	<b>3.51</b>	<b>3.63</b>	<b>4.09</b>	<i>3.57</i>	<i>3.58</i>	<i>3.69</i>	<i>4.12</i>	<i>3.58</i>	<b>3.71</b>	<i>3.70</i>	<i>3.74</i>
Industrial Sector .....	<b>2.48</b>	<b>2.57</b>	<b>2.70</b>	<b>2.48</b>	<b>2.49</b>	<b>2.61</b>	<b>2.73</b>	<i>2.54</i>	<i>2.55</i>	<i>2.64</i>	<i>2.76</i>	<i>2.56</i>	<b>2.56</b>	<i>2.59</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>	<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>	<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>	<b>0.37</b>	<b>0.38</b>	<i>0.37</i>	<i>0.38</i>	<i>0.38</i>	<i>0.40</i>	<i>0.37</i>	<b>0.38</b>	<i>0.37</i>	<i>0.38</i>
Total Consumption .....	<b>10.19</b>	<b>9.96</b>	<b>12.09</b>	<b>9.84</b>	<b>10.11</b>	<b>10.05</b>	<b>11.69</b>	<i>9.95</i>	<i>10.59</i>	<i>10.22</i>	<i>11.89</i>	<i>10.04</i>	<b>10.52</b>	<i>10.45</i>	<i>10.69</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>2,527</b>	<b>2,360</b>	<b>3,131</b>	<i>2,409</i>	<i>2,740</i>	<i>2,386</i>	<i>3,165</i>	<i>2,423</i>	<b>10,736</b>	<i>10,427</i>	<i>10,714</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>2.08</b>	<b>2.12</b>	<b>2.16</b>	<i>2.17</i>	<i>2.18</i>	<i>2.19</i>	<i>2.21</i>	<i>2.20</i>	<b>2.11</b>	<i>2.14</i>	<i>2.20</i>
Natural Gas .....	<b>2.65</b>	<b>2.51</b>	<b>3.00</b>	<b>3.36</b>	<b>3.69</b>	<b>3.38</b>	<b>3.25</b>	<i>3.67</i>	<i>4.16</i>	<i>3.58</i>	<i>3.45</i>	<i>3.85</i>	<b>2.88</b>	<i>3.47</i>	<i>3.72</i>
Residual Fuel Oil .....	<b>6.15</b>	<b>8.51</b>	<b>9.70</b>	<b>9.08</b>	<b>11.16</b>	<b>10.60</b>	<b>9.91</b>	<i>10.46</i>	<i>10.29</i>	<i>10.85</i>	<i>10.52</i>	<i>10.61</i>	<b>8.41</b>	<i>10.51</i>	<i>10.56</i>
Distillate Fuel Oil .....	<b>9.00</b>	<b>11.01</b>	<b>11.64</b>	<b>12.14</b>	<b>12.75</b>	<b>12.24</b>	<b>10.92</b>	<i>11.50</i>	<i>12.40</i>	<i>11.74</i>	<i>10.24</i>	<i>10.50</i>	<b>10.86</b>	<i>11.92</i>	<i>11.29</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>12.61</b>	<b>13.00</b>	<b>13.32</b>	<i>12.80</i>	<i>12.81</i>	<i>13.46</i>	<i>13.73</i>	<i>13.18</i>	<b>12.55</b>	<i>12.96</i>	<i>13.31</i>
Commercial Sector .....	<b>10.12</b>	<b>10.34</b>	<b>10.68</b>	<b>10.27</b>	<b>10.38</b>	<b>10.67</b>	<b>10.90</b>	<i>10.29</i>	<i>10.50</i>	<i>10.75</i>	<i>10.97</i>	<i>10.42</i>	<b>10.37</b>	<i>10.57</i>	<i>10.67</i>
Industrial Sector .....	<b>6.42</b>	<b>6.67</b>	<b>7.20</b>	<b>6.67</b>	<b>6.65</b>	<b>6.88</b>	<b>7.42</b>	<i>6.95</i>	<i>6.86</i>	<i>7.09</i>	<i>7.63</i>	<i>7.11</i>	<b>6.75</b>	<i>6.99</i>	<i>7.18</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.