

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

U.S. Energy Information Administration | Short-Term Energy Outlook - December 2016

	2015				2016				2017				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2015	2016	2017
<b>Electricity Supply (billion kilowatthours per day)</b>															
Electricity Generation .....	<b>11.32</b>	<b>10.75</b>	<b>12.42</b>	<b>10.19</b>	<b>10.66</b>	<b>10.75</b>	<b>12.76</b>	<i>10.57</i>	<i>10.90</i>	<i>10.88</i>	<i>12.51</i>	<i>10.74</i>	<b>11.17</b>	<i>11.19</i>	<i>11.26</i>
Electric Power Sector (a) .....	<b>10.90</b>	<b>10.34</b>	<b>11.96</b>	<b>9.75</b>	<b>10.23</b>	<b>10.32</b>	<b>12.31</b>	<i>10.13</i>	<i>10.46</i>	<i>10.45</i>	<i>12.05</i>	<i>10.30</i>	<b>10.74</b>	<i>10.75</i>	<i>10.82</i>
Comm. and Indus. Sectors (b) .....	<b>0.42</b>	<b>0.42</b>	<b>0.46</b>	<b>0.44</b>	<b>0.44</b>	<b>0.43</b>	<b>0.45</b>	<i>0.44</i>	<i>0.45</i>	<i>0.43</i>	<i>0.46</i>	<i>0.44</i>	<b>0.43</b>	<i>0.44</i>	<i>0.44</i>
Net Imports .....	<b>0.17</b>	<b>0.20</b>	<b>0.20</b>	<b>0.16</b>	<b>0.18</b>	<b>0.18</b>	<b>0.22</b>	<i>0.15</i>	<i>0.15</i>	<i>0.15</i>	<i>0.19</i>	<i>0.14</i>	<b>0.18</b>	<i>0.18</i>	<i>0.16</i>
Total Supply .....	<b>11.49</b>	<b>10.95</b>	<b>12.62</b>	<b>10.35</b>	<b>10.85</b>	<b>10.93</b>	<b>12.98</b>	<i>10.72</i>	<i>11.06</i>	<i>11.04</i>	<i>12.70</i>	<i>10.88</i>	<b>11.35</b>	<i>11.37</i>	<i>11.42</i>
Losses and Unaccounted for (c) .....	<b>0.62</b>	<b>0.82</b>	<b>0.73</b>	<b>0.53</b>	<b>0.66</b>	<b>0.97</b>	<b>0.89</b>	<i>0.65</i>	<i>0.60</i>	<i>0.93</i>	<i>0.80</i>	<i>0.73</i>	<b>0.67</b>	<i>0.79</i>	<i>0.76</i>
<b>Electricity Consumption (billion kilowatthours per day unless noted)</b>															
Retail Sales .....	<b>10.50</b>	<b>9.77</b>	<b>11.49</b>	<b>9.44</b>	<b>9.81</b>	<b>9.58</b>	<b>11.69</b>	<i>9.68</i>	<i>10.06</i>	<i>9.73</i>	<i>11.49</i>	<i>9.76</i>	<b>10.30</b>	<i>10.19</i>	<i>10.26</i>
Residential Sector .....	<b>4.21</b>	<b>3.36</b>	<b>4.52</b>	<b>3.30</b>	<b>3.81</b>	<b>3.37</b>	<b>4.77</b>	<i>3.43</i>	<i>3.97</i>	<i>3.42</i>	<i>4.56</i>	<i>3.46</i>	<b>3.85</b>	<i>3.85</i>	<i>3.85</i>
Commercial Sector .....	<b>3.64</b>	<b>3.65</b>	<b>4.11</b>	<b>3.51</b>	<b>3.49</b>	<b>3.62</b>	<b>4.20</b>	<i>3.59</i>	<i>3.54</i>	<i>3.64</i>	<i>4.13</i>	<i>3.59</i>	<b>3.73</b>	<i>3.73</i>	<i>3.73</i>
Industrial Sector .....	<b>2.62</b>	<b>2.74</b>	<b>2.84</b>	<b>2.61</b>	<b>2.48</b>	<b>2.57</b>	<b>2.70</b>	<i>2.64</i>	<i>2.53</i>	<i>2.65</i>	<i>2.78</i>	<i>2.68</i>	<b>2.70</b>	<i>2.60</i>	<i>2.66</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>0.38</b>	<b>0.37</b>	<b>0.41</b>	<b>0.39</b>	<b>0.39</b>	<b>0.38</b>	<b>0.40</b>	<i>0.39</i>	<i>0.39</i>	<i>0.38</i>	<i>0.41</i>	<i>0.39</i>	<b>0.38</b>	<i>0.39</i>	<i>0.39</i>
Total Consumption .....	<b>10.87</b>	<b>10.14</b>	<b>11.89</b>	<b>9.82</b>	<b>10.19</b>	<b>9.96</b>	<b>12.09</b>	<i>10.07</i>	<i>10.45</i>	<i>10.11</i>	<i>11.90</i>	<i>10.15</i>	<b>10.68</b>	<i>10.58</i>	<i>10.66</i>
Average residential electricity usage per customer (kWh) .....	<b>2,918</b>	<b>2,355</b>	<b>3,204</b>	<b>2,340</b>	<b>2,645</b>	<b>2,342</b>	<b>3,349</b>	<i>2,403</i>	<i>2,699</i>	<i>2,350</i>	<i>3,169</i>	<i>2,407</i>	<b>10,816</b>	<i>10,738</i>	<i>10,626</i>
<b>Prices</b>															
<b>Power Generation Fuel Costs (dollars per million Btu)</b>															
Coal .....	<b>2.27</b>	<b>2.25</b>	<b>2.22</b>	<b>2.15</b>	<b>2.13</b>	<b>2.14</b>	<b>2.12</b>	<i>2.19</i>	<i>2.17</i>	<i>2.20</i>	<i>2.23</i>	<i>2.21</i>	<b>2.23</b>	<i>2.14</i>	<i>2.21</i>
Natural Gas .....	<b>4.10</b>	<b>3.12</b>	<b>3.10</b>	<b>2.72</b>	<b>2.65</b>	<b>2.51</b>	<b>3.00</b>	<i>3.62</i>	<i>4.25</i>	<i>3.71</i>	<i>3.52</i>	<i>4.00</i>	<b>3.23</b>	<i>2.94</i>	<i>3.83</i>
Residual Fuel Oil .....	<b>10.82</b>	<b>11.64</b>	<b>10.49</b>	<b>7.76</b>	<b>6.15</b>	<b>8.51</b>	<b>9.85</b>	<i>8.98</i>	<i>9.29</i>	<i>10.07</i>	<i>9.82</i>	<i>10.03</i>	<b>10.36</b>	<i>8.44</i>	<i>9.80</i>
Distillate Fuel Oil .....	<b>15.61</b>	<b>15.17</b>	<b>13.19</b>	<b>11.76</b>	<b>9.02</b>	<b>11.03</b>	<b>11.79</b>	<i>12.99</i>	<i>13.58</i>	<i>13.55</i>	<i>13.91</i>	<i>14.97</i>	<b>14.44</b>	<i>11.12</i>	<i>13.99</i>
<b>Retail Prices (cents per kilowatthour)</b>															
Residential Sector .....	<b>12.23</b>	<b>12.83</b>	<b>12.96</b>	<b>12.57</b>	<b>12.20</b>	<b>12.66</b>	<b>12.81</b>	<i>12.36</i>	<i>12.33</i>	<i>12.93</i>	<i>13.32</i>	<i>12.84</i>	<b>12.65</b>	<i>12.53</i>	<i>12.87</i>
Commercial Sector .....	<b>10.42</b>	<b>10.62</b>	<b>11.03</b>	<b>10.43</b>	<b>10.12</b>	<b>10.34</b>	<b>10.67</b>	<i>10.16</i>	<i>10.14</i>	<i>10.55</i>	<i>11.03</i>	<i>10.50</i>	<b>10.64</b>	<i>10.34</i>	<i>10.58</i>
Industrial Sector .....	<b>6.79</b>	<b>6.83</b>	<b>7.34</b>	<b>6.65</b>	<b>6.42</b>	<b>6.67</b>	<b>7.20</b>	<i>6.66</i>	<i>6.49</i>	<i>6.82</i>	<i>7.37</i>	<i>6.75</i>	<b>6.91</b>	<i>6.75</i>	<i>6.87</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.