

Table 7a. U.S. Electricity Industry Overview

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

	2016				2017				2018				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2016	2017	2018
Electricity Supply (billion kilowatthours per day)															
Electricity Generation	10.66	10.75	12.76	10.45	<i>10.88</i>	<i>10.82</i>	<i>12.48</i>	<i>10.68</i>	<i>11.00</i>	<i>10.92</i>	<i>12.59</i>	<i>10.75</i>	11.16	<i>11.22</i>	<i>11.32</i>
Electric Power Sector (a)	10.23	10.32	12.31	10.01	<i>10.43</i>	<i>10.38</i>	<i>12.01</i>	<i>10.24</i>	<i>10.56</i>	<i>10.49</i>	<i>12.13</i>	<i>10.31</i>	10.72	<i>10.77</i>	<i>10.87</i>
Comm. and Indus. Sectors (b)	0.44	0.43	0.45	0.44	<i>0.45</i>	<i>0.44</i>	<i>0.46</i>	<i>0.44</i>	<i>0.45</i>	<i>0.43</i>	<i>0.46</i>	<i>0.44</i>	0.44	<i>0.45</i>	<i>0.45</i>
Net Imports	0.18	0.18	0.22	0.16	<i>0.15</i>	<i>0.14</i>	<i>0.16</i>	<i>0.11</i>	<i>0.11</i>	<i>0.12</i>	<i>0.15</i>	<i>0.11</i>	0.19	<i>0.14</i>	<i>0.12</i>
Total Supply	10.85	10.93	12.98	10.61	<i>11.03</i>	<i>10.95</i>	<i>12.63</i>	<i>10.79</i>	<i>11.12</i>	<i>11.04</i>	<i>12.74</i>	<i>10.86</i>	11.35	<i>11.35</i>	<i>11.44</i>
Losses and Unaccounted for (c)	0.66	0.97	0.89	0.63	<i>0.56</i>	<i>0.83</i>	<i>0.73</i>	<i>0.68</i>	<i>0.58</i>	<i>0.85</i>	<i>0.74</i>	<i>0.69</i>	0.79	<i>0.70</i>	<i>0.71</i>
Electricity Consumption (billion kilowatthours per day unless noted)															
Retail Sales	9.81	9.58	11.69	9.60	<i>10.07</i>	<i>9.74</i>	<i>11.50</i>	<i>9.71</i>	<i>10.15</i>	<i>9.81</i>	<i>11.59</i>	<i>9.78</i>	10.17	<i>10.26</i>	<i>10.33</i>
Residential Sector	3.81	3.37	4.77	3.43	<i>3.95</i>	<i>3.42</i>	<i>4.56</i>	<i>3.47</i>	<i>3.98</i>	<i>3.45</i>	<i>4.61</i>	<i>3.50</i>	3.85	<i>3.85</i>	<i>3.88</i>
Commercial Sector	3.49	3.62	4.20	3.56	<i>3.55</i>	<i>3.64</i>	<i>4.13</i>	<i>3.56</i>	<i>3.57</i>	<i>3.67</i>	<i>4.17</i>	<i>3.59</i>	3.72	<i>3.72</i>	<i>3.75</i>
Industrial Sector	2.48	2.57	2.70	2.59	<i>2.55</i>	<i>2.66</i>	<i>2.79</i>	<i>2.66</i>	<i>2.57</i>	<i>2.67</i>	<i>2.80</i>	<i>2.67</i>	2.59	<i>2.66</i>	<i>2.68</i>
Transportation Sector	0.02	0.02	0.02	0.02	<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>	<i>0.02</i>	0.02	<i>0.02</i>	<i>0.02</i>
Direct Use (d)	0.39	0.38	0.40	0.39	<i>0.40</i>	<i>0.38</i>	<i>0.41</i>	<i>0.39</i>	<i>0.39</i>	<i>0.38</i>	<i>0.41</i>	<i>0.39</i>	0.39	<i>0.39</i>	<i>0.39</i>
Total Consumption	10.19	9.96	12.09	9.98	<i>10.47</i>	<i>10.12</i>	<i>11.91</i>	<i>10.10</i>	<i>10.54</i>	<i>10.19</i>	<i>12.00</i>	<i>10.17</i>	10.56	<i>10.65</i>	<i>10.73</i>
Average residential electricity usage per customer (kWh)	2,645	2,342	3,349	2,395	<i>2,684</i>	<i>2,349</i>	<i>3,168</i>	<i>2,410</i>	<i>2,677</i>	<i>2,344</i>	<i>3,164</i>	<i>2,402</i>	10,730	<i>10,611</i>	<i>10,586</i>
Prices															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	2.13	2.14	2.11	2.13	<i>2.17</i>	<i>2.16</i>	<i>2.20</i>	<i>2.19</i>	<i>2.19</i>	<i>2.19</i>	<i>2.23</i>	<i>2.23</i>	2.13	<i>2.18</i>	<i>2.21</i>
Natural Gas	2.65	2.51	3.00	3.63	<i>4.55</i>	<i>4.01</i>	<i>3.79</i>	<i>4.20</i>	<i>4.68</i>	<i>4.21</i>	<i>3.99</i>	<i>4.40</i>	2.93	<i>4.10</i>	<i>4.28</i>
Residual Fuel Oil	6.15	8.51	9.70	8.83	<i>9.62</i>	<i>10.55</i>	<i>10.28</i>	<i>10.18</i>	<i>10.08</i>	<i>10.84</i>	<i>10.67</i>	<i>10.72</i>	8.36	<i>10.15</i>	<i>10.57</i>
Distillate Fuel Oil	9.00	11.01	11.64	12.72	<i>13.53</i>	<i>13.60</i>	<i>13.82</i>	<i>14.47</i>	<i>14.61</i>	<i>14.64</i>	<i>14.86</i>	<i>15.71</i>	10.98	<i>13.84</i>	<i>14.94</i>
Retail Prices (cents per kilowatthour)															
Residential Sector	12.20	12.66	12.81	12.29	<i>12.29</i>	<i>12.90</i>	<i>13.32</i>	<i>12.77</i>	<i>12.86</i>	<i>13.19</i>	<i>13.50</i>	<i>13.00</i>	12.51	<i>12.84</i>	<i>13.16</i>
Commercial Sector	10.12	10.34	10.67	10.15	<i>10.04</i>	<i>10.52</i>	<i>11.05</i>	<i>10.53</i>	<i>10.34</i>	<i>10.62</i>	<i>11.10</i>	<i>10.64</i>	10.34	<i>10.56</i>	<i>10.69</i>
Industrial Sector	6.42	6.67	7.20	6.59	<i>6.52</i>	<i>6.81</i>	<i>7.37</i>	<i>6.72</i>	<i>6.55</i>	<i>6.91</i>	<i>7.49</i>	<i>6.85</i>	6.73	<i>6.87</i>	<i>6.96</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.