

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

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

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
<b>Electricity Supply (billion kilowatthours)</b>															
Electricity generation (a) .....	987	984	1,209	998	1,025	1,029	1,234	1,010	1,023	1,040	1,248	1,019	4,178	4,297	4,330
Electric power sector .....	949	947	1,168	958	985	990	1,192	969	984	1,001	1,206	979	4,022	4,136	4,170
Industrial sector .....	35	33	36	36	35	34	37	36	35	34	37	36	139	142	142
Commercial sector .....	4	4	5	4	4	4	5	5	4	4	5	5	17	18	18
Net imports .....	8	6	3	2	4	8	12	10	11	12	15	11	19	33	49
Total utility-scale power supply .....	995	990	1,212	1,000	1,029	1,036	1,246	1,019	1,034	1,052	1,262	1,030	4,197	4,330	4,379
Losses and Unaccounted for (b) .....	42	52	51	52	50	72	56	49	44	70	57	49	197	227	220
Small-scale solar generation (c) .....	14	22	22	16	17	25	25	17	19	29	29	20	74	85	97
Residential sector .....	10	15	15	11	12	17	17	12	13	20	20	14	50	58	66
Commercial sector .....	4	6	6	4	4	7	7	5	5	8	8	5	19	22	25
Industrial sector .....	1	1	1	1	1	1	1	1	1	2	2	1	4	5	5
<b>Electricity Consumption (billion kilowatthours unless noted)</b>															
Sales to Ultimate Customers .....	919	906	1,124	912	944	930	1,152	934	955	948	1,168	945	3,861	3,960	4,016
Residential Sector .....	355	319	455	325	367	332	472	338	375	340	478	340	1,455	1,510	1,533
Commercial Sector .....	322	330	392	331	330	336	396	334	328	336	395	332	1,375	1,396	1,391
Industrial Sector .....	239	256	275	254	245	260	283	261	251	270	294	271	1,025	1,048	1,086
Transportation Sector .....	2	2	2	2	2	2	2	2	2	2	2	2	7	6	7
Direct Use (d) .....	34	33	36	36	35	34	37	36	35	34	37	36	139	143	142
Total Consumption .....	953	939	1,161	948	979	964	1,190	970	990	983	1,205	981	4,000	4,103	4,159
Average residential electricity usage per customer (kWh) .....	2,530	2,268	3,243	2,316	2,587	2,341	3,325	2,377	2,610	2,365	3,325	2,364	10,357	10,630	10,665
<b>End-of-period Fuel Inventories Held by Electric Power Sector</b>															
Coal (mmt) .....	109.0	127.7	116.6	131.4	134.2	133.8	125.1	137.1	146.3	153.1	139.1	149.9	131.4	137.1	149.9
Residual Fuel (mmb) .....	6.1	6.2	6.4	6.3	5.7	5.2	2.9	3.4	2.1	2.3	0.6	1.5	6.3	3.4	1.5
Distillate Fuel (mmb) .....	17.0	16.9	16.1	16.1	15.6	15.5	15.5	15.8	15.6	15.5	15.4	15.6	16.1	15.8	15.6
<b>Prices</b>															
<b>Power Generation Fuel Costs (dollars per million Btu)</b>															
Coal .....	2.57	2.49	2.51	2.51	2.49	2.48	2.43	2.43	2.43	2.42	2.41	2.37	2.52	2.47	2.41
Natural Gas .....	4.98	2.60	2.92	3.19	3.33	2.03	2.34	3.07	3.43	2.98	3.23	3.65	3.36	2.66	3.31
Residual Fuel Oil .....	19.23	17.88	19.17	20.84	18.17	16.90	16.41	16.62	16.88	17.18	16.30	15.96	19.32	17.06	16.55
Distillate Fuel Oil .....	22.84	19.91	22.08	21.03	20.19	19.91	20.70	22.17	22.45	21.59	21.68	21.48	21.47	20.87	21.84
<b>Prices to Ultimate Customers (cents per kilowatthour)</b>															
Residential Sector .....	15.77	16.12	16.02	16.02	15.81	15.95	15.85	15.75	15.77	16.22	16.26	16.21	15.98	15.84	16.12
Commercial Sector .....	12.64	12.45	13.18	12.63	12.65	12.34	13.19	12.68	12.79	12.70	13.67	13.07	12.74	12.73	13.08
Industrial Sector .....	8.06	7.74	8.55	7.83	7.82	7.58	8.28	7.80	7.94	7.64	8.32	7.83	8.05	7.88	7.94
<b>Wholesale Electricity Prices (dollars per megawatthour)</b>															
ERCOT North hub .....	28.05	57.27	188.81	33.85	32.53	27.42	36.63	26.83	26.84	24.14	37.35	27.49	77.00	30.85	28.96
CAISO SP15 zone .....	92.54	30.00	67.59	50.54	33.41	29.58	27.70	37.31	44.08	22.90	42.44	44.00	60.17	32.00	38.35
ISO-NE Internal hub .....	52.63	32.55	40.41	39.84	47.50	33.81	50.76	53.63	64.94	38.44	67.64	48.58	41.36	46.42	54.90
NYISO Hudson Valley zone .....	44.65	31.38	39.45	36.35	43.48	28.62	42.53	34.62	46.98	31.95	46.83	35.70	37.96	37.31	40.37
PJM Western hub .....	36.49	35.41	43.27	42.17	35.76	34.49	47.58	39.63	44.99	39.96	48.00	42.20	39.34	39.37	43.79
Midcontinent ISO Illinois hub .....	31.39	32.13	40.60	33.58	32.52	29.62	40.38	36.52	44.09	39.68	46.59	40.80	34.42	34.76	42.79
SPP ISO South hub .....	28.96	34.56	46.96	28.50	31.66	34.25	43.36	37.60	40.17	40.28	50.30	40.74	34.74	36.72	42.87
SERC index, Into Southern .....	30.53	31.66	36.45	30.40	27.96	28.65	34.82	32.93	35.90	32.81	37.91	34.76	32.26	31.09	35.34
FRCC index, Florida Reliability .....	30.31	33.06	36.79	32.05	30.01	31.05	35.72	34.88	35.49	35.25	38.83	36.14	33.05	32.91	36.42
Northwest index, Mid-Columbia .....	105.99	58.61	82.36	79.49	99.74	45.63	43.64	54.72	61.24	36.32	53.58	61.51	81.61	60.93	53.16
Southwest index, Palo Verde .....	84.19	31.60	71.95	50.10	29.62	29.26	41.45	41.17	42.36	32.54	44.52	42.28	59.46	35.37	40.43

Notes: EIA completed modeling and analysis for this report on May 2, 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.