

Table 7a. U.S. Electricity Industry Overview

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

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
Electricity Supply (billion kilowatthours)															
Electricity generation (a)	987	984	1,209	998	1,025	1,026	1,229	1,005	1,019	1,031	1,236	1,008	4,178	4,284	4,294
Electric power sector	949	947	1,168	958	984	986	1,187	963	979	992	1,193	967	4,022	4,119	4,131
Industrial sector	35	33	36	36	37	35	38	37	36	35	37	36	139	146	144
Commercial sector	4	4	5	4	4	4	5	5	4	4	5	5	17	18	18
Net imports	8	6	3	2	5	9	13	10	11	12	15	11	19	37	49
Total utility-scale power supply	995	990	1,212	1,000	1,030	1,034	1,242	1,015	1,030	1,043	1,250	1,019	4,197	4,321	4,343
Losses and Unaccounted for (b)	42	52	51	52	51	69	56	48	44	69	57	48	197	225	218
Small-scale solar generation (c)	14	22	22	16	17	25	25	17	19	29	29	20	74	85	96
Residential sector	10	15	15	11	12	17	17	12	13	20	20	13	50	58	66
Commercial sector	4	6	6	4	4	7	7	4	5	7	7	5	19	22	25
Industrial sector	1	1	1	1	1	1	1	1	1	2	2	1	4	5	5
Electricity Consumption (billion kilowatthours unless noted)															
Sales to Ultimate Customers	919	906	1,124	912	942	929	1,148	930	950	939	1,156	934	3,861	3,949	3,980
Residential Sector	355	319	455	325	367	333	470	336	374	337	474	337	1,455	1,506	1,523
Commercial Sector	322	330	392	331	326	336	395	333	323	335	393	331	1,375	1,389	1,382
Industrial Sector	239	256	275	254	248	259	281	259	251	266	287	264	1,025	1,047	1,069
Transportation Sector	2	2	2	2	2	2	2	2	2	2	2	2	7	7	7
Direct Use (d)	34	33	36	36	36	35	38	37	36	35	38	36	139	147	145
Total Consumption	953	939	1,161	948	979	965	1,186	966	986	974	1,194	971	4,000	4,096	4,125
Average residential electricity usage per customer (kWh)	2,530	2,268	3,243	2,316	2,592	2,348	3,319	2,373	2,619	2,356	3,318	2,360	10,357	10,633	10,653
End-of-period Fuel Inventories Held by Electric Power Sector															
Coal (mmst)	109.0	127.7	116.6	131.4	134.9	144.6	128.7	133.8	136.0	140.8	118.9	123.1	131.4	133.8	123.1
Residual Fuel (mmb)	6.1	6.2	6.4	6.3	5.9	5.1	2.8	3.3	2.1	2.3	0.6	1.4	6.3	3.3	1.4
Distillate Fuel (mmb)	17.0	16.9	16.1	16.1	15.7	15.5	15.5	15.7	15.6	15.4	15.4	15.6	16.1	15.7	15.6
Prices															
Power Generation Fuel Costs (dollars per million Btu)															
Coal	2.57	2.49	2.51	2.51	2.48	2.47	2.45	2.41	2.42	2.42	2.41	2.38	2.52	2.45	2.41
Natural Gas	4.98	2.60	2.92	3.19	3.31	1.94	2.32	3.05	3.32	2.81	3.02	3.45	3.36	2.63	3.14
Residual Fuel Oil	19.23	17.88	19.17	20.84	17.17	16.91	16.80	16.87	17.03	17.28	16.53	16.35	19.32	16.95	16.78
Distillate Fuel Oil	22.84	19.91	22.08	21.03	20.43	20.83	21.63	22.51	22.62	21.76	22.00	21.95	21.47	21.33	22.14
Prices to Ultimate Customers (cents per kilowatthour)															
Residential Sector	15.77	16.12	16.02	16.02	15.75	15.95	15.90	15.80	15.77	16.31	16.37	16.31	15.98	15.86	16.20
Commercial Sector	12.64	12.45	13.18	12.63	12.46	12.19	13.10	12.65	12.58	12.55	13.58	13.03	12.74	12.62	12.96
Industrial Sector	8.06	7.74	8.55	7.83	7.73	7.69	8.34	7.90	7.97	7.74	8.49	8.02	8.05	7.93	8.07
Wholesale Electricity Prices (dollars per megawatthour)															
ERCOT North hub	28.05	57.27	188.81	33.85	32.53	41.26	38.72	35.26	35.01	30.27	41.79	34.22	77.00	36.94	35.32
CAISO SP15 zone	92.54	30.00	67.59	50.54	33.41	41.81	35.10	43.08	48.77	24.34	45.06	49.00	60.17	38.35	41.79
ISO-NE Internal hub	52.63	32.55	40.41	39.84	47.50	40.37	57.39	55.87	70.37	41.89	56.99	48.92	41.36	50.28	54.54
NYISO Hudson Valley zone	44.65	31.38	39.45	36.35	43.48	32.06	36.49	37.28	49.89	33.49	41.59	37.65	37.96	37.33	40.66
PJM Western hub	36.49	35.41	43.27	42.17	35.76	35.89	42.51	39.49	44.62	39.79	47.88	42.43	39.34	38.41	43.68
Midcontinent ISO Illinois hub	31.39	32.13	40.60	33.58	32.52	32.68	39.79	34.62	42.96	39.21	45.03	38.27	34.42	34.90	41.37
SPP ISO South hub	28.96	34.56	46.96	28.50	31.66	37.30	46.81	39.05	42.44	41.91	52.84	42.29	34.74	38.71	44.87
SERC index, Into Southern	30.53	31.66	36.45	30.40	27.96	30.23	34.48	32.33	35.42	32.54	37.58	34.49	32.26	31.25	35.01
FRCC index, Florida Reliability	30.31	33.06	36.79	32.05	30.01	32.18	35.42	34.55	35.22	34.83	38.53	36.09	33.05	33.04	36.17
Northwest index, Mid-Columbia	105.99	58.61	82.36	79.49	99.74	58.52	57.86	66.00	73.33	42.50	62.22	72.29	81.61	70.53	62.58
Southwest index, Palo Verde	84.19	31.60	71.95	50.10	29.62	39.85	48.22	44.36	45.82	34.30	47.45	46.12	59.46	40.51	43.42

Notes: EIA completed modeling and analysis for this report on April 4, 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.