

# STEO Current/Previous Forecast Comparisons: U.S. Energy Production and Consumption Summary

Current Forecast: September 10, 2024; Previous Forecast: August 6, 2024

	2023				2024				2025				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024	2025	2022-2023	2023-2024	2024-2025
<b>U.S. Energy Production</b>																			
<b>Crude Oil Production (million barrels per day)</b>																			
Current	12.67	12.76	13.05	13.25	12.94	13.22	13.38	13.47	13.45	13.60	13.73	13.89	11.99	12.93	13.25	13.67	7.9%	2.5%	3.2%
Previous	12.67	12.76	13.05	13.25	12.94	13.20	13.33	13.44	13.46	13.66	13.76	13.90	11.99	12.93	13.23	13.69	7.9%	2.3%	3.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.2%	0.0%	-0.4%	-0.2%	-0.1%	0.0%	0.0%	0.2%	-0.2%			
<b>Dry Natural Gas Production (billion cubic feet per day)</b>																			
Current	102.2	103.2	104.1	105.5	104.0	102.1	103.3	104.0	103.8	104.5	104.8	105.9	99.6	103.8	103.4	104.8	4.2%	-0.4%	1.3%
Previous	102.2	103.2	104.1	105.5	104.0	101.7	103.6	103.8	103.5	104.4	104.8	105.9	99.6	103.8	103.3	104.6	4.2%	-0.5%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	-0.2%	0.2%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%			
<b>Coal Production (million short tons)</b>																			
Current	148.7	142.3	145.6	140.8	129.9	118.1	127.9	125.1	122.1	107.9	123.7	121.4	594.2	577.5	501.0	475.1	-2.8%	-13.2%	-5.2%
Previous	148.7	142.3	145.6	140.8	129.9	110.2	130.9	128.0	123.1	107.5	123.3	120.1	594.2	577.5	499.0	474.0	-2.8%	-13.6%	-5.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%	-2.3%	-2.3%	-0.8%	0.3%	0.3%	1.1%	0.0%	0.0%	0.4%	0.2%			
<b>U.S. Energy Consumption</b>																			
<b>Petroleum and Other Liquid Fuels Consumption (million barrels per day)</b>																			
Current	19.8	20.3	20.3	20.6	19.8	20.4	20.5	20.7	20.3	20.7	20.8	20.8	20.0	20.3	20.3	20.6	1.3%	0.3%	1.5%
Previous	19.7	20.4	20.4	20.6	19.8	20.5	20.8	20.7	20.3	20.6	20.8	20.8	20.0	20.2	20.5	20.6	1.2%	1.0%	0.9%
Percent Change	0.9%	-0.2%	-0.2%	0.1%	0.0%	-0.9%	-1.3%	-0.1%	-0.1%	0.2%	0.0%	0.1%	0.0%	0.1%	-0.6%	0.1%			
<b>Natural Gas Consumption (billion cubic feet per day)</b>																			
Current	103.0	78.0	83.9	91.6	104.0	78.6	83.8	93.1	105.2	77.5	83.2	92.2	88.5	89.1	89.9	89.5	0.7%	0.9%	-0.4%
Previous	103.0	78.0	83.9	91.7	104.0	78.5	83.6	93.0	104.7	77.4	82.6	92.4	88.5	89.1	89.8	89.2	0.7%	0.7%	-0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.1%	0.5%	0.2%	0.7%	-0.2%	0.0%	0.0%	0.1%	0.3%			
<b>Electricity Retail Sales (billion kilowatthours)</b>																			
Current	919	906	1,124	912	939	948	1,138	937	957	959	1,175	954	3,927	3,861	3,962	4,045	-1.7%	2.6%	2.1%
Previous	919	906	1,124	912	939	953	1,136	937	956	964	1,164	951	3,927	3,861	3,965	4,035	-1.7%	2.7%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	0.2%	0.0%	0.1%	-0.4%	0.9%	0.2%	0.0%	0.0%	-0.1%	0.2%			
<b>Total Energy Consumption (quadrillion Btu)</b>																			
Current	24.1	22.0	23.7	23.7	24.4	22.3	23.8	24.0	24.7	22.3	24.2	24.2	94.8	93.6	94.5	95.4	-1.3%	1.0%	0.9%
Previous	24.1	22.0	23.7	23.7	24.4	22.3	23.9	24.1	24.7	22.3	24.0	24.1	94.8	93.6	94.6	95.1	-1.3%	1.1%	0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-0.4%	0.0%	0.2%	0.3%	0.4%	0.4%	0.0%	0.0%	-0.1%	0.3%			
<b>U.S. Macroeconomic and Weather</b>																			
<b>Real Gross Domestic Product (billion chained 2017 dollars)</b>																			
Current	22,112	22,225	22,491	22,679	22,759	22,925	23,031	23,122	23,203	23,319	23,420	23,536	21,822	22,377	22,959	23,369	2.5%	2.6%	1.8%
Previous	22,112	22,225	22,491	22,679	22,759	22,873	22,969	23,056	23,136	23,237	23,332	23,443	21,822	22,377	22,914	23,287	2.5%	2.4%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.3%	0.3%	0.4%	0.4%	0.4%	0.0%	0.0%	0.2%	0.4%			
<b>Manufacturing Production Index (index 2017 = 100)</b>																			
Current	100.0	100.1	100.0	99.7	99.4	100.0	100.2	100.5	100.6	101.2	101.6	102.2	100.3	100.0	100.0	101.4	-0.4%	0.1%	1.4%
Previous	100.0	100.1	100.0	99.7	99.5	99.9	100.5	100.9	101.0	101.5	101.8	102.4	100.3	100.0	100.2	101.7	-0.4%	0.2%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	-0.3%	-0.4%	-0.4%	-0.3%	-0.2%	-0.2%	0.0%	0.0%	-0.2%	-0.2%			
<b>Heating Degree Days</b>																			
Current	1,922	485	61	1,335	1,906	413	63	1,450	1,988	469	74	1,443	4,245	3,803	3,832	3,975	-10.4%	0.8%	3.7%
Previous	1,922	485	60	1,336	1,905	413	69	1,450	1,989	469	74	1,443	4,245	3,803	3,836	3,975	-10.4%	0.9%	3.6%
Percent Change	0.0%	-0.1%	1.0%	-0.1%	0.1%	0.0%	-9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%			
<b>Cooling Degree Days</b>																			
Current	68	362	942	104	53	496	915	105	51	446	967	106	1,556	1,476	1,570	1,569	-5.1%	6.3%	0.0%
Previous	68	362	942	104	53	497	932	105	51	446	967	106	1,556	1,476	1,586	1,569	-5.1%	7.4%	-1.1%
Percent Change	0.2%	0.0%	0.0%	0.0%	0.4%	-0.1%	-1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	0.0%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.gov/outlooks/steo/>)

## STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: September 10, 2024; Previous Forecast: August 6, 2024

	2023				2024				2025				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024	2025	2022-2023	2023-2024	2024-2025
<b>Petroleum</b>																			
<b>WTI spot (\$/barrel)</b>																			
Current	75.96	73.49	82.25	78.63	77.50	81.77	78.23	77.64	79.02	80.50	80.50	78.50	94.91	77.58	78.80	79.63	-18.3%	1.6%	1.1%
Previous	75.96	73.49	82.25	78.63	77.50	81.77	79.95	81.47	84.16	81.83	80.50	78.50	94.91	77.58	80.21	81.21	-18.3%	3.4%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.2%	-4.7%	-6.1%	-1.6%	0.0%	0.0%	0.0%	0.0%	-1.7%	-1.9%			
<b>Brent spot average (\$/barrel)</b>																			
Current	81.04	78.02	86.64	83.93	82.96	84.72	81.89	81.64	83.34	85.00	85.00	83.00	100.94	82.41	82.80	84.09	-18.4%	0.5%	1.6%
Previous	81.04	78.02	86.64	83.93	82.96	84.72	84.06	85.97	88.66	86.33	85.00	83.00	100.94	82.41	84.44	85.71	-18.4%	2.5%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.6%	-5.0%	-6.0%	-1.5%	0.0%	0.0%	0.0%	0.0%	-1.9%	-1.9%			
<b>U.S. wholesale gasoline price (\$/gallon)</b>																			
Current	2.62	2.65	2.96	2.33	2.46	2.58	2.35	2.21	2.27	2.52	2.55	2.30	3.09	2.64	2.40	2.41	-14.5%	-9.1%	0.6%
Previous	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	2.62	3.09	2.64	2.46	2.45	-14.5%	-6.7%	-0.4%
Percent Change	0.0%	1.0%	13.0%	-11.0%	-6.2%	-1.4%	-10.1%	-15.7%	-13.5%	-3.7%	-2.6%	-12.0%	0.0%	0.0%	-2.6%	-1.6%			
<b>U.S. wholesale diesel price (\$/gallon)</b>																			
Current	2.95	2.45	3.09	2.84	2.70	2.51	2.33	2.32	2.41	2.40	2.53	2.53	3.58	2.83	2.46	2.47	-21.0%	-13.0%	0.2%
Previous	2.95	2.45	3.09	2.84	2.70	2.51	2.46	2.54	2.66	2.50	2.61	2.59	3.58	2.83	2.55	2.59	-20.9%	-9.9%	1.4%
Percent Change	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.4%	-8.6%	-9.3%	-4.2%	-2.8%	-2.4%	0.0%	0.0%	-3.5%	-4.7%			
<b>U.S. propane, Mt. Belvieu spot price (\$/gallon)</b>																			
Current	0.82	0.68	0.68	0.67	0.84	0.75	0.78	0.79	0.81	0.85	0.86	0.83	1.10	0.71	0.79	0.84	-35.5%	10.8%	6.3%
Previous	0.82	0.68	0.68	0.67	0.84	0.75	0.81	0.83	0.86	0.85	0.84	0.81	1.10	0.71	0.81	0.84	-35.5%	13.7%	4.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-4.6%	-5.2%	-5.3%	-0.5%	2.3%	2.4%	0.0%	0.0%	-2.5%	-0.3%			
<b>U.S. gasoline, regular-grade retail including taxes (\$/gallon)</b>																			
Current	3.38	3.58	3.76	3.36	3.24	3.56	3.38	3.12	3.11	3.39	3.43	3.21	3.97	3.52	3.33	3.29	-11.3%	-5.5%	-1.2%
Previous	3.38	3.58	3.76	3.36	3.24	3.56	3.44	3.25	3.24	3.45	3.43	3.20	3.97	3.52	3.38	3.33	-11.3%	-4.2%	-1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.8%	-4.0%	-4.0%	-1.6%	-0.2%	0.2%	0.0%	0.0%	-1.4%	-1.4%			
<b>U.S. diesel, retail including taxes (\$/gallon)</b>																			
Current	4.40	3.94	4.28	4.25	3.97	3.85	3.71	3.61	3.68	3.68	3.76	3.81	4.99	4.22	3.78	3.73	-15.5%	-10.3%	-1.3%
Previous	4.40	3.94	4.28	4.25	3.97	3.85	3.77	3.79	3.91	3.82	3.84	3.88	4.99	4.22	3.84	3.87	-15.5%	-8.9%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-1.6%	-4.8%	-6.0%	-3.7%	-2.0%	-2.0%	0.0%	0.0%	-1.6%	-3.4%			
<b>U.S. Natural Gas</b>																			
<b>Henry Hub spot (\$ per million Btu)</b>																			
Current	2.65	2.16	2.59	2.74	2.13	2.08	2.02	2.52	3.01	2.90	3.28	3.36	6.42	2.54	2.19	3.14	-60.5%	-13.7%	43.3%
Previous	2.65	2.16	2.59	2.74	2.13	2.09	2.20	2.78	3.23	3.04	3.38	3.43	6.42	2.54	2.30	3.27	-60.5%	-9.4%	42.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-8.2%	-9.2%	-6.6%	-4.6%	-3.0%	-2.1%	0.0%	0.0%	-4.8%	-4.0%			
<b>Residential retail (\$ per thousand cubic feet)</b>																			
Current	14.72	16.19	22.33	13.72	12.76	17.04	22.41	13.23	12.03	14.80	20.79	13.01	14.77	15.19	14.22	13.39	2.8%	-6.4%	-5.8%
Previous	14.72	16.19	22.33	13.72	12.76	16.96	21.52	12.69	11.55	14.13	19.90	12.48	14.77	15.19	13.96	12.84	2.8%	-8.0%	-8.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	4.2%	4.3%	4.2%	4.7%	4.5%	4.2%	0.0%	0.0%	1.8%	4.3%			
<b>U.S. Electric Utilities Fuel Costs (\$ per million Btu)</b>																			
<b>Coal</b>																			
Current	2.57	2.49	2.51	2.51	2.49	2.54	2.52	2.48	2.49	2.48	2.49	2.46	2.37	2.52	2.51	2.48	6.5%	-0.4%	-1.1%
Previous	2.57	2.49	2.51	2.51	2.49	2.56	2.56	2.52	2.53	2.51	2.51	2.48	2.37	2.52	2.53	2.51	6.5%	0.6%	-1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-1.7%	-1.5%	-1.3%	-1.1%	-1.1%	-0.9%	0.0%	0.0%	-1.0%	-1.1%			
<b>Natural Gas</b>																			
Current	4.98	2.60	2.92	3.19	3.40	2.37	2.34	2.91	3.54	3.07	3.36	3.65	7.23	3.35	2.71	3.40	-53.7%	-18.9%	25.2%
Previous	4.98	2.60	2.92	3.19	3.40	2.31	2.40	3.12	3.76	3.21	3.47	3.71	7.23	3.35	2.76	3.53	-53.7%	-17.4%	27.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	-2.3%	-6.7%	-5.9%	-4.3%	-3.2%	-1.8%	0.0%	0.0%	-1.9%	-3.7%			
<b>Residual Fuel Oil</b>																			
Current	19.24	17.88	19.16	20.84	18.84	18.54	15.31	14.43	15.02	15.88	15.48	15.27	21.58	19.32	16.83	15.36	-10.5%	-12.9%	-8.7%
Previous	19.24	17.88	19.16	20.84	18.84	18.43	15.43	15.30	16.05	16.59	15.73	15.42	21.58	19.32	17.01	15.91	-10.5%	-11.9%	-6.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-0.8%	-5.7%	-6.5%	-4.3%	-1.6%	-1.0%	0.0%	0.0%	-1.1%	-3.4%			
<b>U.S. Residential Retail Electricity (cents per kilowatthour)</b>																			
Current	15.8	16.1	16.0	16.0	16.0	16.5	16.4	15.9	16.1	16.9	16.6	16.4	15.0	16.0	16.2	16.5	6.3%	1.5%	1.6%
Previous	15.8	16.1	16.0	16.0	16.0	16.5	16.2	15.9	16.1	16.8	16.6	16.4	15.0	16.0	16.2	16.5	6.3%	1.1%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.7%	0.2%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.4%	0.2%			

Prices are not adjusted for inflation.

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.gov/outlooks/steo/>)

## STEO Current/Previous Forecast Comparisons: International Crude Oil and Liquid Fuels

Current Forecast: September 10, 2024; Previous Forecast: August 6, 2024

	2023				2024				2025				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024	2025	2022-2023	2023-2024	2024-2025
<b>World Crude Oil and Liquid Fuels Production (million barrels per day)</b>																			
<b>OPEC+</b>																			
Current	45.0	44.2	42.8	43.1	43.0	42.2	42.2	42.1	42.8	43.1	43.5	43.3	45.1	43.8	42.4	43.2	-3.0%	-3.2%	1.9%
Previous	45.0	44.2	42.8	43.1	42.9	42.2	42.3	42.5	42.8	43.2	43.5	43.4	45.0	43.8	42.5	43.2	-2.8%	-2.9%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	-0.3%	-0.8%	-0.1%	-0.1%	0.1%	-0.2%	0.1%	0.0%	-0.2%	-0.1%			
<b>OPEC</b>																			
Current	32.7	32.4	31.6	31.9	32.0	31.9	31.7	31.5	32.2	32.5	32.8	32.7	32.9	32.2	31.8	32.6	-2.1%	-1.2%	2.5%
Previous	32.8	32.5	31.6	31.9	32.0	31.9	32.1	32.0	32.1	32.4	32.7	32.5	32.9	32.2	32.0	32.4	-2.3%	-0.6%	1.4%
Percent Change	-0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	-1.7%	0.4%	0.4%	0.2%	0.5%	-0.2%	-0.1%	-0.7%	0.4%			
<b>Non-OPEC Production</b>																			
Current	68.8	69.0	70.0	71.0	69.7	70.2	70.8	71.0	70.9	71.7	72.6	72.9	67.4	69.7	70.4	72.0	3.5%	1.0%	2.3%
Previous	68.4	69.0	70.0	71.0	69.7	70.2	70.6	70.9	70.8	71.7	72.5	72.9	67.1	69.6	70.4	72.0	3.7%	1.1%	2.3%
Percent Change	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.1%	0.1%	0.0%	0.1%	-0.1%	0.3%	0.1%	0.1%	0.0%			
<b>Total World Production</b>																			
Current	101.5	101.5	101.7	102.8	101.7	102.1	102.5	102.5	103.2	104.3	105.4	105.5	100.2	101.9	102.2	104.6	1.6%	0.3%	2.4%
Previous	101.2	101.5	101.7	102.8	101.8	102.1	102.7	102.9	103.0	104.1	105.2	105.4	100.1	101.8	102.4	104.4	1.7%	0.6%	2.0%
Percent Change	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.4%	0.2%	0.1%	0.2%	0.1%	0.1%	0.1%	-0.2%	0.1%			
<b>World Crude Oil and Liquid Fuels Consumption (million barrels per day)</b>																			
<b>OECD (Organization for Economic Cooperation and Development) Consumption</b>																			
Current	45.3	45.5	45.9	46.0	44.8	45.5	46.0	46.3	45.6	45.4	46.2	46.4	45.6	45.7	45.6	45.9	0.3%	-0.1%	0.6%
Previous	45.1	45.6	45.9	46.0	44.8	45.4	46.2	46.3	45.7	45.4	46.2	46.4	45.6	45.6	45.7	45.9	0.2%	0.1%	0.5%
Percent Change	0.4%	-0.1%	-0.1%	0.0%	0.0%	0.1%	-0.6%	0.0%	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.1%	-0.1%	-0.1%			
<b>Non-OECD Consumption</b>																			
Current	56.0	56.6	56.7	56.6	57.4	57.6	57.5	57.4	58.5	58.9	58.7	58.7	54.5	56.5	57.4	58.7	3.6%	1.7%	2.2%
Previous	55.7	56.3	56.3	56.3	57.0	57.4	57.3	57.3	58.4	58.8	58.7	58.7	54.3	56.2	57.2	58.6	3.4%	1.9%	2.4%
Percent Change	0.6%	0.6%	0.6%	0.5%	0.6%	0.3%	0.3%	0.3%	0.2%	0.1%	0.1%	0.1%	0.4%	0.6%	0.4%	0.1%			
<b>China Consumption</b>																			
Current	16.3	16.6	16.2	16.5	16.8	16.7	16.2	16.5	16.9	16.9	16.5	16.8	15.4	16.4	16.5	16.8	6.8%	0.7%	1.6%
Previous	16.0	16.2	15.9	16.1	16.5	16.4	16.1	16.4	16.7	16.8	16.4	16.7	15.1	16.1	16.3	16.7	6.0%	1.8%	2.0%
Percent Change	1.9%	2.1%	2.2%	2.3%	1.6%	1.7%	0.5%	0.5%	1.1%	0.7%	0.5%	0.5%	1.4%	2.1%	1.1%	0.7%			
<b>Total World Consumption</b>																			
Current	101.3	102.1	102.6	102.6	102.2	103.0	103.4	103.7	104.1	104.3	104.9	105.1	100.0	102.1	103.1	104.6	2.1%	0.9%	1.5%
Previous	100.8	101.8	102.3	102.3	101.8	102.8	103.5	103.6	104.0	104.2	104.9	105.1	99.8	101.8	102.9	104.5	2.0%	1.1%	1.6%
Percent Change	0.5%	0.3%	0.3%	0.3%	0.3%	0.2%	-0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.2%	0.3%	0.1%	0.0%			
<b>Closing Stocks (million barrels)</b>																			
<b>OECD Commercial Inventory</b>																			
Current	2,748	2,781	2,816	2,766	2,757	2,828	2,792	2,729	2,699	2,720	2,738	2,733	2,771	2,766	2,729	2,733	-0.2%	-1.4%	0.2%
Previous	2,746	2,782	2,815	2,776	2,756	2,761	2,728	2,685	2,654	2,677	2,689	2,682	2,767	2,776	2,685	2,682	0.3%	-3.3%	-0.1%
Percent Change	0.1%	0.0%	0.1%	-0.3%	0.1%	2.5%	2.3%	1.6%	1.7%	1.6%	1.8%	1.9%	0.1%	-0.3%	1.6%	1.9%			
<b>OPEC Surplus Production Capacity and World Macroeconomic</b>																			
<b>OPEC Surplus Crude Oil Production Capacity (million barrels per day)</b>																			
Current	3.1	3.1	4.2	4.3	4.4	4.6	4.6	4.6	4.2	4.1	3.9	4.0	2.4	3.7	4.5	4.1	52.6%	23.0%	-10.0%
Previous	3.1	3.1	4.2	4.3	4.4	4.6	4.3	4.3	4.2	4.1	3.9	4.1	2.4	3.7	4.4	4.1	52.9%	19.9%	-7.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	4.8%	5.7%	-0.3%	-0.6%	0.5%	-1.7%	0.1%	0.0%	2.6%	-0.5%			
<b>World GDP Growth (annualized percent change)</b>																			
Current	2.7	3.5	3.2	3.3	3.2	3.1	3.1	3.1	3.1	3.1	3.2	3.3	3.3	3.2	3.1	3.2			
Previous	2.7	3.5	3.2	3.3	3.2	3.0	3.0	3.1	3.0	3.3	3.4	3.4	3.3	3.2	3.0	3.3			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.gov/outlooks/steo/>)

## STEO Current/Previous Forecast Comparisons: U.S. Petroleum and Other Liquid Fuels

Current Forecast: September 10, 2024; Previous Forecast: August 6, 2024

	2023				2024				2025				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024	2025	2022-2023	2023-2024	2024-2025
<b>U.S. Supply (million barrels per day)</b>																			
<b>Crude Oil Production</b>																			
Current	12.67	12.76	13.05	13.25	12.94	13.22	13.38	13.47	13.45	13.60	13.73	13.89	11.99	12.93	13.25	13.67	7.9%	2.5%	3.2%
Previous	12.67	12.76	13.05	13.25	12.94	13.20	13.33	13.44	13.46	13.66	13.76	13.90	11.99	12.93	13.23	13.69	7.9%	2.3%	3.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.2%	0.0%	-0.4%	-0.2%	-0.1%	0.0%	0.0%	0.2%	-0.2%			
<b>Natural Gas Plant Liquids Production</b>																			
Current	6.17	6.43	6.64	6.74	6.51	7.01	6.66	6.65	6.63	6.79	6.80	6.91	5.93	6.50	6.71	6.78	9.5%	3.2%	1.2%
Previous	6.01	6.42	6.58	6.70	6.51	6.81	6.60	6.57	6.58	6.74	6.74	6.82	5.93	6.43	6.62	6.72	8.4%	3.0%	1.4%
Percent Change	2.7%	0.0%	0.9%	0.7%	0.0%	2.9%	0.9%	1.1%	0.8%	0.7%	0.9%	1.4%	0.0%	1.1%	1.3%	1.0%			
<b>Ethanol Production</b>																			
Current	1.00	1.00	1.01	1.05	1.04	1.01	1.06	1.04	1.04	1.03	1.02	1.04	1.00	1.02	1.04	1.03	1.4%	2.2%	-0.4%
Previous	1.00	1.00	1.02	1.05	1.04	1.02	1.03	1.02	1.02	1.02	1.02	1.04	1.00	1.02	1.03	1.02	1.7%	1.0%	-0.5%
Percent Change	-0.4%	-0.4%	-0.2%	0.0%	0.0%	-0.4%	2.4%	1.6%	1.7%	1.3%	0.4%	0.6%	0.0%	-0.3%	0.9%	1.0%			
<b>Total Petroleum and Other Liquid Fuel Net Imports</b>																			
Current	-1.46	-1.35	-1.69	-2.33	-2.41	-1.78	-2.27	-2.66	-2.69	-2.32	-2.58	-3.21	-1.19	-1.71	-2.28	-2.70	43.5%	33.4%	18.5%
Previous	-1.64	-1.20	-1.42	-2.28	-2.41	-1.49	-1.88	-2.49	-2.71	-2.35	-2.57	-3.19	-1.19	-1.64	-2.07	-2.71	37.4%	26.4%	31.0%
Percent Change	-11.2%	12.5%	18.4%	2.5%	0.0%	19.6%	20.9%	6.6%	-0.9%	-1.2%	0.3%	0.6%	0.0%	4.4%	10.3%	-0.2%			
<b>U.S. Consumption (million barrels per day)</b>																			
<b>Gasoline</b>																			
Current	8.69	9.13	9.02	8.94	8.57	9.12	9.14	8.86	8.66	9.15	9.05	8.79	8.81	8.94	8.92	8.91	1.5%	-0.3%	-0.1%
Previous	8.67	9.13	9.05	8.93	8.57	9.22	9.17	8.81	8.63	9.09	9.08	8.77	8.81	8.94	8.94	8.89	1.5%	0.0%	-0.6%
Percent Change	0.2%	0.0%	-0.3%	0.1%	0.0%	-1.1%	-0.4%	0.5%	0.3%	0.6%	-0.3%	0.2%	0.0%	0.0%	-0.3%	0.2%			
<b>Distillate Fuel Oil</b>																			
Current	4.03	3.92	3.83	3.88	3.82	3.73	3.84	3.94	3.98	3.95	3.94	4.00	4.03	3.92	3.83	3.97	-2.7%	-2.2%	3.5%
Previous	4.01	3.93	3.90	3.90	3.82	3.79	3.91	3.94	3.98	3.96	3.95	4.01	4.03	3.93	3.87	3.98	-2.3%	-1.7%	2.9%
Percent Change	0.5%	-0.1%	-1.8%	-0.3%	0.0%	-1.8%	-1.7%	-0.2%	0.0%	-0.3%	-0.4%	-0.4%	0.0%	-0.4%	-0.9%	-0.3%			
<b>Jet Fuel</b>																			
Current	1.55	1.68	1.72	1.66	1.58	1.73	1.73	1.70	1.64	1.80	1.81	1.78	1.56	1.65	1.69	1.75	6.0%	2.0%	4.1%
Previous	1.55	1.67	1.72	1.66	1.58	1.76	1.75	1.73	1.64	1.78	1.81	1.77	1.56	1.65	1.71	1.75	5.9%	3.3%	2.6%
Percent Change	0.5%	0.2%	-0.4%	0.2%	0.0%	-1.5%	-1.0%	-2.0%	0.1%	0.8%	0.1%	0.1%	0.0%	0.1%	-1.1%	0.3%			
<b>Hydrocarbon Gas Liquids</b>																			
Current	3.53	3.32	3.32	3.85	3.80	3.39	3.34	3.88	3.87	3.40	3.52	3.98	3.36	3.50	3.60	3.69	4.4%	2.8%	2.5%
Previous	3.40	3.36	3.25	3.81	3.80	3.37	3.40	3.85	3.87	3.42	3.46	3.91	3.36	3.46	3.60	3.66	2.9%	4.2%	1.7%
Percent Change	3.9%	-1.2%	2.1%	0.9%	0.0%	0.6%	-1.9%	1.0%	0.1%	-0.5%	1.8%	1.6%	0.0%	1.4%	0.0%	0.8%			
<b>Total Petroleum and Other Liquid Fuels</b>																			
Current	19.83	20.35	20.32	20.59	19.80	20.36	20.51	20.65	20.25	20.66	20.82	20.82	20.01	20.28	20.33	20.64	1.3%	0.3%	1.5%
Previous	19.66	20.38	20.37	20.56	19.80	20.53	20.79	20.67	20.26	20.63	20.82	20.79	20.01	20.25	20.45	20.63	1.2%	1.0%	0.9%
Percent Change	0.9%	-0.2%	-0.2%	0.1%	0.0%	-0.9%	-1.3%	-0.1%	-0.1%	0.2%	0.0%	0.1%	0.0%	0.1%	-0.6%	0.1%			
<b>U.S. Closing Stocks (million barrels)</b>																			
<b>Crude Oil</b>																			
Current	465.2	454.7	417.9	426.5	447.2	440.2	417.0	418.0	442.2	431.8	415.9	423.8	430.1	426.5	418.0	423.8	-0.8%	-2.0%	1.4%
Previous	465.4	454.7	417.5	426.4	447.2	445.1	421.3	424.7	448.7	437.5	420.8	428.5	430.1	426.4	424.7	428.5	-0.9%	-0.4%	0.9%
Percent Change	0.0%	0.0%	0.1%	0.0%	0.0%	-1.1%	-1.0%	-1.6%	-1.5%	-1.3%	-1.2%	-1.1%	0.0%	0.0%	-1.6%	-1.1%			
<b>Total Gasoline</b>																			
Current	225.2	222.1	227.9	240.7	233.4	232.4	221.1	237.2	235.5	228.6	224.5	239.9	224.4	240.7	237.2	239.9	7.3%	-1.5%	1.2%
Previous	225.3	223.2	227.6	241.3	233.4	229.7	220.5	237.1	235.4	230.0	225.8	241.4	224.4	241.3	237.1	241.4	7.5%	-1.8%	1.8%
Percent Change	-0.1%	-0.5%	0.1%	-0.3%	0.0%	1.2%	0.3%	0.0%	0.0%	-0.6%	-0.6%	-0.6%	0.0%	-0.3%	0.0%	-0.6%			
<b>Distillate Fuel Oil</b>																			
Current	111.7	112.0	118.8	130.5	121.2	123.1	117.3	122.6	115.8	117.4	116.3	117.7	118.9	130.5	122.6	117.7	9.7%	-6.1%	-4.0%
Previous	112.3	112.6	119.2	130.7	121.2	124.6	121.4	126.7	118.2	119.9	118.2	119.2	118.9	130.7	126.7	119.2	9.9%	-3.1%	-5.9%
Percent Change	-0.5%	-0.5%	-0.3%	-0.2%	0.0%	-1.2%	-3.4%	-3.2%	-2.1%	-2.1%	-1.6%	-1.3%	0.0%	-0.2%	-3.2%	-1.3%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.gov/outlooks/steo/>)

## STEO Current/Previous Forecast Comparisons: U.S. Natural Gas

Current Forecast: September 10, 2024; Previous Forecast: August 6, 2024

	2023				2024				2025				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024	2025	2022-2023	2023-2024	2024-2025
<b>U.S. Supply (billion cubic feet per day)</b>																			
<b>Total Marketed Production</b>																			
Current	111.2	112.5	113.6	115.2	113.4	112.2	112.9	113.6	113.4	114.3	114.6	115.9	108.0	113.1	113.0	114.5	4.7%	-0.1%	1.4%
Previous	111.2	112.5	113.6	115.2	113.4	111.7	113.0	113.3	113.0	114.1	114.5	115.7	108.0	113.1	112.8	114.3	4.7%	-0.3%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	-0.1%	0.3%	0.3%	0.2%	0.1%	0.2%	0.0%	0.0%	0.2%	0.2%			
<b>Federal GOM Marketed Production</b>																			
Current	2.1	1.9	2.0	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	2.1	2.0	1.8	1.8	-5.6%	-8.2%	-3.2%
Previous	2.1	1.9	2.0	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	2.1	2.0	1.8	1.7	-5.6%	-9.6%	-3.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	4.1%	2.8%	2.4%	2.6%	2.9%	1.5%	0.0%	0.0%	1.6%	2.3%			
<b>Lower 48 ex GOM Marketed Production</b>																			
Current	108.0	109.6	110.7	112.2	110.4	109.4	110.1	110.8	110.6	111.6	111.9	113.1	104.9	110.1	110.2	111.8	5.0%	0.0%	1.5%
Previous	108.0	109.6	110.7	112.2	110.4	108.8	110.3	110.5	110.2	111.4	111.9	113.0	104.9	110.1	110.0	111.6	5.0%	-0.1%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	-0.2%	0.2%	0.3%	0.1%	0.0%	0.1%	0.0%	0.0%	0.1%	0.2%			
<b>Pipeline Gross Imports</b>																			
Current	8.4	7.3	7.9	8.2	8.9	7.8	7.9	7.9	8.6	7.4	7.6	7.9	8.2	8.0	8.1	7.9	-2.9%	1.9%	-3.4%
Previous	8.4	7.3	7.9	8.2	9.0	7.6	7.5	7.6	8.3	7.0	7.2	7.5	8.2	8.0	7.9	7.5	-2.8%	-1.0%	-5.1%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-0.2%	2.3%	5.2%	4.6%	3.1%	5.7%	5.2%	5.1%	0.0%	0.0%	2.9%	4.7%			
<b>LNG Gross Imports</b>																			
Current	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	-39.7%	40.2%	1.1%
Previous	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	-39.7%	48.4%	-4.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-92.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.5%	0.0%			
<b>Gross Exports</b>																			
Current	20.4	20.5	20.6	21.9	21.8	20.4	20.9	22.6	23.2	23.3	23.6	25.0	18.9	20.9	21.4	23.8	10.2%	2.7%	11.1%
Previous	20.4	20.5	20.6	21.9	21.8	20.5	20.9	22.7	23.2	23.3	24.3	24.9	18.9	20.9	21.5	23.9	10.2%	3.0%	11.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.4%	-0.5%	0.0%	-0.2%	-2.7%	0.6%	0.0%	0.0%	-0.3%	-0.6%			
<b>U.S. Consumption (billion cubic feet per day)</b>																			
<b>Residential</b>																			
Current	23.5	7.3	3.6	15.0	22.8	6.7	3.7	16.1	24.2	7.3	3.8	16.1	13.6	12.3	12.3	12.8	-9.7%	0.3%	4.0%
Previous	23.5	7.3	3.6	15.0	22.8	6.6	3.7	16.1	24.2	7.3	3.8	16.1	13.6	12.3	12.3	12.8	-9.7%	0.2%	4.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	-1.5%	0.0%	0.1%	0.6%	-0.3%	0.2%	0.0%	0.0%	0.1%	0.1%			
<b>Commercial</b>																			
Current	14.5	6.4	4.7	10.7	14.3	6.4	5.1	11.4	15.1	6.8	5.3	11.4	9.6	9.1	9.3	9.6	-5.7%	2.4%	3.7%
Previous	14.5	6.4	4.7	10.7	14.3	6.3	5.2	11.4	15.1	6.7	5.3	11.4	9.6	9.1	9.3	9.6	-5.7%	2.3%	3.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	-1.2%	0.2%	0.1%	0.4%	-0.4%	0.3%	0.0%	0.0%	0.1%	0.2%			
<b>Industrial</b>																			
Current	24.8	22.4	22.0	24.3	24.9	22.3	21.8	23.9	24.9	22.2	21.9	24.2	23.4	23.4	23.2	23.3	0.0%	-0.7%	0.3%
Previous	24.8	22.4	22.0	24.3	24.9	22.3	21.9	23.9	24.7	21.7	21.5	23.8	23.4	23.4	23.3	22.9	0.0%	-0.6%	-1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.4%	-0.1%	0.8%	2.2%	1.8%	1.7%	0.0%	0.0%	-0.1%	1.6%			
<b>Electric Power Sector</b>																			
Current	30.8	33.4	44.8	32.6	32.5	34.7	44.4	32.5	31.3	32.7	43.4	31.3	33.1	35.4	36.1	34.7	6.9%	1.8%	-3.8%
Previous	30.8	33.4	44.8	32.6	32.5	34.8	44.0	32.4	31.1	33.1	43.1	31.9	33.1	35.4	36.0	34.8	6.9%	1.5%	-3.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.9%	0.3%	0.8%	-1.3%	0.5%	-1.9%	0.0%	0.0%	0.3%	-0.4%			
<b>Total Consumption</b>																			
Current	103.0	78.0	83.9	91.6	104.0	78.6	83.8	93.1	105.2	77.5	83.2	92.2	88.5	89.1	89.9	89.5	0.7%	0.9%	-0.4%
Previous	103.0	78.0	83.9	91.7	104.0	78.5	83.6	93.0	104.7	77.4	82.6	92.4	88.5	89.1	89.8	89.2	0.7%	0.7%	-0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.1%	0.5%	0.2%	0.7%	-0.2%	0.0%	0.0%	0.1%	0.3%			
<b>U.S. Working Gas in Storage (billion cubic feet)</b>																			
Current	1,850	2,902	3,490	3,457	2,306	3,175	3,676	3,285	1,942	2,942	3,536	3,224	2,925	3,457	3,285	3,224	18.2%	-5.0%	-1.9%
Previous	1,850	2,902	3,490	3,457	2,301	3,179	3,706	3,314	1,963	2,956	3,573	3,250	2,925	3,457	3,314	3,250	18.2%	-4.1%	-1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.2%	-0.1%	-0.8%	-0.9%	-1.0%	-0.5%	-1.0%	-0.8%	0.0%	0.0%	-0.9%	-0.8%			
<b>U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)</b>																			
Current	0.4	-0.4	-1.4	-0.6	-0.2	-1.3	-1.4	-0.7	0.9	-0.3	0.6	-0.1	-1.5	-0.5	-0.9	0.3			
Previous	0.4	-0.4	-1.4	-0.6	-0.2	-0.8	-1.0	-0.2	0.8	0.1	1.3	0.2	-1.5	-0.5	-0.6	0.6			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.gov/outlooks/steo/>)

**STEO Current/Previous Forecast Comparisons: U.S. Electricity**  
**Current Forecast: September 10, 2024; Previous Forecast: August 6, 2024**

	2023				2024				2025				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024	2025	2022-2023	2023-2024	2024-2025
<b>U.S. Electricity Generation, Electric Power Sector (billion kilowatthours)</b>																			
<b>Total Generation</b>																			
Current	949	947	1168	958	984	1008	1170	981	991	1010	1209	994	4,074	4,022	4,143	4,203	-1.3%	3.0%	1.5%
Previous	949	947	1168	958	984	1007	1175	982	991	1007	1202	992	4,074	4,022	4,148	4,193	-1.3%	3.1%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-0.4%	-0.2%	0.0%	0.3%	0.5%	0.1%	0.0%	0.0%	-0.1%	0.3%			
<b>Coal</b>																			
Current	157	141	216	157	157	144	203	156	159	128	219	165	826	671	660	671	-18.8%	-1.5%	1.6%
Previous	157	141	216	157	157	147	206	160	161	127	214	157	826	671	670	659	-18.8%	-0.2%	-1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.3%	-1.2%	-2.2%	-1.2%	1.0%	2.4%	5.2%	0.0%	0.0%	-1.4%	1.9%			
<b>Natural gas</b>																			
Current	368	395	538	395	395	410	533	392	375	386	519	377	1,583	1,695	1,730	1,657	7.1%	2.0%	-4.2%
Previous	368	395	538	395	395	411	530	392	373	393	519	386	1,583	1,695	1,728	1,671	7.1%	1.9%	-3.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	0.7%	0.0%	0.5%	-1.8%	0.1%	-2.5%	0.0%	0.0%	0.1%	-0.8%			
<b>Petroleum</b>																			
Current	4	3	5	4	4	4	5	5	4	3	4	5	22	16	17	17	-28.5%	6.8%	-0.6%
Previous	4	3	5	4	4	3	5	5	4	3	4	5	22	16	16	16	-28.5%	4.2%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	11.6%	0.4%	-0.5%	-0.3%	3.8%	0.3%	0.0%	0.0%	0.0%	2.5%	0.8%			
<b>Nuclear</b>																			
Current	194	183	205	193	197	190	203	195	198	193	209	197	772	775	786	797	0.5%	1.4%	1.4%
Previous	194	183	205	193	197	191	207	192	198	193	209	196	772	775	787	795	0.5%	1.5%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-1.7%	1.4%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	-0.2%	0.2%			
<b>Conventional Hydroelectric</b>																			
Current	61	64	59	55	63	62	56	56	65	75	64	59	254	239	237	263	-5.9%	-0.6%	10.9%
Previous	61	64	59	55	63	63	57	57	66	75	64	59	254	239	241	264	-5.9%	0.9%	9.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.0%	-1.8%	-2.0%	-1.0%	-0.6%	-0.1%	-0.1%	0.0%	0.0%	-1.4%	-0.5%			
<b>Other Renewables</b>																			
Current	165	161	146	154	169	198	170	176	189	226	194	191	617	626	713	799	1.5%	13.8%	12.1%
Previous	165	161	146	154	169	190	171	176	188	217	193	189	617	626	707	788	1.5%	12.9%	11.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%	-0.9%	0.0%	0.2%	4.0%	0.3%	0.6%	0.0%	0.0%	0.9%	1.4%			
<b>U.S. Electricity Sales (billion kilowatthours)</b>																			
<b>Residential</b>																			
Current	355	319	455	325	365	345	458	336	371	344	475	339	1,509	1,455	1,503	1,529	-3.6%	3.3%	1.7%
Previous	355	319	455	325	365	344	459	337	371	343	471	339	1,509	1,455	1,504	1,525	-3.6%	3.4%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.1%	0.1%	0.8%	0.0%	0.0%	0.0%	-0.1%	0.3%			
<b>Commercial</b>																			
Current	322	330	392	331	330	347	398	338	334	348	405	340	1,391	1,375	1,413	1,427	-1.1%	2.7%	1.0%
Previous	322	330	392	331	330	349	396	338	334	349	401	339	1,391	1,375	1,412	1,423	-1.1%	2.7%	0.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.6%	0.1%	0.0%	-0.5%	1.2%	0.1%	0.0%	0.0%	0.0%	0.3%			
<b>Industrial</b>																			
Current	239	256	275	254	243	255	280	262	250	266	293	273	1,020	1,025	1,039	1,083	0.4%	1.4%	4.2%
Previous	239	256	275	254	243	259	279	261	249	269	290	271	1,020	1,025	1,042	1,080	0.4%	1.6%	3.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.5%	0.3%	0.2%	0.5%	-1.1%	0.8%	0.7%	0.0%	0.0%	-0.2%	0.2%			
<b>Total</b>																			
Current	919	906	1124	912	939	948	1138	937	957	959	1175	954	3,927	3,861	3,962	4,045	-1.7%	2.6%	2.1%
Previous	919	906	1124	912	939	953	1136	937	956	964	1164	951	3,927	3,861	3,965	4,035	-1.7%	2.7%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	0.2%	0.0%	0.1%	-0.4%	0.9%	0.2%	0.0%	0.0%	-0.1%	0.2%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.gov/outlooks/steo/>)

## STEO Current/Previous Forecast Comparisons: U.S. Coal and Carbon Dioxide Emissions

Current Forecast: September 10, 2024; Previous Forecast: August 6, 2024

	2023				2024				2025				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024	2025	2022-2023	2023-2024	2024-2025
<b>U.S. Coal (million short tons)</b>																			
<b>Production</b>																			
Current	149	142	146	141	130	118	128	125	122	108	124	121	594	577	501	475	-2.8%	-13.2%	-5.2%
Previous	149	142	146	141	130	110	131	128	123	108	123	120	594	577	499	474	-2.8%	-13.6%	-5.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%	-2.3%	-2.3%	-0.8%	0.3%	0.3%	1.1%	0.0%	0.0%	0.4%	0.2%			
<b>Exports</b>																			
Current	25	25	25	26	27	26	26	27	25	24	26	28	86	100	105	104	16.6%	5.2%	-1.7%
Previous	25	24	25	26	27	25	25	26	24	24	26	30	86	100	103	104	16.1%	3.2%	0.8%
Percent Change	-0.4%	2.5%	-1.0%	0.6%	0.0%	2.6%	4.4%	2.6%	4.2%	2.7%	-2.2%	-4.1%	0.0%	0.4%	2.4%	-0.1%			
<b>Imports</b>																			
Current	1.0	1.0	1.0	1.0	0.3	0.5	0.7	0.7	0.6	0.7	1.1	0.8	6.3	4.0	2.3	3.2	-36.5%	-43.6%	41.1%
Previous	1.0	1.0	1.0	1.0	0.3	0.6	1.1	0.9	0.6	0.7	1.1	0.8	6.3	4.0	2.9	3.2	-36.5%	-28.7%	13.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.6%	-40.0%	-16.7%	-8.5%	-1.7%	0.0%	1.8%	0.0%	0.0%	-20.9%	-1.6%			
<b>Electric Power Demand</b>																			
Current	91	82	123	91	91	82	115	91	91	73	124	96	473	387	379	384	-18.1%	-2.0%	1.2%
Previous	91	82	123	91	91	85	117	92	92	72	121	92	473	387	384	377	-18.1%	-0.8%	-1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-3.0%	-1.1%	-1.1%	-0.4%	0.8%	2.2%	4.5%	0.0%	0.0%	-1.2%	1.9%			
<b>Secondary Stocks</b>																			
Current	113	132	121	136	138	138	125	124	122	126	95	84	93	136	124	84	46.0%	-8.5%	-32.5%
Previous	113	132	121	136	138	134	120	122	122	126	97	88	93	136	122	88	46.0%	-10.1%	-27.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	4.1%	1.8%	0.4%	-0.5%	-2.6%	-5.1%	0.0%	0.0%	1.8%	-5.1%			
<b>U.S. Carbon Dioxide Emissions</b>																			
<b>Petroleum</b>																			
Current	548.2	563.0	570.1	571.7	543.1	565.5	575.0	569.6	550.3	568.3	579.7	573.4	2,250	2,253	2,253	2,272	0.1%	0.0%	0.8%
Previous	548.2	563.0	570.1	571.7	543.1	566.6	574.8	572.5	550.7	568.5	577.3	575.0	2,250	2,253	2,257	2,272	0.1%	0.2%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	-0.5%	-0.1%	0.0%	0.4%	-0.3%	0.0%	0.0%	-0.2%	0.0%			
<b>Coal</b>																			
Current	185.8	167.3	239.6	183.8	183.0	179.6	228.0	185.9	186.3	151.4	244.8	194.9	939	777	777	777	-17.3%	0.0%	0.1%
Previous	185.8	167.3	239.6	183.8	183.0	164.6	230.2	187.6	186.7	150.3	239.4	186.9	939	777	765	763	-17.3%	-1.4%	-0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	9.2%	-1.0%	-0.9%	-0.2%	0.7%	2.2%	4.3%	0.0%	0.0%	1.5%	1.8%			
<b>Natural Gas</b>																			
Current	501.2	382.9	416.4	455.5	511.7	381.5	416.1	462.9	512.4	380.7	413.2	458.4	1,742	1,756	1,772	1,765	0.8%	0.9%	-0.4%
Previous	501.2	382.9	416.4	455.5	511.7	388.4	415.2	462.3	509.9	380.0	410.2	459.2	1,742	1,756	1,778	1,759	0.8%	1.2%	-1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.8%	0.2%	0.1%	0.5%	0.2%	0.7%	-0.2%	0.0%	0.0%	-0.3%	0.3%			
<b>Total Fossil Fuel</b>																			
Current	1,235	1,113	1,226	1,211	1,238	1,127	1,219	1,218	1,249	1,100	1,238	1,227	4,931	4,785	4,802	4,814	-3.0%	0.3%	0.2%
Previous	1,235	1,113	1,226	1,211	1,238	1,120	1,220	1,222	1,247	1,099	1,227	1,221	4,931	4,785	4,800	4,794	-3.0%	0.3%	-0.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-0.1%	-0.3%	0.1%	0.1%	0.9%	0.5%	0.0%	0.0%	0.0%	0.4%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.gov/outlooks/steo/>)

# STEO Current/Previous Forecast Comparisons: U.S. Renewable Energy Consumption and Capacity

Current Forecast: September 10, 2024; Previous Forecast: August 6, 2024

	2023				2024				2025				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2022	2023	2024	2025	2022-2023	2023-2024	2024-2025
<b>U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)</b>																			
<b>Wind Power</b>																			
Current	0.430	0.350	0.289	0.382	0.418	0.426	0.296	0.403	0.434	0.444	0.309	0.420	1.481	1.450	1.543	1.607	-2.1%	6.4%	4.1%
Previous	0.430	0.350	0.289	0.382	0.418	0.398	0.299	0.404	0.433	0.413	0.309	0.417	1.481	1.450	1.518	1.572	-2.1%	4.7%	3.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%	-1.0%	-0.2%	0.3%	7.5%	0.1%	0.6%	0.0%	0.0%	1.6%	2.2%			
<b>Wood Biomass</b>																			
Current	0.493	0.472	0.478	0.475	0.461	0.466	0.510	0.517	0.499	0.498	0.532	0.523	2.012	1.918	1.954	2.052	-4.7%	1.9%	5.0%
Previous	0.493	0.472	0.478	0.475	0.461	0.477	0.522	0.520	0.501	0.504	0.532	0.522	2.012	1.918	1.980	2.059	-4.7%	3.2%	4.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.3%	-2.2%	-0.7%	-0.3%	-1.1%	0.0%	0.1%	0.0%	0.0%	-1.3%	-0.3%			
<b>Solar Power</b>																			
Current	0.162	0.262	0.272	0.181	0.201	0.327	0.356	0.238	0.259	0.417	0.437	0.280	0.765	0.878	1.122	1.393	14.8%	27.9%	24.1%
Previous	0.162	0.262	0.272	0.181	0.201	0.328	0.359	0.237	0.259	0.418	0.435	0.278	0.765	0.878	1.125	1.389	14.8%	28.2%	23.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	-0.6%	0.3%	0.2%	-0.1%	0.4%	0.5%	0.0%	0.0%	-0.3%	0.2%			
<b>Ethanol</b>																			
Current	0.280	0.297	0.299	0.300	0.279	0.294	0.303	0.299	0.279	0.298	0.299	0.298	1.163	1.176	1.175	1.175	1.2%	-0.1%	0.0%
Previous	0.281	0.298	0.299	0.300	0.279	0.300	0.302	0.298	0.279	0.298	0.301	0.299	1.163	1.177	1.179	1.177	1.2%	0.2%	-0.2%
Percent Change	-0.1%	-0.1%	-0.1%	0.1%	-0.1%	-2.1%	0.5%	0.3%	0.0%	0.3%	-0.7%	-0.5%	0.0%	-0.1%	-0.4%	-0.2%			
<b>Biodiesel, Renewable Diesel, and Other</b>																			
Current	0.140	0.173	0.175	0.172	0.177	0.193	0.192	0.198	0.181	0.195	0.198	0.208	0.462	0.660	0.760	0.782	42.9%	15.2%	2.8%
Previous	0.140	0.173	0.175	0.172	0.177	0.193	0.188	0.199	0.188	0.199	0.200	0.208	0.462	0.660	0.757	0.795	42.9%	14.7%	5.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	2.2%	-0.3%	-3.9%	-2.2%	-0.8%	0.0%	0.0%	0.0%	0.4%	-1.7%			
<b>U.S. Renewable Electric Power Sector Generation Capacity (MW)</b>																			
<b>Wind Power</b>																			
Current	142,546	143,967	144,643	147,669	148,889	150,133	151,694	154,943	155,504	156,096	157,608	161,408	141,275	147,669	154,943	161,408	4.5%	4.9%	4.2%
Previous	142,976	144,398	144,573	147,599	148,819	150,612	151,774	155,224	155,239	155,828	157,006	160,274	141,275	147,599	155,224	160,274	4.5%	5.2%	3.3%
Percent Change	-0.3%	-0.3%	0.0%	0.0%	0.0%	-0.3%	-0.1%	-0.2%	0.2%	0.2%	0.4%	0.7%	0.0%	0.0%	-0.2%	0.7%			
<b>Wood Biomass</b>																			
Current	2,416	2,416	2,331	2,331	2,331	2,331	2,331	2,334	2,334	2,334	2,334	2,334	2,414	2,331	2,334	2,334	-3.5%	0.1%	0.0%
Previous	2,414	2,414	2,329	2,329	2,329	2,317	2,317	2,320	2,320	2,320	2,320	2,320	2,414	2,329	2,320	2,320	-3.5%	-0.4%	0.0%
Percent Change	0.1%	0.1%	0.1%	0.1%	0.1%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.0%	0.1%	0.6%	0.6%			
<b>Solar Power</b>																			
Current	74,886	78,540	81,543	91,386	97,218	103,353	116,087	129,006	132,587	138,711	143,187	155,589	72,248	91,386	129,006	155,589	26.5%	41.2%	20.6%
Previous	74,808	78,458	81,965	91,712	97,536	105,401	116,420	128,591	132,937	138,585	142,943	155,377	72,248	91,712	128,591	155,377	26.9%	40.2%	20.8%
Percent Change	0.1%	0.1%	-0.5%	-0.4%	-0.3%	-1.9%	-0.3%	0.3%	-0.3%	0.1%	0.2%	0.1%	0.0%	-0.4%	0.3%	0.1%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.gov/outlooks/steo/>)