

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

Current Forecast: May 9, 2023; Previous Forecast: April 11, 2023

	2022				2023				2024				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2021	2022	2023	2024	2021-2022	2022-2023	2023-2024
U.S. Energy Production																			
Crude Oil Production (million barrels per day)																			
Current	11.47	11.70	12.06	12.31	12.54	12.51	12.46	12.61	12.63	12.58	12.68	12.85	11.25	11.89	12.53	12.69	5.6%	5.4%	1.3%
Previous	11.47	11.70	12.06	12.30	12.54	12.50	12.50	12.61	12.69	12.71	12.77	12.83	11.25	11.88	12.54	12.75	5.6%	5.5%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	-0.4%	0.0%	-0.5%	-1.0%	-0.7%	0.2%	0.0%	0.0%	-0.1%	-0.5%			
Dry Natural Gas Production (billion cubic feet per day)																			
Current	95.1	97.6	99.5	100.3	102.1	101.9	99.9	100.4	100.7	101.1	101.4	101.8	94.6	98.1	101.1	101.2	3.8%	3.0%	0.1%
Previous	95.1	97.6	99.5	100.2	101.6	100.5	100.5	100.9	101.2	101.5	101.8	101.8	94.6	98.1	100.9	101.6	3.7%	2.8%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.1%	0.5%	1.4%	-0.6%	-0.5%	-0.5%	-0.4%	-0.4%	0.0%	0.0%	0.0%	0.2%	-0.3%			
Coal Production (million short tons)																			
Current	149.0	145.7	154.3	148.3	151.5	140.9	149.2	135.6	124.6	115.1	128.3	123.2	578.1	597.2	577.1	491.2	3.3%	-3.4%	-14.9%
Previous	149.0	145.7	154.3	148.3	149.1	136.4	142.3	130.7	126.4	119.7	132.6	126.9	578.1	597.2	558.4	505.6	3.3%	-6.5%	-9.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.6%	3.3%	4.9%	3.7%	-1.4%	-3.8%	-3.2%	-2.9%	0.0%	0.0%	3.3%	-2.8%			
U.S. Energy Consumption																			
Petroleum and Other Liquid Fuels Consumption (million barrels per day)																			
Current	20.2	20.3	20.5	20.2	20.0	20.5	20.7	20.6	20.5	20.8	21.0	20.9	19.9	20.3	20.5	20.8	2.0%	0.9%	1.6%
Previous	20.2	20.3	20.5	20.2	19.9	20.5	20.6	20.5	20.4	20.7	20.9	20.7	19.9	20.3	20.4	20.7	2.0%	0.4%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.5%	0.2%	0.7%	0.8%	0.3%	0.5%	0.5%	0.8%	0.0%	0.0%	0.5%	0.5%			
Natural Gas Consumption (billion cubic feet per day)																			
Current	104.8	76.1	80.8	92.6	102.4	76.6	80.8	90.6	101.1	73.8	80.0	89.4	83.9	88.5	87.5	86.1	5.5%	-1.1%	-1.7%
Previous	104.8	76.1	80.8	92.6	101.6	75.1	80.2	92.7	103.0	72.9	77.5	91.1	83.9	88.5	87.4	86.1	5.5%	-1.3%	-1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.7%	1.9%	0.7%	-2.2%	-1.9%	1.1%	3.2%	-1.8%	0.0%	0.0%	0.2%	-0.1%			
Electricity Retail Sales (billion kilowatthours)																			
Current	945	938	1,114	911	918	931	1,123	915	949	937	1,131	919	3,806	3,909	3,887	3,936	2.7%	-0.6%	1.3%
Previous	945	938	1,114	911	921	930	1,093	916	962	933	1,102	924	3,806	3,909	3,859	3,921	2.7%	-1.3%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.2%	0.1%	2.8%	-0.2%	-1.4%	0.5%	2.6%	-0.6%	0.0%	0.0%	0.7%	0.4%			
Total Energy Consumption (quadrillion Btu)																			
Current	26.51	23.84	24.89	25.17	25.50	24.01	25.29	25.13	26.31	24.05	25.41	25.23	97.84	100.41	99.93	101.00	2.6%	-0.5%	1.1%
Previous	26.51	23.84	24.90	25.18	25.44	23.92	24.97	25.28	26.65	24.01	25.10	25.32	97.84	100.42	99.61	101.07	2.6%	-0.8%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.3%	0.4%	1.3%	-0.6%	-1.3%	0.2%	1.3%	-0.4%	0.0%	0.0%	0.3%	-0.1%			
U.S. Macroeconomic and Weather																			
Real Gross Domestic Product (billion chained 2012 dollars)																			
Current	19,924	19,895	20,055	20,182	20,281	20,271	20,336	20,437	20,529	20,634	20,739	20,850	19,610	20,014	20,331	20,688	2.1%	1.6%	1.8%
Previous	19,924	19,895	20,055	20,182	20,167	20,168	20,248	20,356	20,450	20,550	20,643	20,729	19,610	20,014	20,235	20,593	2.1%	1.1%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.6%	0.5%	0.4%	0.4%	0.4%	0.4%	0.5%	0.6%	0.0%	0.0%	0.5%	0.5%			
Manufacturing Production Index (index 2012 = 100)																			
Current	100.1	100.8	100.9	100.1	100.2	99.6	99.6	100.1	100.5	101.1	101.7	102.4	97.7	100.5	99.9	101.4	2.9%	-0.6%	1.6%
Previous	100.1	100.8	100.9	100.1	99.7	99.1	99.4	100.2	100.8	101.4	102.1	102.7	97.7	100.5	99.6	101.7	2.9%	-0.9%	2.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	0.2%	-0.1%	-0.2%	-0.3%	-0.4%	-0.3%	0.0%	0.0%	0.3%	-0.3%			
Heating Degree Days																			
Current	2,147	491	54	1,552	1,919	509	75	1,461	2,005	472	75	1,455	3,934	4,244	3,965	4,007	7.9%	-6.6%	1.1%
Previous	2,147	490	54	1,552	1,928	490	75	1,532	2,094	496	74	1,530	3,937	4,244	4,024	4,194	7.8%	-5.2%	4.2%
Percent Change	0.0%	0.0%	-0.4%	0.0%	-0.4%	4.0%	0.6%	-4.6%	-4.2%	-4.8%	0.4%	-4.9%	-0.1%	0.0%	-1.5%	-4.5%			
Cooling Degree Days																			
Current	46	466	950	89	69	420	960	104	50	444	968	105	1,492	1,552	1,552	1,566	4.0%	0.0%	0.9%
Previous	47	466	950	89	63	415	860	95	43	392	862	96	1,491	1,552	1,433	1,393	4.1%	-7.7%	-2.8%
Percent Change	-0.4%	-0.1%	0.0%	-0.3%	10.0%	1.2%	11.6%	8.6%	15.0%	13.3%	12.2%	9.1%	0.1%	0.0%	8.3%	12.4%			

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

STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: May 9, 2023; Previous Forecast: April 11, 2023

	2022				2023				2024				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2021	2022	2023	2024	2021-2022	2022-2023	2023-2024
Petroleum																			
WTI spot (\$/barrel)																			
Current	95.18	108.93	93.07	82.69	75.96	72.50	73.00	73.00	72.00	70.00	69.00	67.00	68.21	94.91	73.62	69.47	39.1%	-22.4%	-5.6%
Previous	95.18	108.93	93.07	82.69	75.96	80.00	81.00	80.00	79.00	76.00	74.00	72.00	68.21	94.91	79.24	75.21	39.1%	-16.5%	-5.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-9.4%	-9.9%	-8.8%	-8.9%	-7.9%	-6.8%	-6.9%	0.0%	0.0%	-7.1%	-7.6%			
U.S. Refiner composite crude oil acquisition cost (\$/barrel)																			
Current	92.62	109.86	95.20	83.11	74.46	72.13	72.47	72.50	71.50	69.50	68.50	66.50	67.83	95.25	72.86	68.99	40.4%	-23.5%	-5.3%
Previous	92.62	109.86	95.20	83.10	75.21	79.50	80.50	79.50	78.50	75.50	73.50	71.50	67.83	95.25	78.76	74.73	40.4%	-17.3%	-5.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	-1.0%	-9.3%	-10.0%	-8.8%	-8.9%	-7.9%	-6.8%	-7.0%	0.0%	0.0%	-7.5%	-7.7%			
Brent spot average (\$/barrel)																			
Current	101.17	113.84	100.53	88.44	81.04	77.56	78.00	78.00	77.00	75.00	74.00	72.00	70.89	100.94	78.65	74.47	42.4%	-22.1%	-5.3%
Previous	101.17	113.84	100.53	88.44	81.04	86.00	87.00	86.00	85.00	82.00	80.00	78.00	70.89	100.94	85.01	81.21	42.4%	-15.8%	-4.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-9.8%	-10.3%	-9.3%	-9.4%	-8.5%	-7.5%	-7.7%	0.0%	0.0%	-7.5%	-8.3%			
U.S. Gasoline, regular-grade retail including taxes (\$/gallon)																			
Current	3.71	4.50	4.08	3.57	3.38	3.55	3.32	3.06	3.07	3.21	3.15	2.92	3.02	3.97	3.33	3.09	31.5%	-16.1%	-7.2%
Previous	3.71	4.50	4.08	3.57	3.38	3.54	3.45	3.28	3.17	3.29	3.23	3.01	3.02	3.97	3.42	3.18	31.5%	-14.0%	-7.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	-3.7%	-6.8%	-3.1%	-2.4%	-2.3%	-3.0%	0.0%	0.0%	-2.5%	-2.7%			
U.S. Diesel, retail including taxes (\$/gallon)																			
Current	4.32	5.49	5.16	5.08	4.40	3.86	3.57	3.83	3.77	3.60	3.51	3.61	3.29	5.02	3.90	3.62	52.6%	-22.2%	-7.3%
Previous	4.32	5.49	5.16	5.08	4.40	4.07	3.89	4.10	4.04	3.89	3.79	3.77	3.29	5.02	4.11	3.87	52.6%	-18.2%	-5.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-5.1%	-8.2%	-6.5%	-6.6%	-7.3%	-7.4%	-4.1%	0.0%	0.0%	-4.9%	-6.4%			
U.S. Heating Oil, residential retail including taxes (\$/gallon)																			
Current	4.15	5.53	4.97	4.94	4.06	3.45	3.22	3.61	3.53	3.30	3.14	3.51	3.00	4.66	3.73	3.45	55.4%	-19.9%	-7.5%
Previous	4.15	5.55	4.97	4.88	4.06	3.68	3.58	3.88	3.82	3.58	3.42	3.66	3.00	4.65	3.89	3.70	55.1%	-16.3%	-4.9%
Percent Change	0.0%	-0.4%	-0.1%	1.1%	0.2%	-6.2%	-10.2%	-6.9%	-7.6%	-8.0%	-8.3%	-4.2%	0.0%	0.2%	-4.2%	-6.8%			
U.S. Natural Gas																			
Henry Hub spot (\$ per million Btu)																			
Current	4.66	7.48	7.99	5.55	2.65	2.40	3.10	3.49	3.59	3.27	3.92	4.09	3.91	6.42	2.91	3.72	64.2%	-54.6%	27.7%
Previous	4.66	7.48	7.99	5.55	2.65	2.65	3.03	3.44	3.86	3.44	3.64	3.89	3.91	6.42	2.94	3.71	64.2%	-54.1%	25.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-9.4%	2.3%	1.3%	-7.0%	-4.8%	7.6%	5.1%	0.0%	0.0%	-1.1%	0.3%			
Residential Retail (\$ per thousand cubic feet)																			
Current	12.32	16.57	24.95	15.63	14.78	15.41	20.43	12.40	11.36	14.48	20.74	12.85	12.21	14.82	14.58	13.04	21.4%	-1.6%	-10.6%
Previous	12.32	16.57	24.95	15.63	13.79	14.92	20.18	12.17	11.27	14.52	20.54	12.54	12.21	14.82	13.94	12.87	21.4%	-5.9%	-7.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	7.2%	3.2%	1.2%	1.9%	0.9%	-0.3%	1.0%	2.5%	0.0%	0.0%	4.6%	1.4%			
U.S. Electric Utilities Fuel Costs (\$ per million Btu)																			
Coal																			
Current	2.18	2.26	2.50	2.55	2.59	2.58	2.57	2.52	2.52	2.52	2.52	2.49	1.98	2.37	2.56	2.51	20.0%	8.1%	-1.9%
Previous	2.18	2.26	2.50	2.55	2.58	2.56	2.55	2.50	2.51	2.52	2.52	2.48	1.98	2.37	2.55	2.51	20.1%	7.3%	-1.5%
Percent Change	0.0%	0.0%	0.0%	-0.1%	0.5%	0.7%	0.8%	0.7%	0.4%	0.2%	0.2%	0.3%	0.0%	0.0%	0.7%	0.3%			
Natural Gas																			
Current	5.95	7.39	8.23	6.90	4.98	2.92	3.25	3.85	4.18	3.51	4.06	4.47	5.20	7.24	3.70	4.05	39.3%	-48.9%	9.5%
Previous	5.95	7.39	8.23	6.90	4.88	3.01	3.21	3.81	4.45	3.70	3.84	4.26	5.20	7.24	3.68	4.05	39.3%	-49.1%	9.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	2.2%	-3.1%	1.3%	0.9%	-6.1%	-5.1%	5.5%	4.8%	0.0%	0.0%	0.4%	0.1%			
Residual Fuel Oil																			
Current	16.81	26.17	26.53	21.27	18.52	15.92	14.25	14.58	14.76	14.98	13.93	13.77	13.66	21.80	15.89	14.33	59.6%	-27.1%	-9.8%
Previous	16.81	26.17	26.53	21.27	18.10	16.68	16.21	16.31	16.43	16.51	15.33	14.83	13.67	21.80	16.82	15.74	59.5%	-22.9%	-6.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	2.3%	-4.6%	-12.1%	-10.6%	-10.2%	-9.3%	-9.1%	-7.2%	0.0%	0.0%	-5.5%	-8.9%			
U.S. Residential Retail Electricity (cents per kilowatt-hour)																			
Current	13.98	15.07	15.85	15.48	15.80	15.97	15.98	15.30	15.50	15.98	16.08	15.48	13.66	15.12	15.78	15.78	10.7%	4.3%	0.0%
Previous	13.98	15.07	15.85	15.48	15.51	15.77	15.94	15.25	15.17	15.82	16.00	15.33	13.66	15.12	15.64	15.60	10.7%	3.4%	-0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.9%	1.3%	0.3%	0.3%	2.1%	1.0%	0.5%	0.9%	0.0%	0.0%	0.9%	1.2%			

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: May 9, 2023; Previous Forecast: April 11, 2023

	2022				2023				2024				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2021	2022	2023	2024	2021-2022	2022-2023	2023-2024
World Crude Oil and Liquid Fuels Production (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Production																			
Current	31.62	31.88	32.54	32.97	33.34	33.71	33.84	34.38	34.47	34.23	34.51	35.13	31.12	32.26	33.82	34.59	3.6%	4.8%	2.3%
Previous	31.62	31.88	32.54	32.88	33.40	33.78	33.93	34.45	34.65	34.49	34.64	35.16	31.12	32.23	33.89	34.74	3.6%	5.1%	2.5%
Percent Change	0.0%	0.0%	0.0%	0.3%	-0.2%	-0.2%	-0.3%	-0.2%	-0.5%	-0.8%	-0.4%	-0.1%	0.0%	0.1%	-0.2%	-0.4%			
OPEC (Organization of the Petroleum Exporting Countries) Production																			
Current	33.75	33.76	34.71	34.43	33.93	33.75	33.77	33.58	34.40	34.42	34.61	34.35	31.66	34.17	33.76	34.45	7.9%	-1.2%	2.0%
Previous	33.75	33.76	34.71	34.43	33.94	33.66	33.67	33.48	34.65	34.68	34.76	34.50	31.66	34.17	33.69	34.65	7.9%	-1.4%	2.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	-0.7%	-0.7%	-0.4%	-0.4%	0.0%	0.0%	0.2%	-0.6%			
Non-OPEC Production																			
Current	65.08	64.98	66.09	66.58	67.02	67.35	67.81	68.13	67.83	68.21	68.88	69.34	64.03	65.69	67.58	68.57	2.6%	2.9%	1.5%
Previous	65.09	64.99	66.10	66.51	67.10	67.46	67.83	68.06	67.89	68.38	68.90	69.22	64.04	65.68	67.61	68.60	2.6%	3.0%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.1%	-0.1%	-0.2%	0.0%	0.1%	-0.1%	-0.2%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%			
Total World Production																			
Current	98.83	98.74	100.80	101.02	100.95	101.10	101.58	101.71	102.24	102.64	103.49	103.69	95.69	99.85	101.34	103.02	4.3%	1.5%	1.7%
Previous	98.83	98.75	100.80	100.94	101.04	101.12	101.50	101.54	102.55	103.06	103.67	103.72	95.70	99.84	101.30	103.25	4.3%	1.5%	1.9%
Percent Change	0.0%	0.0%	0.0%	0.1%	-0.1%	0.0%	0.1%	0.2%	-0.3%	-0.4%	-0.2%	0.0%	0.0%	0.0%	0.0%	-0.2%			
World Crude Oil and Liquid Fuels Consumption (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Consumption																			
Current	45.76	45.37	46.63	45.98	45.45	45.63	46.44	46.56	46.15	45.80	46.62	46.69	44.81	45.94	46.02	46.32	2.5%	0.2%	0.6%
Previous	45.76	45.37	46.63	45.98	45.59	45.55	46.26	46.38	46.15	45.75	46.56	46.59	44.81	45.94	45.95	46.26	2.5%	0.0%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.3%	0.2%	0.4%	0.4%	0.0%	0.1%	0.1%	0.2%	0.0%	0.0%	0.2%	0.1%			
Non-OECD Consumption																			
Current	52.78	53.66	53.78	53.72	54.43	55.19	55.14	55.11	56.06	56.56	56.49	56.47	52.32	53.49	54.97	56.40	2.2%	2.8%	2.6%
Previous	52.77	53.65	53.77	53.76	54.38	55.15	55.10	55.05	56.11	56.62	56.55	56.53	52.32	53.49	54.92	56.45	2.2%	2.7%	2.8%
Percent Change	0.0%	0.0%	0.0%	-0.1%	0.1%	0.1%	0.1%	0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.1%	-0.1%			
China Consumption																			
Current	15.11	15.30	14.99	15.19	15.87	16.07	15.75	15.96	16.22	16.42	16.09	16.31	15.27	15.15	15.91	16.26	-0.8%	5.0%	2.2%
Previous	15.11	15.30	14.99	15.19	15.83	16.02	15.70	15.91	16.21	16.41	16.08	16.30	15.27	15.15	15.86	16.25	-0.8%	4.7%	2.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.3%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.3%	0.1%			
Total World Consumption																			
Current	98.54	99.03	100.41	99.70	99.88	100.82	101.58	101.67	102.21	102.36	103.11	103.16	97.12	99.43	100.99	102.71	2.4%	1.6%	1.7%
Previous	98.53	99.01	100.40	99.74	99.97	100.70	101.36	101.43	102.26	102.38	103.11	103.11	97.12	99.43	100.87	102.72	2.4%	1.5%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.2%	0.2%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%			
Closing Stocks (million barrels)																			
OECD Commercial Inventory																			
Current	2,604	2,656	2,735	2,766	2,804	2,841	2,853	2,838	2,839	2,870	2,883	2,874	2,640	2,766	2,838	2,874	4.8%	2.6%	1.3%
Previous	2,604	2,656	2,735	2,769	2,792	2,849	2,869	2,850	2,862	2,909	2,926	2,920	2,640	2,769	2,850	2,920	4.9%	3.0%	2.4%
Percent Change	0.0%	0.0%	0.0%	-0.1%	0.4%	-0.3%	-0.5%	-0.4%	-0.8%	-1.3%	-1.5%	-1.6%	0.0%	-0.1%	-0.4%	-1.6%			
OPEC Surplus Production Capacity and World Macroeconomic																			
OPEC Surplus Crude Oil Production Capacity (million barrels per day)																			
Current	3.12	2.58	1.67	2.29	3.16	3.51	3.60	3.82	3.55	3.47	3.33	3.60	5.18	2.41	3.52	3.48	-53.5%	46.2%	-1.1%
Previous	3.12	2.58	1.67	2.29	3.14	3.58	3.60	3.82	3.26	3.16	3.13	3.40	5.18	2.41	3.54	3.24	-53.5%	46.8%	-8.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.5%	-2.0%	0.0%	0.0%	8.7%	9.5%	6.4%	5.9%	0.0%	0.0%	-0.4%	7.6%			
World GDP Growth (annualized percent change)																			
Current	4.4	3.5	3.2	2.1	2.3	2.6	2.0	2.2	2.2	2.4	3.1	3.6	6.4	3.3	2.3	2.8			
Previous	4.4	3.5	3.2	2.0	2.0	2.3	2.0	2.3	2.6	2.9	3.3	3.6	6.4	3.3	2.2	3.1			

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: May 9, 2023; Previous Forecast: April 11, 2023

	2022				2023				2024				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2021	2022	2023	2024	2021-2022	2022-2023	2023-2024
U.S. Supply (million barrels per day)																			
Crude Oil Production																			
Current	11.47	11.70	12.06	12.31	12.54	12.51	12.46	12.61	12.63	12.58	12.68	12.85	11.25	11.89	12.53	12.69	5.6%	5.4%	1.3%
Previous	11.47	11.70	12.06	12.30	12.54	12.50	12.50	12.61	12.69	12.71	12.77	12.83	11.25	11.88	12.54	12.75	5.6%	5.5%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	-0.4%	0.0%	-0.5%	-1.0%	-0.7%	0.2%	0.0%	0.0%	-0.1%	-0.5%			
Natural Gas Plant Liquids Production																			
Current	5.61	5.92	6.09	5.90	5.95	6.14	6.18	6.19	6.16	6.25	6.35	6.33	5.42	5.88	6.12	6.27	8.4%	4.0%	2.6%
Previous	5.61	5.92	6.09	5.90	5.93	6.20	6.19	6.22	6.24	6.36	6.37	6.36	5.42	5.88	6.14	6.33	8.4%	4.3%	3.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.4%	-1.0%	-0.3%	-0.4%	-1.3%	-1.7%	-0.3%	-0.4%	0.0%	0.0%	-0.3%	-0.9%			
Ethanol Production																			
Current	1.02	1.01	0.97	1.01	1.00	1.00	0.99	0.99	1.01	1.01	1.00	1.03	0.98	1.00	1.00	1.01	2.3%	-0.7%	1.6%
Previous	1.02	1.01	0.97	1.01	1.01	1.00	0.98	1.01	1.01	1.01	1.00	1.03	0.98	1.00	1.00	1.01	2.3%	-0.3%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.4%	0.0%	0.9%	-2.2%	-0.2%	-0.2%	-0.3%	-0.1%	0.0%	0.0%	-0.4%	-0.2%			
Total Petroleum and Other Liquid Fuel Net Imports																			
Current	-0.74	-1.18	-1.32	-1.79	-1.76	-1.09	-0.67	-1.33	-1.23	-0.76	-1.04	-1.72	-0.06	-1.26	-1.21	-1.19	1935.5%	-3.8%	-1.9%
Previous	-0.74	-1.18	-1.32	-1.79	-2.13	-0.86	-0.82	-1.62	-1.42	-1.05	-1.27	-1.88	-0.06	-1.26	-1.36	-1.40	1935.5%	7.6%	3.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	-17.4%	27.7%	-18.3%	-17.9%	-13.1%	-27.5%	-17.9%	-8.5%	0.0%	0.0%	-10.6%	-15.3%			
U.S. Consumption (million barrels per day)																			
Gasoline																			
Current	8.47	9.00	8.88	8.75	8.67	9.11	8.96	8.79	8.66	9.13	9.03	8.82	8.82	8.78	8.88	8.91	-0.4%	1.2%	0.3%
Previous	8.47	9.00	8.88	8.75	8.67	9.09	8.93	8.74	8.61	9.07	8.99	8.76	8.82	8.78	8.86	8.86	-0.4%	0.9%	0.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.3%	0.7%	0.5%	0.6%	0.4%	0.7%	0.0%	0.0%	0.3%	0.6%			
Distillate Fuel Oil																			
Current	4.14	3.89	3.86	3.96	3.97	3.94	3.90	4.00	4.06	3.97	3.89	4.01	3.97	3.96	3.95	3.98	-0.2%	-0.3%	0.8%
Previous	4.14	3.89	3.86	3.96	3.89	3.87	3.85	3.97	4.06	3.95	3.85	3.98	3.97	3.96	3.89	3.96	-0.2%	-1.7%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.9%	2.0%	1.2%	0.8%	-0.1%	0.5%	1.1%	0.7%	0.0%	0.0%	1.5%	0.5%			
Jet Fuel																			
Current	1.45	1.61	1.60	1.58	1.55	1.72	1.79	1.71	1.66	1.77	1.82	1.76	1.37	1.56	1.69	1.75	13.8%	8.6%	3.6%
Previous	1.45	1.61	1.60	1.58	1.53	1.73	1.76	1.67	1.65	1.76	1.80	1.74	1.37	1.56	1.67	1.74	13.8%	7.3%	3.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.2%	-0.6%	2.0%	2.2%	0.7%	1.1%	0.8%	1.2%	0.0%	0.0%	1.2%	0.9%			
Hydrocarbon Gas Liquids																			
Current	3.87	3.43	3.48	3.57	3.71	3.43	3.53	3.83	3.99	3.50	3.64	3.88	3.44	3.59	3.62	3.75	4.3%	1.0%	3.5%
Previous	3.87	3.43	3.48	3.57	3.74	3.44	3.50	3.80	3.99	3.51	3.62	3.83	3.44	3.59	3.62	3.74	4.3%	0.9%	3.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.9%	-0.2%	0.9%	0.7%	0.0%	-0.1%	0.4%	1.1%	0.0%	0.0%	0.1%	0.4%			
Total Petroleum and Other Liquid Fuels																			
Current	20.22	20.27	20.47	20.16	19.97	20.54	20.72	20.64	20.51	20.82	21.00	20.87	19.89	20.28	20.47	20.80	2.0%	0.9%	1.6%
Previous	20.22	20.27	20.47	20.16	19.87	20.51	20.58	20.48	20.45	20.72	20.88	20.71	19.89	20.28	20.36	20.69	2.0%	0.4%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.5%	0.2%	0.7%	0.8%	0.3%	0.5%	0.5%	0.8%	0.0%	0.0%	0.5%	0.5%			
U.S. Closing Stocks (million barrels)																			
Crude Oil																			
Current	414.4	417.5	428.8	429.6	470.0	441.4	426.9	436.4	461.6	451.9	437.8	448.9	421.2	429.6	436.4	448.9	2.0%	1.6%	2.9%
Previous	414.4	417.5	428.8	429.6	470.3	457.3	442.1	453.5	478.6	472.3	458.2	469.5	421.2	429.6	453.5	469.5	2.0%	5.6%	3.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	-3.5%	-3.4%	-3.8%	-3.6%	-4.3%	-4.4%	-4.4%	0.0%	0.0%	-3.8%	-4.4%			
Total Gasoline																			
Current	238.5	221.0	209.6	224.3	222.5	229.3	227.9	242.8	242.4	239.7	227.7	236.5	232.2	224.3	242.8	236.5	-3.4%	8.3%	-2.6%
Previous	238.5	221.0	209.6	224.3	222.3	233.0	236.3	245.6	243.9	240.8	229.3	238.3	232.2	224.3	245.6	238.3	-3.4%	9.5%	-2.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	-1.6%	-3.6%	-1.1%	-0.6%	-0.5%	-0.7%	-0.8%	0.0%	0.0%	-1.1%	-0.8%			
Distillate Fuel Oil																			
Current	114.6	111.4	110.5	118.8	113.0	121.2	125.6	126.2	120.8	123.8	124.8	124.3	130.0	118.8	126.2	124.3	-8.6%	6.2%	-1.5%
Previous	114.6	111.4	110.5	118.8	112.9	118.6	124.4	122.6	118.0	121.3	123.2	121.7	130.0	118.8	122.6	121.7	-8.6%	3.1%	-0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	2.2%	1.0%	3.0%	2.4%	2.1%	1.3%	2.2%	0.0%	0.0%	3.0%	2.2%			

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: May 9, 2023; Previous Forecast: April 11, 2023

	2022				2023				2024				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2021	2022	2023	2024	2021-2022	2022-2023	2023-2024
U.S. Supply (billion cubic feet per day)																			
Total Marketed Production																			
Current	103.27	106.18	108.27	108.90	110.70	110.51	108.31	108.87	109.18	109.55	109.90	110.35	102.27	106.67	109.59	109.75	4.3%	2.7%	0.1%
Previous	103.27	106.18	108.27	108.84	110.20	109.06	108.99	109.42	109.80	110.08	110.40	110.46	102.27	106.66	109.42	110.19	4.3%	2.6%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.1%	0.5%	1.3%	-0.6%	-0.5%	-0.6%	-0.5%	-0.4%	-0.1%	0.0%	0.0%	0.2%	-0.4%			
Federal GOM Marketed Production																			
Current	2.05	2.11	2.19	2.12	2.23	2.32	2.23	2.23	2.24	2.17	2.03	2.04	2.14	2.12	2.26	2.12	-1.0%	6.5%	-6.0%
Previous	2.05	2.11	2.19	2.12	2.28	2.30	2.17	2.13	2.18	2.13	2.03	2.02	2.14	2.12	2.22	2.09	-1.0%	4.8%	-5.9%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-2.2%	1.0%	3.0%	4.8%	2.9%	2.1%	0.4%	0.7%	0.0%	0.0%	1.6%	1.5%			
Lower 48 ex GOM Marketed Production																			
Current	100.16	103.07	105.12	105.71	107.39	107.23	105.22	105.65	105.94	106.45	107.02	107.34	99.16	103.53	106.37	106.69	4.4%	2.7%	0.3%
Previous	100.16	103.07	105.12	105.65	106.87	105.82	105.97	106.32	106.63	107.04	107.53	107.46	99.16	103.52	106.24	107.16	4.4%	2.6%	0.9%
Percent Change	0.0%	0.0%	0.0%	0.1%	0.5%	1.3%	-0.7%	-0.6%	-0.6%	-0.5%	-0.5%	-0.1%	0.0%	0.0%	0.1%	-0.4%			
Pipeline Gross Imports																			
Current	8.9	7.7	7.8	8.4	8.4	7.0	7.1	7.4	8.2	6.8	7.0	7.4	7.6	8.2	7.5	7.4	7.6%	-9.1%	-1.3%
Previous	8.9	7.7	7.8	8.4	8.2	6.8	7.1	7.5	8.3	6.9	7.1	7.5	7.6	8.2	7.4	7.4	7.7%	-10.0%	0.3%
Percent Change	0.0%	0.0%	-0.1%	0.0%	2.4%	1.6%	0.3%	-0.9%	-1.1%	-0.7%	-0.3%	-1.1%	0.0%	0.0%	0.9%	-0.8%			
LNG Gross Imports																			
Current	0.15	0.01	0.07	0.05	0.09	0.04	0.04	0.06	0.10	0.04	0.04	0.06	0.06	0.07	0.06	0.06	17.0%	-15.8%	1.6%
Previous	0.15	0.01	0.06	0.04	0.07	0.04	0.04	0.06	0.10	0.04	0.04	0.06	0.06	0.06	0.05	0.06	9.7%	-17.2%	10.3%
Percent Change	1.2%	83.7%	8.3%	12.8%	25.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.7%	8.6%	0.0%			
Gross Exports																			
Current	19.96	19.30	17.84	18.54	20.46	20.76	20.96	21.54	22.19	21.48	21.52	22.94	18.23	18.90	20.93	22.03	3.7%	10.7%	5.3%
Previous	19.96	19.30	17.84	18.54	20.45	20.63	20.96	21.53	22.19	21.48	21.52	22.94	18.23	18.90	20.90	22.03	3.7%	10.5%	5.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%			
U.S. Consumption (billion cubic feet per day)																			
Residential																			
Current	26.09	7.86	3.57	17.37	23.64	8.27	4.27	16.64	24.82	7.86	4.32	16.64	12.92	13.67	13.16	13.39	5.8%	-3.7%	1.8%
Previous	26.09	7.86	3.57	17.37	23.62	8.08	4.27	17.42	25.80	8.17	4.32	17.46	12.92	13.67	13.30	13.92	5.8%	-2.7%	4.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	2.3%	0.2%	-4.5%	-3.8%	-3.8%	0.0%	-4.7%	0.0%	0.0%	-1.1%	-3.8%			
Commercial																			
Current	15.61	6.67	4.74	11.69	14.33	7.23	5.52	11.42	14.61	6.97	5.49	11.37	9.04	9.66	9.61	9.60	6.9%	-0.5%	0.0%
Previous	15.61	6.67	4.74	11.69	14.43	7.18	5.39	11.57	15.21	7.13	5.35	11.49	9.04	9.66	9.62	9.79	6.9%	-0.4%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.7%	0.7%	2.4%	-1.3%	-4.0%	-2.3%	2.8%	-1.0%	0.0%	0.0%	-0.2%	-1.9%			
Industrial																			
Current	25.46	22.25	21.47	23.51	24.41	21.47	21.05	23.10	23.84	20.85	20.66	22.84	22.73	23.16	22.50	22.05	1.9%	-2.9%	-2.0%
Previous	25.46	22.25	21.47	23.51	23.91	21.67	21.74	24.13	24.49	21.03	20.60	22.85	22.73	23.16	22.86	22.24	1.9%	-1.3%	-2.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	2.1%	-0.9%	-3.2%	-4.2%	-2.6%	-0.9%	0.3%	0.0%	0.0%	0.0%	-1.6%	-0.9%			
Electric Power Sector																			
Current	28.39	30.99	42.36	30.94	30.43	31.03	41.36	30.47	28.37	29.68	40.84	29.55	30.76	33.20	33.34	32.13	7.9%	0.4%	-3.7%
Previous	28.39	30.99	42.36	30.94	30.13	29.78	40.19	30.49	27.98	28.18	38.62	30.17	30.77	33.20	32.67	31.26	7.9%	-1.6%	-4.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.0%	4.2%	2.9%	-0.1%	1.4%	5.3%	5.8%	-2.1%	0.0%	0.0%	2.1%	2.8%			
Total Consumption																			
Current	104.83	76.13	80.77	92.62	102.35	76.56	80.80	90.64	101.08	73.75	79.97	89.44	83.90	88.53	87.54	86.05	5.5%	-1.1%	-1.7%
Previous	104.83	76.13	80.77	92.61	101.59	75.14	80.21	92.72	103.02	72.92	77.47	91.09	83.90	88.53	87.37	86.12	5.5%	-1.3%	-1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.7%	1.9%	0.7%	-2.2%	-1.9%	1.1%	3.2%	-1.8%	0.0%	0.0%	0.2%	-0.1%			
U.S. Working Gas in Storage (billion cubic feet)																			
Current	1,401	2,325	3,146	2,927	1,857	2,867	3,441	3,092	1,728	2,884	3,629	3,318	3,210	2,927	3,092	3,318	-8.8%	5.7%	7.3%
Previous	1,401	2,325	3,146	2,927	1,856	2,871	3,545	3,095	1,625	2,810	3,684	3,285	3,210	2,927	3,095	3,285	-8.8%	5.7%	6.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-2.9%	-0.1%	6.4%	2.6%	-1.5%	1.0%	0.0%	0.0%	-0.1%	1.0%			
U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)																			
Current	0.30	0.17	0.01	-0.11	0.15	-0.69	0.80	0.28	-0.89	-0.15	0.95	-0.47	-0.56	0.09	0.14	-0.14			
Previous	0.31	0.18	0.02	-0.05	0.15	-0.68	0.74	0.72	-0.72	-1.14	0.57	0.11	-0.55	0.11	0.24	-0.58			

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

STEO Current/Previous Forecast Comparisons: U.S. Electricity

Current Forecast: May 9, 2023; Previous Forecast: April 11, 2023

	2022				2023				2024				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2021	2022	2023	2024	2021-2022	2022-2023	2023-2024
U.S. Electricity Generation, Electric Power Sector (billion kilowatthours)																			
Total Generation																			
Current	990	989	1,148	963	951	981	1,161	949	977	990	1,168	953	3,958	4,090	4,042	4,089	3.4%	-1.2%	1.1%
Previous	990	989	1,148	963	957	979	1,129	954	990	982	1,138	962	3,958	4,090	4,018	4,073	3.4%	-1.8%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.6%	0.3%	2.9%	-0.5%	-1.3%	0.8%	2.6%	-0.9%	0.0%	0.0%	0.6%	0.4%			
Coal																			
Current	218	189	235	182	157	158	231	148	164	146	215	148	892	823	694	673	-7.7%	-15.8%	-3.0%
Previous	218	189	235	182	160	162	213	151	182	156	217	149	892	823	687	704	-7.7%	-16.5%	2.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	-2.3%	-2.5%	8.3%	-2.4%	-9.6%	-6.0%	-1.0%	-1.2%	0.0%	0.0%	0.9%	-4.3%			
Natural gas																			
Current	336	365	509	375	364	368	500	372	345	354	496	363	1,477	1,586	1,604	1,558	7.4%	1.1%	-2.8%
Previous	336	365	509	375	360	352	485	371	340	336	469	370	1,477	1,586	1,568	1,514	7.4%	-1.1%	-3.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.2%	4.5%	3.1%	0.1%	1.6%	5.4%	5.9%	-1.8%	0.0%	0.0%	2.3%	2.9%			
Petroleum																			
Current	6.4	4.1	4.5	7.4	3.9	3.8	4.4	5.2	5.0	3.8	4.4	5.6	18.3	22.4	17.3	18.7	22.5%	-22.9%	8.4%
Previous	6.4	4.1	4.5	7.4	4.2	3.8	4.3	5.1	5.1	3.7	4.4	5.5	18.3	22.4	17.5	18.7	22.5%	-22.2%	7.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	-6.0%	0.4%	0.2%	1.0%	-1.4%	0.9%	0.5%	1.2%	0.0%	0.0%	-1.0%	0.3%			
Nuclear																			
Current	196	184	201	190	195	187	207	196	200	193	209	191	780	772	783	792	-1.0%	1.5%	1.1%
Previous	196	184	201	190	195	188	207	196	201	193	208	192	780	772	785	795	-1.0%	1.7%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	0.0%	0.0%	-0.8%	0.0%	0.0%	-0.5%	0.0%	0.0%	-0.2%	-0.3%			
Conventional Hydroelectric																			
Current	74	69	62	55	63	74	63	60	72	79	65	60	250	261	260	277	4.2%	-0.3%	6.4%
Previous	74	69	62	55	65	78	65	60	72	80	65	60	250	261	269	276	4.2%	3.0%	2.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	-3.5%	-4.4%	-2.9%	-1.6%	1.1%	-1.2%	1.0%	0.8%	0.0%	0.0%	-3.2%	0.3%			
Other Renewables																			
Current	159	176	135	152	168	190	155	168	190	213	179	185	535	622	681	768	16.4%	9.5%	12.7%
Previous	159	176	135	152	172	194	154	169	190	213	175	185	535	622	688	763	16.4%	10.6%	10.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	-2.3%	-2.1%	0.8%	-0.2%	0.2%	0.0%	2.4%	0.1%	0.0%	0.0%	-1.0%	0.6%			
U.S. Electricity Sales (billion kilowatthours)																			
Residential																			
Current	380	347	458	338	357	343	467	340	379	347	474	343	1,470	1,522	1,507	1,543	3.5%	-1.0%	2.4%
Previous	380	347	458	338	358	340	444	342	389	341	448	345	1,470	1,522	1,484	1,522	3.5%	-2.5%	2.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.2%	0.6%	5.3%	-0.5%	-2.6%	1.9%	5.9%	-0.5%	0.0%	0.0%	1.5%	1.4%			
Commercial																			
Current	322	335	389	327	321	336	393	327	325	334	389	324	1,328	1,373	1,377	1,372	3.4%	0.3%	-0.4%
Previous	322	335	389	327	324	339	388	329	331	337	387	329	1,328	1,373	1,380	1,385	3.4%	0.5%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	-1.1%	-0.7%	1.3%	-0.5%	-1.8%	-0.9%	0.3%	-1.4%	0.0%	0.0%	-0.2%	-0.9%			
Industrial																			
Current	242	255	266	245	238	250	262	246	243	254	266	250	1,001	1,008	996.24	1,013	0.7%	-1.1%	1.7%
Previous	242	255	266	245	236	249	260	244	240	253	265	249	1,001	1,008	989	1,007	0.7%	-1.8%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.9%	0.6%	0.7%	0.7%	1.0%	0.5%	0.5%	0.5%	0.0%	0.0%	0.7%	0.6%			
Total																			
Current	945	938	1,114	911	918	931	1,123	915	949	937	1,131	919	3,806	3,909	3,887	3,936	2.7%	-0.6%	1.3%
Previous	945	938	1,114	911	921	930	1,093	916	962	933	1,102	924	3,806	3,909	3,859	3,921	2.7%	-1.3%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.2%	0.1%	2.8%	-0.2%	-1.4%	0.5%	2.6%	-0.6%	0.0%	0.0%	0.7%	0.4%			

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: May 9, 2023; Previous Forecast: April 11, 2023

	2022				2023				2024				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2021	2022	2023	2024	2021-2022	2022-2023	2023-2024
U.S. Coal (million short tons)																			
Production																			
Current	149.0	145.7	154.3	148.3	151.5	140.9	149.2	135.6	124.6	115.1	128.3	123.2	578	597	577	491	3.3%	-3.4%	-14.9%
Previous	149.0	145.7	154.3	148.3	149.1	136.4	142.3	130.7	126.4	119.7	132.6	126.9	578	597	558	506	3.3%	-6.5%	-9.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.6%	3.3%	4.9%	3.7%	-1.4%	-3.8%	-3.2%	-2.9%	0.0%	0.0%	3.3%	-2.8%			
Exports																			
Current	20.2	23.0	20.7	20.8	24.6	26.4	24.2	24.5	24.7	26.0	25.0	26.6	85.1	84.8	99.7	102.3	-0.4%	17.6%	2.6%
Previous	20.2	23.0	20.7	20.8	22.4	24.2	22.5	23.3	24.0	25.8	25.0	26.7	85.1	84.8	92.4	101.5	-0.4%	9.0%	9.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	9.7%	9.2%	7.6%	5.3%	2.6%	0.8%	0.1%	-0.2%	0.0%	0.0%	8.0%	0.8%			
Imports																			
Current	1.3	1.6	2.0	1.4	1.2	1.3	1.6	1.1	0.7	0.8	1.2	0.9	5.4	6.3	5.2	3.6	17.2%	-18.0%	-30.7%
Previous	1.3	1.6	2.0	1.4	1.3	1.3	1.5	1.1	0.7	0.9	1.2	0.9	5.4	6.3	5.2	3.8	17.2%	-17.8%	-27.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	-10.9%	-2.2%	4.8%	8.7%	2.7%	-5.5%	-5.4%	-7.2%	0.0%	0.0%	-0.2%	-4.4%			
Electric Power Demand																			
Current	122.7	107.3	134.8	105.3	90.7	92.9	135.4	87.5	93.6	85.6	124.7	87.0	501	470	407	391	-6.3%	-13.5%	-3.8%
Previous	122.7	107.3	134.8	105.3	93.0	94.6	125.5	89.3	103.4	90.5	127.0	87.9	501	470	402	409	-6.3%	-14.4%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	-2.4%	-1.8%	7.8%	-2.1%	-9.5%	-5.4%	-1.7%	-1.0%	0.0%	0.0%	1.0%	-4.4%			
Secondary Stocks																			
Current	90.5	91.5	84.5	94.3	115.3	130.8	118.0	134.3	131.4	128.5	104.3	106.4	96.3	94.3	134.3	106.4	-2.2%	42.5%	-20.8%
Previous	90.5	91.5	84.5	95.5	114.9	126.6	118.7	129.8	119.7	116.9	95.1	100.2	96.3	95.5	129.8	100.2	-0.9%	36.0%	-22.8%
Percent Change	0.0%	0.0%	0.0%	-1.3%	0.3%	3.3%	-0.6%	3.5%	9.8%	9.9%	9.6%	6.1%	0.0%	-1.3%	3.5%	6.1%			
U.S. Carbon Dioxide Emissions																			
Petroleum																			
Current	561.5	563.8	576.2	571.4	548.9	572.4	576.7	578.0	566.3	574.7	580.7	581.1	2,234	2,273	2,276	2,303	1.7%	0.1%	1.2%
Previous	561.4	563.6	576.0	571.2	544.4	568.1	573.0	572.8	565.5	571.9	577.3	576.9	2,234	2,272	2,258	2,292	1.7%	-0.6%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.8%	0.8%	0.7%	0.9%	0.1%	0.5%	0.6%	0.7%	0.0%	0.0%	0.8%	0.5%			
Coal																			
Current	244.0	214.7	264.4	211.6	188.8	187.6	264.6	179.3	191.6	174.9	245.9	178.9	1002.7	934.7	820.3	791.2	-6.8%	-12.2%	-3.5%
Previous	245.6	216.0	266.1	213.1	192.0	190.3	246.2	182.2	208.2	183.2	249.2	180.0	1002.5	940.8	810.7	820.7	-6.2%	-13.8%	1.2%
Percent Change	-0.6%	-0.6%	-0.6%	-0.7%	-1.6%	-1.4%	7.5%	-1.6%	-8.0%	-4.6%	-1.3%	-0.6%	0.0%	-0.6%	1.2%	-3.6%			
Natural Gas																			
Current	510.4	373.5	401.1	460.7	494.2	375.8	401.4	450.9	497.6	361.9	397.3	444.9	1655.1	1745.6	1722.3	1701.7	5.5%	-1.3%	-1.2%
Previous	510.4	373.5	401.0	460.9	489.2	368.8	398.5	461.4	507.4	357.9	384.8	453.2	1655.2	1745.9	1717.8	1703.3	5.5%	-1.6%	-0.8%
Percent Change	0.0%	0.0%	0.0%	-0.1%	1.0%	1.9%	0.7%	-2.3%	-1.9%	1.1%	3.2%	-1.8%	0.0%	0.0%	0.3%	-0.1%			
Total Fossil Fuel																			
Current	1315.9	1152.0	1241.7	1243.7	1231.9	1135.8	1242.8	1208.2	1255.5	1111.6	1223.8	1204.9	4,892	4,953	4,819	4,796	1.2%	-2.7%	-0.5%
Previous	1317.3	1153.2	1243.2	1245.3	1225.6	1127.2	1217.7	1216.3	1281.0	1113.0	1211.4	1210.1	4,892	4,959	4,787	4,816	1.4%	-3.5%	0.6%
Percent Change	-0.1%	-0.1%	-0.1%	-0.1%	0.5%	0.8%	2.1%	-0.7%	-2.0%	-0.1%	1.0%	-0.4%	0.0%	-0.1%	0.7%	-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: May 9, 2023; Previous Forecast: April 11, 2023

	2022				2023				2024				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2021	2022	2023	2024	2021-2022	2022-2023	2023-2024
U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)																			
Wind Power																			
Current	1.052	1.070	0.713	1.007	1.119	1.106	0.780	1.074	1.198	1.148	0.803	1.116	3.342	3.842	4.078	4.265	15.0%	6.1%	4.6%
Previous	1.052	1.070	0.713	1.007	1.133	1.149	0.776	1.083	1.197	1.166	0.798	1.130	3.342	3.842	4.142	4.292	15.0%	7.8%	3.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	-1.3%	-3.8%	0.5%	-0.9%	0.1%	-1.6%	0.6%	-1.2%	0.0%	0.0%	-1.5%	-0.6%			
Wood Biomass																			
Current	0.523	0.525	0.534	0.518	0.518	0.523	0.550	0.546	0.537	0.530	0.553	0.548	2.084	2.100	2.137	2.169	0.8%	1.7%	1.5%
Previous	0.509	0.511	0.520	0.504	0.507	0.511	0.536	0.532	0.521	0.516	0.539	0.534	2.109	2.045	2.087	2.111	-3.0%	2.0%	1.1%
Percent Change	2.7%	2.7%	2.7%	2.8%	2.2%	2.2%	2.5%	2.6%	3.0%	2.7%	2.6%	2.6%	-1.2%	2.7%	2.4%	2.7%			
Solar Power																			
Current	0.353	0.533	0.525	0.344	0.407	0.702	0.712	0.480	0.568	0.923	0.952	0.620	1.417	1.755	2.300	3.063	23.9%	31.1%	33.1%
Previous	0.353	0.534	0.525	0.344	0.435	0.697	0.707	0.473	0.566	0.900	0.920	0.603	1.416	1.755	2.312	2.988	24.0%	31.7%	29.2%
Percent Change	0.0%	-0.1%	0.0%	0.1%	-6.5%	0.6%	0.7%	1.5%	0.4%	2.5%	3.5%	2.9%	0.1%	0.0%	-0.5%	2.5%			
Ethanol																			
Current	0.271	0.293	0.292	0.294	0.281	0.303	0.299	0.293	0.285	0.301	0.301	0.303	1.147	1.149	1.176	1.189	0.2%	2.4%	1.1%
Previous	0.271	0.293	0.292	0.294	0.282	0.297	0.295	0.297	0.282	0.299	0.298	0.300	1.147	1.149	1.171	1.179	0.2%	1.9%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.3%	2.0%	1.6%	-1.5%	0.8%	0.9%	0.8%	1.0%	0.0%	0.0%	0.5%	0.9%			
Biodiesel, Renewable Diesel, and Other																			
Current	0.094	0.117	0.116	0.125	0.137	0.144	0.147	0.152	0.153	0.175	0.189	0.201	0.386	0.451	0.580	0.718	16.8%	28.4%	23.9%
Previous	0.094	0.117	0.116	0.125	0.136	0.142	0.145	0.152	0.151	0.173	0.187	0.199	0.386	0.451	0.575	0.710	16.8%	27.5%	23.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	1.7%	1.2%	0.0%	1.2%	1.2%	1.1%	1.0%	0.0%	0.0%	0.7%	1.1%			
U.S. Renewable Electric Power Sector Generation Capacity (MW)																			
Wind Power																			
Current	134,848	137,370	137,435	140,812	143,566	145,086	145,870	148,497	148,657	150,942	150,942	154,408	132,629	140,812	148,497	154,408	6.2%	5.5%	4.0%
Previous	134,848	137,370	137,435	140,812	144,088	144,882	145,667	148,391	148,406	150,651	150,651	155,713	132,629	140,812	148,391	155,713	6.2%	5.4%	4.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.4%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	-0.8%	0.0%	0.0%	0.1%	-0.8%			
Wood Biomass																			
Current	2,466	2,449	2,449	2,449	2,457	2,457	2,457	2,457	2,457	2,457	2,457	2,457	2,435	2,449	2,457	2,457	0.6%	0.3%	0.0%
Previous	2,466	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,449	2,435	2,449	2,449	2,449	0.6%	0.0%	0.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.0%	0.0%	0.3%	0.3%			
Solar Power																			
Current	63,355	65,696	67,753	71,521	76,384	82,536	87,443	100,140	108,397	118,215	120,650	133,455	61,009	71,521	100,140	133,455	17.2%	40.0%	33.3%
Previous	63,355	65,696	67,753	71,521	76,628	82,574	87,098	98,453	106,839	116,201	119,253	133,991	61,009	71,521	98,453	133,991	17.2%	37.7%	36.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%	0.4%	1.7%	1.5%	1.7%	1.2%	-0.4%	0.0%	0.0%	1.7%	-0.4%			

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