

## STEO Current/Previous Forecast Comparisons: U.S. Energy Supply and Demand Summary

Current Forecast: July 11, 2017; Previous Forecast: June 6, 2017

	2016				2017				2018				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
<b>U.S. Energy Supply</b>																			
<b>U.S. Crude Oil Production (million barrels per day)</b>																			
Current	9.17	8.85	8.67	8.81	9.01	9.18	9.41	9.72	9.86	9.92	9.80	10.04	9.42	8.87	9.33	9.90	-5.7%	5.2%	6.1%
Previous	9.17	8.85	8.67	8.81	9.00	9.20	9.40	9.73	9.95	10.00	9.90	10.17	9.42	8.87	9.33	10.01	-5.7%	5.2%	7.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.2%	-0.2%	0.1%	-0.1%	-0.9%	-0.8%	-1.0%	-1.3%	0.0%	0.0%	0.0%	-1.0%			
<b>U.S. Dry Natural Gas Production (billion cubic feet per day)</b>																			
Current	73.77	72.38	71.84	71.20	71.26	72.02	74.28	75.59	76.15	76.27	76.34	76.91	74.14	72.29	73.30	76.42	-2.5%	1.4%	4.3%
Previous	73.77	72.38	71.84	71.20	71.40	72.22	74.24	75.28	76.13	76.45	76.43	77.26	74.14	72.29	73.30	76.57	-2.5%	1.4%	4.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.3%	0.1%	0.4%	0.0%	-0.2%	-0.1%	-0.4%	0.0%	0.0%	0.0%	-0.2%			
<b>U.S. Coal Production (million short tons)</b>																			
Current	173.0	160.5	195.1	199.5	197.0	190.2	206.7	191.6	196.3	171.0	209.0	210.5	897.0	728.2	785.5	786.7	-18.8%	7.9%	0.2%
Previous	173.0	160.5	195.1	199.5	199.7	184.0	207.7	192.8	195.1	175.7	206.5	209.4	897.0	728.2	784.2	786.6	-18.8%	7.7%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	-1.3%	3.4%	-0.5%	-0.6%	0.6%	-2.6%	1.2%	0.5%	0.0%	0.0%	0.2%	0.0%			
<b>U.S. Energy Consumption</b>																			
<b>U.S. Petroleum and Other Liquid Fuels Consumption (million barrels per day)</b>																			
Current	19.45	19.42	19.90	19.75	19.49	19.92	20.27	20.07	19.91	20.11	20.65	20.50	19.53	19.63	19.94	20.30	0.5%	1.6%	1.8%
Previous	19.45	19.42	19.90	19.75	19.49	19.90	20.28	20.11	19.92	20.08	20.57	20.47	19.53	19.63	19.95	20.26	0.5%	1.6%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.1%	-0.2%	0.0%	0.2%	0.4%	0.1%	0.0%	0.0%	0.0%	0.2%			
<b>U.S. Natural Gas Consumption (billion cubic feet per day)</b>																			
Current	89.12	66.62	69.05	75.71	85.56	62.89	65.30	77.85	92.98	64.70	66.14	78.74	74.65	75.11	72.86	75.58	0.6%	-3.0%	3.7%
Previous	89.13	66.64	69.07	75.70	85.58	64.09	66.51	77.61	92.21	66.68	67.45	78.87	74.65	75.12	73.41	76.24	0.6%	-2.3%	3.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%	-1.8%	0.3%	0.8%	-3.0%	-1.9%	-0.2%	0.0%	0.0%	-0.7%	-0.9%			
<b>U.S. Electricity Retail Sales (million kilowatthours per day)</b>																			
Current	9,805	9,584	11,688	9,469	9,726	9,601	11,403	9,543	10,152	9,587	11,435	9,620	10,299	10,139	10,071	10,201	-1.6%	-0.7%	1.3%
Previous	9,805	9,584	11,688	9,469	9,726	9,783	11,416	9,550	10,153	9,826	11,444	9,622	10,299	10,139	10,122	10,263	-1.6%	-0.2%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%	-0.1%	-0.1%	0.0%	-2.4%	-0.1%	0.0%	0.0%	0.0%	-0.5%	-0.6%			
<b>U.S. Total Energy Consumption (quadrillion Btu)</b>																			
Current	25.23	22.95	24.76	24.45	25.02	22.69	24.21	24.39	25.58	22.92	24.52	24.73	97.37	97.40	96.30	97.75	0.0%	-1.1%	1.5%
Previous	25.23	22.95	24.76	24.45	24.72	22.79	24.35	24.41	25.52	23.23	24.61	24.75	97.37	97.40	96.27	98.11	0.0%	-1.2%	1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.2%	-0.4%	-0.6%	-0.1%	0.3%	-1.4%	-0.4%	-0.1%	0.0%	0.0%	0.0%	-0.4%			
<b>U.S. Macroeconomic and Weather</b>																			
<b>U.S. Real Gross Domestic Product (billion chained 2009 dollars)</b>																			
Current	16,525	16,583	16,727	16,813	16,862	16,985	17,108	17,216	17,330	17,429	17,531	17,628	16,397	16,662	17,043	17,480	1.6%	2.3%	2.6%
Previous	16,525	16,583	16,727	16,813	16,842	16,984	17,107	17,212	17,320	17,421	17,527	17,632	16,397	16,662	17,036	17,475	1.6%	2.2%	2.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>U.S. Manufacturing Production Index (index 2012 = 100)</b>																			
Current	102.9	102.6	102.7	103.1	103.8	104.5	105.2	105.8	106.7	107.1	107.6	108.3	102.6	102.8	104.8	107.4	0.2%	2.0%	2.5%
Previous	102.9	102.6	102.7	103.1	103.8	104.1	104.7	105.4	106.1	106.5	107.1	108.0	102.6	102.8	104.5	106.9	0.2%	1.7%	2.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	0.4%	0.5%	0.4%	0.6%	0.6%	0.5%	0.3%	0.0%	0.0%	0.3%	0.5%			
<b>U.S. Heating Degree Days</b>																			
Current	1,949	481	51	1,398	1,857	427	75	1,534	2,122	493	75	1,532	4,086	3,878	3,893	4,223	-5.1%	0.4%	8.5%
Previous	1,949	481	51	1,398	1,857	426	75	1,534	2,122	493	75	1,532	4,086	3,878	3,892	4,223	-5.1%	0.4%	8.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>U.S. Cooling Degree Days</b>																			
Current	53	410	964	128	70	430	844	91	39	386	839	91	1,486	1,555	1,435	1,356	4.6%	-7.7%	-5.5%
Previous	53	410	964	128	70	415	844	91	39	386	839	91	1,486	1,555	1,420	1,356	4.6%	-8.7%	-4.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia/doi.gov/emeu/steo/pub/contents.html>)

## STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: July 11, 2017; Previous Forecast: June 6, 2017

	2016				2017				2018				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
<b>U.S. Petroleum</b>																			
<b>WTI spot (\$/barrel)</b>																			
Current	33.35	45.46	44.85	49.18	51.64	48.17	48.00	48.00	48.00	48.00	49.97	52.31	48.67	43.33	48.95	49.58	-11.0%	13.0%	1.3%
Previous	33.35	45.46	44.85	49.18	51.64	49.82	51.68	50.00	50.35	53.00	55.00	56.00	48.67	43.33	50.78	53.61	-11.0%	17.2%	5.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-3.3%	-7.1%	-4.0%	-4.7%	-9.4%	-9.1%	-6.6%	0.0%	0.0%	-3.6%	-7.5%			
<b>Refiner composite crude oil acquisition cost (\$/barrel)</b>																			
Current	30.84	42.23	42.90	46.56	49.92	47.06	47.00	47.00	47.00	47.00	48.97	51.35	48.40	40.69	47.71	48.59	-15.9%	17.3%	1.8%
Previous	30.84	42.23	42.90	46.56	49.83	48.84	50.68	49.00	49.35	52.01	54.00	55.00	48.40	40.69	49.59	52.63	-15.9%	21.9%	6.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.2%	-3.6%	-7.3%	-4.1%	-4.8%	-9.6%	-9.3%	-6.6%	0.0%	0.0%	-3.8%	-7.7%			
<b>Brent spot average (\$/barrel)</b>																			
Current	33.89	45.57	45.80	49.25	53.57	49.59	50.00	50.00	50.00	50.00	51.97	54.31	52.32	43.74	50.79	51.58	-16.4%	16.1%	1.6%
Previous	33.89	45.57	45.80	49.25	53.57	51.52	53.68	52.00	52.35	55.00	57.00	58.00	52.32	43.74	52.69	55.61	-16.4%	20.5%	5.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-3.8%	-6.9%	-3.8%	-4.5%	-9.1%	-8.8%	-6.4%	0.0%	0.0%	-3.6%	-7.2%			
<b>Gasoline, regular-grade retail including taxes (\$/gallon)</b>																			
Current	1.90	2.25	2.21	2.23	2.33	2.38	2.38	2.20	2.20	2.40	2.42	2.29	2.43	2.15	2.32	2.33	-11.5%	8.1%	0.2%
Previous	1.90	2.25	2.21	2.23	2.33	2.44	2.48	2.26	2.26	2.52	2.54	2.38	2.43	2.15	2.38	2.43	-11.5%	10.6%	2.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.1%	-4.1%	-2.6%	-2.8%	-4.5%	-4.9%	-3.9%	0.0%	0.0%	-2.3%	-4.1%			
<b>Diesel, retail including taxes (\$/gallon)</b>																			
Current	2.08	2.30	2.38	2.47	2.57	2.55	2.59	2.66	2.65	2.66	2.72	2.81	2.71	2.31	2.59	2.71	-14.6%	12.1%	4.6%
Previous	2.08	2.30	2.38	2.47	2.57	2.59	2.73	2.74	2.72	2.76	2.84	2.90	2.71	2.31	2.66	2.81	-14.6%	15.0%	5.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.5%	-5.1%	-3.1%	-2.7%	-3.7%	-4.4%	-3.1%	0.0%	0.0%	-2.5%	-3.5%			
<b>Heating Oil, residential retail including taxes (\$/gallon)</b>																			
Current	1.95	2.05	2.11	2.33	2.47	2.40	2.44	2.55	2.60	2.49	2.53	2.66	2.65	2.10	2.48	2.60	-20.6%	18.2%	4.5%
Previous	1.95	2.05	2.11	2.33	2.47	2.44	2.58	2.65	2.68	2.59	2.65	2.75	2.65	2.10	2.53	2.69	-20.6%	20.5%	6.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.7%	-5.3%	-3.6%	-3.1%	-3.9%	-4.8%	-3.6%	0.0%	0.0%	-1.9%	-3.4%			
<b>U.S. Natural Gas</b>																			
<b>Henry Hub spot (\$ per million Btu)</b>																			
Current	2.00	2.14	2.88	3.04	3.01	3.08	3.08	3.24	3.48	3.28	3.31	3.52	2.63	2.51	3.10	3.40	-4.4%	23.4%	9.5%
Previous	2.00	2.14	2.88	3.04	3.01	3.14	3.20	3.29	3.50	3.29	3.32	3.53	2.63	2.51	3.16	3.41	-4.4%	25.6%	7.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.1%	-3.5%	-1.4%	-0.6%	-0.5%	-0.3%	-0.2%	0.0%	0.0%	-1.8%	-0.4%			
<b>Residential Retail (\$ per thousand cubic feet)</b>																			
Current	8.54	11.17	17.00	10.19	9.73	12.72	16.62	10.70	9.95	12.53	16.86	10.98	10.36	10.06	10.95	11.07	-2.9%	8.8%	1.1%
Previous	8.54	11.15	16.99	10.18	9.73	12.37	16.57	10.77	9.94	12.54	16.75	11.00	10.36	10.06	11.02	11.19	-3.0%	9.6%	1.5%
Percent Change	0.1%	0.2%	0.1%	0.1%	0.0%	2.8%	0.3%	-0.6%	0.1%	-0.1%	0.7%	-0.1%	0.0%	0.1%	-0.7%	-1.0%			
<b>U.S. Electric Utilities Fuel Costs (\$ per million Btu)</b>																			
<b>Coal</b>																			
Current	2.13	2.13	2.11	2.08	2.08	2.16	2.20	2.16	2.19	2.18	2.23	2.22	2.23	2.11	2.15	2.21	-5.0%	1.9%	2.5%
Previous	2.13	2.13	2.11	2.08	2.08	2.17	2.21	2.18	2.20	2.20	2.24	2.23	2.23	2.11	2.16	2.22	-5.0%	2.3%	2.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	-0.3%	-0.7%	-0.5%	-0.3%	-0.7%	-0.4%	-0.3%	0.0%	0.0%	-0.4%	-0.4%			
<b>Natural Gas</b>																			
Current	2.65	2.51	3.00	3.36	3.69	3.49	3.43	3.83	4.35	3.77	3.62	4.15	3.23	2.88	3.59	3.94	-11.0%	24.9%	9.6%
Previous	2.65	2.51	3.00	3.36	3.69	3.64	3.50	3.87	4.37	3.78	3.63	4.15	3.23	2.88	3.66	3.95	-11.0%	27.3%	7.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-4.0%	-2.1%	-1.2%	-0.4%	-0.5%	-0.3%	-0.2%	0.0%	0.0%	-1.9%	-0.3%			
<b>Residual Fuel Oil</b>																			
Current	6.15	8.51	9.70	9.08	11.16	10.87	9.87	9.72	9.61	10.23	9.96	10.17	10.36	8.41	10.38	9.98	-18.9%	23.5%	-3.9%
Previous	6.15	8.51	9.70	9.08	11.01	10.76	10.30	10.10	9.91	10.78	10.78	10.85	10.36	8.41	10.52	10.58	-18.9%	25.1%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.3%	1.0%	-4.1%	-3.7%	-3.1%	-5.1%	-7.7%	-6.3%	0.0%	0.0%	-1.3%	-5.7%			
<b>U.S. Residential Retail Electricity (cents per kilowatthour)</b>																			
Current	12.20	12.66	12.81	12.45	12.61	12.99	13.34	12.91	12.89	13.56	13.85	13.30	12.65	12.55	12.98	13.41	-0.8%	3.5%	3.3%
Previous	12.20	12.66	12.81	12.45	12.61	13.05	13.43	12.96	12.94	13.61	13.95	13.35	12.65	12.55	13.04	13.48	-0.8%	3.9%	3.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	-0.6%	-0.4%	-0.3%	-0.4%	-0.7%	-0.4%	0.0%	0.0%	-0.4%	-0.5%			

Prices are not adjusted for inflation.

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia/doe.gov/emeu/steo/pub/contents.html>)

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

Current Forecast: July 11, 2017; Previous Forecast: June 6, 2017

	2016				2017				2018				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
<b>World Crude Oil and Liquid Fuels Supply (million barrels per day)</b>																			
<b>OECD (Organization for Economic Cooperation and Development) Supply</b>																			
Current	26.99	25.90	26.31	26.84	27.00	26.88	27.45	28.08	28.23	28.38	28.36	28.99	26.84	26.51	27.36	28.49	-1.2%	3.2%	4.1%
Previous	26.99	25.90	26.31	26.84	26.77	26.95	27.47	28.09	28.30	28.44	28.46	29.10	26.84	26.51	27.32	28.57	-1.2%	3.1%	4.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.9%	-0.3%	0.0%	0.0%	-0.3%	-0.2%	-0.3%	-0.4%	0.0%	0.0%	0.1%	-0.3%			
<b>OPEC (Organization of the Petroleum Exporting Countries) Supply</b>																			
Current	38.76	39.00	39.37	39.83	38.68	39.27	39.89	39.91	39.85	40.07	40.33	40.32	38.23	39.24	39.44	40.15	2.6%	0.5%	1.8%
Previous	38.52	38.76	39.12	39.59	38.62	39.04	39.57	39.60	39.65	39.87	39.94	39.98	37.97	39.00	39.21	39.86	2.7%	0.5%	1.7%
Percent Change	0.6%	0.6%	0.6%	0.6%	0.2%	0.6%	0.8%	0.8%	0.5%	0.5%	1.0%	0.9%	0.7%	0.6%	0.6%	0.7%			
<b>Non-OPEC Supply</b>																			
Current	58.21	57.36	57.65	58.50	58.19	58.51	59.26	59.56	59.26	60.03	60.23	60.66	58.49	57.93	58.89	60.05	-1.0%	1.6%	2.0%
Previous	58.45	57.60	57.89	58.74	58.19	58.81	59.48	59.82	59.51	60.24	60.54	60.90	58.77	58.17	59.08	60.30	-1.0%	1.6%	2.1%
Percent Change	-0.4%	-0.4%	-0.4%	-0.4%	0.0%	-0.5%	-0.4%	-0.4%	-0.4%	-0.3%	-0.5%	-0.4%	-0.5%	-0.4%	-0.3%	-0.4%			
<b>Total World Supply</b>																			
Current	96.97	96.36	97.02	98.33	96.88	97.78	99.15	99.47	99.11	100.10	100.56	100.98	96.72	97.17	98.33	100.20	0.5%	1.2%	1.9%
Previous	96.98	96.36	97.01	98.33	96.81	97.85	99.06	99.43	99.16	100.12	100.48	100.88	96.74	97.17	98.30	100.16	0.4%	1.2%	1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	-0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			
<b>World Crude Oil and Liquid Fuels Consumption (million barrels per day)</b>																			
<b>OECD (Organization for Economic Cooperation and Development) Consumption</b>																			
Current	46.69	46.02	47.29	47.38	46.83	46.58	47.62	47.57	47.42	46.72	47.93	48.03	46.41	46.85	47.15	47.53	0.9%	0.7%	0.8%
Previous	46.69	46.02	47.29	47.38	46.72	46.56	47.63	47.61	47.43	46.69	47.85	48.00	46.41	46.85	47.14	47.50	0.9%	0.6%	0.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	-0.1%	0.0%	0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	0.1%			
<b>Non-OECD Consumption</b>																			
Current	49.00	50.41	50.45	50.42	50.01	51.46	51.76	51.67	51.57	52.63	52.85	52.82	48.99	50.07	51.23	52.47	2.2%	2.3%	2.4%
Previous	49.00	50.29	50.51	50.48	50.10	51.55	51.86	51.76	51.67	52.74	52.97	52.93	48.99	50.07	51.32	52.58	2.2%	2.5%	2.5%
Percent Change	0.0%	0.2%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	0.0%	0.0%	-0.2%	-0.2%			
<b>China Consumption</b>																			
Current	12.26	12.59	12.31	12.59	12.69	12.82	12.75	12.88	13.02	13.16	13.03	13.27	12.02	12.44	12.78	13.12	3.5%	2.8%	2.6%
Previous	12.26	12.47	12.38	12.65	12.69	12.82	12.75	12.88	13.02	13.16	13.03	13.27	12.02	12.44	12.78	13.12	3.5%	2.8%	2.6%
Percent Change	0.0%	1.0%	-0.5%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>Total World Consumption</b>																			
Current	95.69	96.43	97.73	97.80	96.84	98.05	99.38	99.24	98.99	99.35	100.78	100.85	95.40	96.92	98.39	100.00	1.6%	1.5%	1.6%
Previous	95.69	96.30	97.79	97.87	96.82	98.12	99.49	99.37	99.10	99.43	100.82	100.93	95.40	96.92	98.46	100.08	1.6%	1.6%	1.6%
Percent Change	0.0%	0.1%	-0.1%	-0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%	0.0%	0.0%	-0.1%	-0.1%			
<b>Closing Stocks (million barrels)</b>																			
<b>OECD Commercial Inventory</b>																			
Current	2,997	3,037	3,043	2,967	3,009	3,005	3,003	2,987	2,998	3,051	3,051	3,033	2,970	2,967	2,987	3,033	-0.1%	0.7%	1.5%
Previous	2,997	3,037	3,043	2,967	3,026	3,020	3,011	2,989	2,998	3,048	3,044	3,020	2,970	2,967	2,989	3,020	-0.1%	0.7%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.5%	-0.3%	-0.1%	0.0%	0.1%	0.2%	0.4%	0.0%	0.0%	-0.1%	0.4%			
<b>OPEC Surplus Production Capacity and World Macroeconomic</b>																			
<b>OPEC Surplus Crude Oil Production Capacity (million barrels per day)</b>																			
Current	1.42	1.22	0.95	1.00	2.19	2.16	1.94	2.04	1.91	1.30	1.20	1.20	1.46	1.15	2.08	1.40	-21.4%	81.4%	-32.7%
Previous	1.42	1.22	0.95	1.00	2.21	2.20	1.94	2.04	1.91	1.30	1.20	1.20	1.46	1.15	2.10	1.40	-21.4%	82.6%	-33.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.9%	-1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.0%			
<b>World Oil-Consumption-Weighted GDP Growth (annualized percent change)</b>																			
Current	2.15	2.24	2.32	2.51	2.67	2.74	2.87	2.91	3.00	3.12	3.10	3.10	2.64	2.30	2.80	3.08			
Previous	2.22	2.28	2.35	2.50	2.53	2.70	2.82	2.91	3.04	3.07	3.06	3.06	2.69	2.34	2.74	3.06			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia/doi.gov/emeu/steo/pub/contents.html>)

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

Current Forecast: July 11, 2017; Previous Forecast: June 6, 2017

	2016				2017				2018				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
<b>U.S. Supply (million barrels per day)</b>																			
<b>U.S. Crude Oil Production</b>																			
Current	9.17	8.85	8.67	8.81	9.01	9.18	9.41	9.72	9.86	9.92	9.80	10.04	9.42	8.87	9.33	9.90	-5.7%	5.2%	6.1%
Previous	9.17	8.85	8.67	8.81	9.00	9.20	9.40	9.73	9.95	10.00	9.90	10.17	9.42	8.87	9.33	10.01	-5.7%	5.2%	7.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.2%	-0.2%	0.1%	-0.1%	-0.9%	-0.8%	-1.0%	-1.3%	0.0%	0.0%	0.0%	-1.0%			
<b>U.S. Natural Gas Plant Liquids Production</b>																			
Current	3.38	3.57	3.46	3.49	3.54	3.71	3.89	4.02	4.07	4.16	4.25	4.36	3.34	3.48	3.79	4.21	4.1%	9.0%	11.1%
Previous	3.38	3.57	3.46	3.49	3.54	3.73	3.91	4.03	4.05	4.14	4.22	4.35	3.34	3.48	3.80	4.19	4.1%	9.3%	10.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	-0.5%	-0.4%	0.4%	0.5%	0.8%	0.2%	0.0%	0.0%	-0.3%	0.5%			
<b>U.S. Ethanol Production</b>																			
Current	0.99	0.97	1.01	1.02	1.03	1.00	1.03	1.03	1.01	1.01	1.02	1.02	0.97	1.00	1.02	1.01	3.2%	2.7%	-1.0%
Previous	0.99	0.97	1.01	1.02	1.03	1.01	1.03	1.03	1.02	1.02	1.03	1.03	0.97	1.00	1.03	1.02	3.2%	2.9%	-0.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.5%	0.2%	0.4%	-0.9%	-0.6%	-0.8%	-0.9%	0.0%	0.0%	-0.2%	-0.8%			
<b>U.S. Total Petroleum and Other Liquid Fuel Net Imports</b>																			
Current	4.97	4.68	5.15	4.68	4.29	4.30	4.29	3.19	3.39	3.76	3.88	2.99	4.71	4.87	4.01	3.50	3.4%	-17.6%	-12.7%
Previous	4.97	4.68	5.15	4.68	4.29	4.34	4.26	3.21	3.31	3.66	3.73	2.83	4.71	4.87	4.02	3.38	3.4%	-17.5%	-15.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	0.7%	-0.6%	2.4%	2.7%	3.9%	5.7%	0.0%	0.0%	-0.2%	3.6%			
<b>U.S. Consumption (million barrels per day)</b>																			
<b>U.S. Gasoline</b>																			
Current	9.09	9.44	9.56	9.22	8.95	9.46	9.61	9.33	8.99	9.54	9.65	9.35	9.18	9.33	9.34	9.39	1.6%	0.2%	0.5%
Previous	9.09	9.44	9.56	9.22	8.95	9.47	9.60	9.33	8.99	9.51	9.63	9.33	9.18	9.33	9.34	9.37	1.6%	0.1%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.0%	0.1%	0.3%	0.2%	0.2%	0.0%	0.0%	0.0%	0.2%			
<b>U.S. Distillate</b>																			
Current	3.90	3.80	3.79	4.02	3.95	3.91	3.94	4.05	4.15	3.95	3.99	4.18	4.00	3.88	3.96	4.07	-3.0%	2.2%	2.6%
Previous	3.90	3.80	3.79	4.02	3.95	4.03	3.93	4.04	4.11	3.96	3.97	4.14	4.00	3.88	3.99	4.05	-3.0%	2.8%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.9%	0.1%	0.4%	0.9%	-0.1%	0.5%	0.8%	0.0%	0.0%	-0.6%	0.5%			
<b>U.S. Jet Fuel</b>																			
Current	1.50	1.61	1.68	1.63	1.60	1.69	1.68	1.61	1.52	1.66	1.70	1.62	1.55	1.61	1.65	1.62	3.8%	2.4%	-1.3%
Previous	1.50	1.61	1.68	1.63	1.60	1.67	1.65	1.61	1.55	1.65	1.65	1.62	1.55	1.61	1.63	1.62	3.8%	1.6%	-0.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	2.0%	0.1%	-2.1%	1.0%	2.7%	-0.1%	0.0%	0.0%	0.9%	0.4%			
<b>U.S. Hydrocarbon Gas Liquids</b>																			
Current	2.73	2.25	2.40	2.59	2.79	2.38	2.50	2.79	3.00	2.63	2.78	3.06	2.55	2.49	2.61	2.87	-2.2%	4.9%	9.6%
Previous	2.73	2.25	2.40	2.59	2.79	2.36	2.55	2.83	3.02	2.63	2.78	3.08	2.55	2.49	2.63	2.87	-2.2%	5.6%	9.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	-1.9%	-1.5%	-0.5%	-0.2%	0.0%	-0.5%	0.0%	0.0%	-0.7%	-0.3%			
<b>U.S. Total Petroleum and Other Liquid Fuels</b>																			
Current	19.45	19.42	19.90	19.75	19.49	19.92	20.27	20.07	19.91	20.11	20.65	20.50	19.53	19.63	19.94	20.30	0.5%	1.6%	1.8%
Previous	19.45	19.42	19.90	19.75	19.49	19.90	20.28	20.11	19.92	20.08	20.57	20.47	19.53	19.63	19.95	20.26	0.5%	1.6%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.1%	-0.2%	0.0%	0.2%	0.4%	0.1%	0.0%	0.0%	0.0%	0.2%			
<b>U.S. Closing Stocks (million barrels)</b>																			
<b>U.S. Crude Oil</b>																			
Current	501.5	498.0	469.1	484.3	537.9	502.6	483.7	476.9	513.0	509.0	487.8	482.8	449.2	484.3	476.9	482.8	7.8%	-1.5%	1.2%
Previous	501.5	498.0	469.1	484.3	537.9	500.0	481.9	475.6	512.1	508.4	487.1	482.2	449.2	484.3	475.6	482.2	7.8%	-1.8%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.3%	0.1%			
<b>U.S. Total Gasoline</b>																			
Current	243.3	242.1	227.0	237.7	239.0	237.2	228.7	241.8	240.2	234.8	229.9	244.4	235.5	237.7	241.8	244.4	1.0%	1.7%	1.1%
Previous	243.3	242.1	227.0	237.7	239.0	234.2	227.7	241.6	239.7	234.1	229.3	244.2	235.5	237.7	241.6	244.2	1.0%	1.6%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.4%	0.1%	0.2%	0.3%	0.2%	0.1%	0.0%	0.0%	0.1%	0.1%			
<b>U.S. Distillate Fuel Oil</b>																			
Current	160.6	149.2	160.4	165.5	151.1	150.5	159.2	159.5	144.7	148.7	156.4	157.0	161.3	165.5	159.5	157.0	2.6%	-3.6%	-1.5%
Previous	160.6	149.2	160.4	165.5	151.1	150.0	157.6	158.3	144.0	148.1	156.2	156.9	161.3	165.5	158.3	156.9	2.6%	-4.3%	-0.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	1.0%	0.7%	0.5%	0.4%	0.1%	0.0%	0.0%	0.0%	0.7%	0.0%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia/doi.gov/emeu/steo/pub/contents.html>)

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

Current Forecast: July 11, 2017; Previous Forecast: June 6, 2017

	2016				2017				2018				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
<b>U.S. Supply (billion cubic feet per day)</b>																			
<b>U.S. Total Marketed Production</b>																			
Current	78.66	77.52	76.83	76.24	76.37	77.32	79.80	81.26	81.92	82.10	82.22	82.90	78.78	77.31	78.70	82.29	-1.9%	1.8%	4.6%
Previous	78.66	77.52	76.83	76.24	76.51	77.52	79.74	80.91	81.88	82.27	82.30	83.25	78.78	77.31	78.68	82.43	-1.9%	1.8%	4.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.3%	0.1%	0.4%	0.0%	-0.2%	-0.1%	-0.4%	0.0%	0.0%	0.0%	-0.2%			
<b>U.S. Federal GOM Marketed Production</b>																			
Current	3.48	3.34	3.24	3.35	3.35	3.23	3.21	3.22	3.35	3.33	3.21	3.22	3.53	3.35	3.25	3.28	-5.1%	-3.0%	0.8%
Previous	3.48	3.34	3.24	3.35	3.35	3.33	3.21	3.22	3.35	3.33	3.21	3.22	3.53	3.35	3.28	3.28	-5.1%	-2.2%	0.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	-3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	0.0%			
<b>U.S. Lower 48 ex GOM Marketed Production</b>																			
Current	74.20	73.32	72.72	71.85	72.01	73.21	75.82	77.11	77.56	77.92	78.24	78.75	74.30	73.02	74.56	78.12	-1.7%	2.1%	4.8%
Previous	74.20	73.32	72.72	71.85	72.16	73.35	75.76	76.75	77.52	78.09	78.31	79.10	74.30	73.02	74.52	78.26	-1.7%	2.1%	5.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.1%	0.5%	0.1%	-0.2%	-0.1%	-0.4%	0.0%	0.0%	0.0%	-0.2%			
<b>U.S. Pipeline Gross Imports</b>																			
Current	8.1	7.8	8.1	7.8	8.9	7.9	8.0	7.6	9.0	8.2	8.6	8.5	7.2	8.0	8.1	8.6	10.8%	1.8%	5.7%
Previous	8.1	7.8	8.1	7.8	8.8	8.1	8.1	7.9	9.0	8.2	8.6	8.5	7.2	8.0	8.2	8.6	10.6%	3.4%	4.0%
Percent Change	0.0%	0.0%	0.3%	0.5%	0.5%	-2.4%	-0.3%	-3.8%	0.2%	0.6%	0.1%	0.0%	0.0%	0.2%	-1.4%	0.2%			
<b>U.S. LNG Gross Imports</b>																			
Current	0.33	0.19	0.18	0.26	0.29	0.17	0.18	0.22	0.29	0.16	0.18	0.22	0.25	0.24	0.21	0.21	-3.7%	-11.8%	-0.2%
Previous	0.33	0.19	0.18	0.26	0.29	0.17	0.18	0.22	0.29	0.16	0.18	0.22	0.25	0.24	0.21	0.21	-3.7%	-12.3%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%			
<b>U.S. Gross Exports</b>																			
Current	5.78	6.03	6.57	7.12	8.87	8.20	8.41	9.50	10.54	9.63	9.72	10.45	4.89	6.38	8.75	10.08	30.6%	37.1%	15.3%
Previous	5.78	5.96	6.50	7.05	8.85	8.29	8.40	9.18	10.42	9.43	9.69	10.53	4.89	6.33	8.68	10.02	29.5%	37.2%	15.4%
Percent Change	0.0%	1.3%	1.1%	1.0%	0.3%	-1.0%	0.1%	3.5%	1.1%	2.1%	0.3%	-0.8%	0.0%	0.9%	0.8%	0.6%			
<b>U.S. Consumption (billion cubic feet per day)</b>																			
<b>U.S. Residential</b>																			
Current	22.46	7.15	3.48	14.96	22.21	6.52	3.31	15.78	25.36	6.89	3.31	15.86	12.63	12.00	11.91	12.80	-5.0%	-0.7%	7.4%
Previous	22.47	7.16	3.48	14.94	22.23	7.05	4.11	15.54	24.13	7.45	4.03	15.49	12.63	12.00	12.19	12.73	-5.0%	1.6%	4.4%
Percent Change	0.0%	-0.1%	-0.1%	0.1%	-0.1%	-7.5%	-19.5%	1.5%	5.1%	-7.6%	-17.8%	2.3%	0.0%	0.0%	-2.3%	0.6%			
<b>U.S. Commercial</b>																			
Current	13.42	5.98	4.56	10.20	13.44	5.86	4.61	10.52	14.57	6.12	4.64	10.55	8.76	8.53	8.59	8.95	-2.6%	0.7%	4.2%
Previous	13.42	5.99	4.56	10.21	13.44	5.80	4.52	10.57	14.69	6.06	4.56	10.64	8.76	8.54	8.56	8.96	-2.6%	0.3%	4.7%
Percent Change	0.0%	-0.1%	-0.1%	-0.1%	0.0%	1.1%	1.9%	-0.4%	-0.8%	0.9%	1.8%	-0.8%	0.0%	-0.1%	0.3%	-0.2%			
<b>U.S. Industrial</b>																			
Current	22.44	20.02	20.07	21.83	22.86	20.44	20.31	21.98	23.53	20.99	20.73	22.53	20.64	21.09	21.39	21.94	2.2%	1.4%	2.6%
Previous	22.45	20.03	20.07	21.84	22.85	20.42	20.29	21.92	23.54	21.07	20.74	22.57	20.64	21.10	21.37	21.97	2.2%	1.3%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.3%	0.0%	-0.4%	0.0%	-0.2%	0.0%	0.0%	0.1%	-0.2%			
<b>U.S. Electric Power Sector</b>																			
Current	24.17	27.45	34.91	22.54	20.63	24.15	30.95	23.00	22.57	24.41	31.07	23.05	26.34	27.28	24.70	25.29	3.6%	-9.4%	2.4%
Previous	24.17	27.45	34.91	22.54	20.63	24.82	31.40	23.01	22.86	25.72	31.67	23.35	26.34	27.28	24.99	25.92	3.6%	-8.4%	3.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.7%	-1.4%	-0.1%	-1.3%	-5.1%	-1.9%	-1.3%	0.0%	0.0%	-1.1%	-2.4%			
<b>U.S. Total Consumption</b>																			
Current	89.12	66.62	69.05	75.71	85.56	62.89	65.30	77.85	92.98	64.70	66.14	78.74	74.65	75.11	72.86	75.58	0.6%	-3.0%	3.7%
Previous	89.13	66.64	69.07	75.70	85.58	64.09	66.51	77.61	92.21	66.68	67.45	78.87	74.65	75.12	73.41	76.24	0.6%	-2.3%	3.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%	-1.8%	0.3%	0.8%	-3.0%	-1.9%	-0.2%	0.0%	0.0%	-0.7%	-0.9%			
<b>U.S. Working Gas in Storage (billion cubic feet)</b>																			
Current	2,495	3,194	3,714	3,305	2,072	2,920	3,676	3,293	1,799	2,691	3,501	3,151	3,675	3,305	3,293	3,151	-10.1%	-0.3%	-4.3%
Previous	2,495	3,194	3,714	3,305	2,072	2,912	3,653	3,294	1,771	2,666	3,484	3,151	3,675	3,305	3,294	3,151	-10.1%	-0.3%	-4.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.6%	0.0%	1.6%	0.9%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)</b>																			
Current	-0.55	-0.12	0.94	-0.95	0.13	0.18	-0.75	-0.42	1.29	-0.70	-0.57	-0.45	-0.75	-0.17	-0.22	-0.11			
Previous	-0.54	-0.18	0.91	-0.98	0.03	0.97	0.32	-0.71	0.13	0.99	0.71	-0.39	-0.75	-0.20	0.15	0.36			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia.doe.gov/emeu/steo/pub/contents.html>)

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

Current Forecast: July 11, 2017; Previous Forecast: June 6, 2017

	2016				2017				2018				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
<b>U.S. Electricity Generation, All Sectors (thousand megawatthours per day)</b>																			
<b>U.S. Total Generation</b>																			
Current	10,667	10,754	12,764	10,386	10,527	10,773	12,323	10,439	10,952	10,619	12,381	10,545	11,172	11,145	11,019	11,127	-0.2%	-1.1%	1.0%
Previous	10,667	10,754	12,764	10,386	10,527	10,702	12,340	10,436	10,944	10,867	12,385	10,543	11,172	11,145	11,004	11,187	-0.2%	-1.3%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	-0.1%	0.0%	0.1%	-2.3%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.5%			
<b>U.S. Coal</b>																			
Current	3,059	2,967	4,202	3,317	3,250	3,166	4,095	3,287	3,514	3,001	4,066	3,310	3,705	3,388	3,451	3,474	-8.6%	1.9%	0.7%
Previous	3,059	2,967	4,202	3,317	3,250	2,985	4,060	3,293	3,483	3,093	4,013	3,285	3,705	3,388	3,399	3,469	-8.6%	0.3%	2.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.9%	-0.2%	0.9%	-3.0%	1.3%	0.8%	0.0%	0.0%	1.5%	0.1%			
<b>U.S. Natural gas</b>																			
Current	3,426	3,762	4,702	3,191	2,917	3,346	4,205	3,245	3,184	3,356	4,195	3,236	3,653	3,771	3,431	3,495	3.2%	-9.0%	1.9%
Previous	3,426	3,762	4,702	3,191	2,917	3,414	4,242	3,232	3,211	3,515	4,256	3,264	3,653	3,771	3,454	3,564	3.2%	-8.4%	3.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.0%	-0.9%	0.4%	-0.8%	-4.5%	-1.5%	-0.9%	0.0%	0.0%	-0.7%	-1.9%			
<b>U.S. Petroleum</b>																			
Current	68	63	72	59	61	55	69	61	75	65	76	64	77	65	62	70	-15.6%	-5.7%	13.6%
Previous	68	63	72	59	61	63	73	63	76	67	75	64	77	65	65	70	-15.6%	-0.8%	8.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-11.9%	-5.2%	-2.4%	-0.4%	-2.9%	0.4%	0.2%	0.0%	0.0%	-4.9%	-0.7%			
<b>U.S. Nuclear</b>																			
Current	2,245	2,155	2,254	2,148	2,247	2,031	2,256	2,133	2,223	2,097	2,280	2,138	2,184	2,200	2,167	2,185	0.7%	-1.5%	0.8%
Previous	2,245	2,155	2,254	2,148	2,247	2,031	2,258	2,134	2,223	2,097	2,280	2,138	2,184	2,200	2,167	2,185	0.7%	-1.5%	0.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>U.S. Conventional Hydroelectric</b>																			
Current	842	810	618	637	917	988	742	627	798	842	734	617	682	726	817	747	6.4%	12.5%	-8.6%
Previous	842	810	618	637	917	1,035	751	632	798	842	734	617	682	726	833	747	6.4%	14.7%	-10.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-4.6%	-1.3%	-0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%	0.0%			
<b>U.S. Other Renewables</b>																			
Current	962	937	868	988	1,077	1,131	899	1,033	1,096	1,198	973	1,124	809	939	1,035	1,098	16.1%	10.2%	6.1%
Previous	962	937	868	988	1,077	1,116	897	1,029	1,092	1,191	968	1,119	809	939	1,029	1,092	16.1%	9.6%	6.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.2%	0.4%	0.4%	0.6%	0.5%	0.5%	0.0%	0.0%	0.5%	0.5%			
<b>U.S. Electricity Sales (million kilowatthours per day)</b>																			
<b>U.S. Residential</b>																			
Current	3,810	3,373	4,771	3,421	3,704	3,351	4,506	3,455	4,054	3,324	4,506	3,500	3,847	3,845	3,755	3,846	0.0%	-2.3%	2.4%
Previous	3,810	3,373	4,771	3,421	3,704	3,381	4,506	3,454	4,053	3,401	4,503	3,498	3,847	3,845	3,762	3,864	0.0%	-2.2%	2.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%	0.0%	0.0%	0.0%	-2.3%	0.1%	0.0%	0.0%	0.0%	-0.2%	-0.5%			
<b>U.S. Commercial</b>																			
Current	3,494	3,616	4,199	3,547	3,508	3,618	4,134	3,563	3,570	3,620	4,154	3,583	3,728	3,715	3,707	3,733	-0.4%	-0.2%	0.7%
Previous	3,494	3,616	4,199	3,547	3,508	3,697	4,133	3,561	3,568	3,705	4,151	3,577	3,728	3,715	3,726	3,751	-0.4%	0.3%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.1%	0.0%	0.1%	0.1%	-2.3%	0.1%	0.2%	0.0%	0.0%	-0.5%	-0.5%			
<b>U.S. Industrial</b>																			
Current	2,480	2,575	2,697	2,480	2,493	2,612	2,740	2,503	2,505	2,621	2,753	2,516	2,703	2,558	2,587.45	2,599	-5.4%	1.1%	0.5%
Previous	2,480	2,575	2,697	2,480	2,493	2,683	2,755	2,514	2,508	2,698	2,767	2,525	2,703	2,558	2,612	2,625	-5.4%	2.1%	0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.7%	-0.5%	-0.4%	-0.1%	-2.9%	-0.5%	-0.4%	0.0%	0.0%	-0.9%	-1.0%			
<b>U.S. Total</b>																			
Current	9,805	9,584	11,688	9,469	9,726	9,601	11,403	9,543	10,152	9,587	11,435	9,620	10,299	10,139	10,071	10,201	-1.6%	-0.7%	1.3%
Previous	9,805	9,584	11,688	9,469	9,726	9,783	11,416	9,550	10,153	9,826	11,444	9,622	10,299	10,139	10,122	10,263	-1.6%	-0.2%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%	-0.1%	-0.1%	0.0%	-2.4%	-0.1%	0.0%	0.0%	0.0%	-0.5%	-0.6%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia/doi.gov/emeu/steo/pub/contents.html>)

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

Current Forecast: July 11, 2017; Previous Forecast: June 6, 2017

	2016				2017				2018				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
<b>U.S. Coal (million short tons)</b>																			
<b>U.S. Production</b>																			
Current	173.0	160.5	195.1	199.5	197.0	190.2	206.7	191.6	196.3	171.0	209.0	210.5	897	728	786	787	-18.8%	7.9%	0.2%
Previous	173.0	160.5	195.1	199.5	199.7	184.0	207.7	192.8	195.1	175.7	206.5	209.4	897	728	784	787	-18.8%	7.7%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	-1.3%	3.4%	-0.5%	-0.6%	0.6%	-2.6%	1.2%	0.5%	0.0%	0.0%	0.2%	0.0%			
<b>U.S. Exports</b>																			
Current	14.2	14.2	12.6	19.3	22.3	20.4	15.4	13.8	15.3	16.6	15.2	16.2	74.0	60.3	71.9	63.2	-18.5%	19.2%	-12.1%
Previous	14.2	14.2	12.6	19.3	22.3	19.8	15.6	14.0	15.2	16.1	14.5	15.5	74.0	60.3	71.6	61.3	-18.5%	18.9%	-14.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	-1.3%	-1.5%	0.2%	3.1%	4.7%	4.2%	0.0%	0.0%	0.3%	3.1%			
<b>U.S. Imports</b>																			
Current	2.7	2.3	2.7	2.1	1.9	1.7	3.0	2.8	1.5	2.2	3.2	2.8	11.3	9.8	9.4	9.7	-13.0%	-4.9%	3.8%
Previous	2.7	2.3	2.7	2.1	1.9	1.8	3.1	2.8	1.5	2.2	3.2	2.8	11.3	9.8	9.6	9.7	-13.0%	-3.0%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-8.1%	-1.2%	-0.3%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.0%	0.0%			
<b>U.S. Electric Power Demand</b>																			
Current	152.2	147.2	210.3	167.6	160.6	156.2	204.3	165.5	170.2	148.0	203.2	166.7	738	677	687	688	-8.3%	1.4%	0.2%
Previous	152.2	147.2	210.3	167.6	160.6	147.7	202.9	165.7	168.5	152.4	200.6	165.6	738	677	677	687	-8.3%	-0.1%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	5.8%	0.7%	-0.1%	1.0%	-2.9%	1.3%	0.7%	0.0%	0.0%	1.4%	0.2%			
<b>U.S. Secondary Stocks</b>																			
Current	198.4	189.2	164.0	169.6	171.4	167.9	150.1	153.5	153.9	152.2	138.1	154.3	202.6	169.6	153.5	154.3	-16.3%	-9.5%	0.5%
Previous	198.4	189.2	164.0	169.6	171.4	166.5	150.3	154.0	154.4	152.7	138.7	154.9	202.6	169.6	154.0	154.9	-16.3%	-9.2%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	-0.1%	-0.3%	-0.3%	-0.4%	-0.4%	-0.4%	0.0%	0.0%	-0.3%	-0.4%			
<b>U.S. Carbon Dioxide Emissions</b>																			
<b>Petroleum</b>																			
Current	571.4	571.5	588.5	588.7	564.1	576.5	595.7	589.0	572.4	583.6	601.4	597.1	2,295	2,320	2,325	2,355	1.1%	0.2%	1.3%
Previous	571.4	571.5	588.5	588.7	559.2	577.6	594.9	589.3	572.6	582.5	598.4	595.6	2,295	2,320	2,321	2,349	1.1%	0.0%	1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.9%	-0.2%	0.1%	0.0%	0.0%	0.2%	0.5%	0.3%	0.0%	0.0%	0.2%	0.2%			
<b>Coal</b>																			
Current	308.8	297.6	412.9	334.7	323.0	307.6	403.6	332.7	340.2	297.8	402.0	334.5	1480.2	1354.0	1366.9	1374.6	-8.5%	1.0%	0.6%
Previous	308.8	297.6	412.9	334.7	320.1	298.9	402.8	333.9	340.7	308.9	399.8	334.5	1480.2	1354.0	1355.7	1383.9	-8.5%	0.1%	2.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.9%	2.9%	0.2%	-0.4%	-0.1%	-3.6%	0.6%	0.0%	0.0%	0.0%	0.8%	-0.7%			
<b>Natural Gas</b>																			
Current	438.9	327.2	342.9	376.0	416.5	309.7	324.2	386.7	452.7	317.6	328.4	391.1	1472.6	1485.0	1437.0	1489.8	0.8%	-3.2%	3.7%
Previous	439.0	327.3	342.9	376.0	415.0	314.7	330.2	385.6	449.1	327.4	334.9	391.9	1472.6	1485.1	1445.5	1503.3	0.9%	-2.7%	4.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.4%	-1.6%	-1.8%	0.3%	0.8%	-3.0%	-2.0%	-0.2%	0.0%	0.0%	-0.6%	-0.9%			
<b>Total Fossil Fuel</b>																			
Current	1319.1	1196.3	1344.3	1299.4	1303.6	1193.7	1323.6	1308.4	1365.4	1199.0	1331.8	1322.7	5,248	5,159	5,129	5,219	-1.7%	-0.6%	1.7%
Previous	1319.1	1196.4	1344.3	1299.4	1294.3	1191.2	1328.0	1308.8	1362.3	1218.8	1333.1	1322.0	5,248	5,159	5,122	5,236	-1.7%	-0.7%	2.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.7%	0.2%	-0.3%	0.0%	0.2%	-1.6%	-0.1%	0.1%	0.0%	0.0%	0.1%	-0.3%			

Source: Energy Information Administration, Short-Term Energy Outlook (<http://www.eia/doi.gov/emeu/steo/pub/contents.html>)

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

Current Forecast: July 11, 2017; Previous Forecast: June 6, 2017

	2016				2017				2018				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
<b>U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)</b>																			
<b>U.S. Wind Power</b>																			
Current	0.565	0.520	0.443	0.584	0.630	0.624	0.432	0.608	0.633	0.655	0.466	0.670	1.776	2.112	2.295	2.423	18.9%	8.6%	5.6%
Previous	0.577	0.531	0.452	0.596	0.643	0.625	0.439	0.617	0.643	0.665	0.473	0.681	1.812	2.155	2.323	2.461	18.9%	7.8%	5.9%
Percent Change	-2.0%	-2.0%	-2.0%	-2.0%	-2.0%	0.0%	-1.6%	-1.4%	-1.6%	-1.5%	-1.5%	-1.5%	-2.0%	-2.0%	-1.2%	-1.5%			
<b>U.S. Wood Biomass</b>																			
Current	0.496	0.477	0.495	0.492	0.493	0.478	0.497	0.490	0.488	0.474	0.499	0.494	2.071	1.959	1.958	1.955	-5.4%	-0.1%	-0.1%
Previous	0.496	0.477	0.495	0.492	0.487	0.480	0.496	0.489	0.486	0.474	0.499	0.493	2.071	1.959	1.952	1.952	-5.4%	-0.4%	0.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.4%	-0.4%	0.1%	0.1%	0.4%	0.1%	0.1%	0.1%	0.0%	0.0%	0.3%	0.2%			
<b>U.S. Solar Power</b>																			
Current	0.110	0.166	0.183	0.128	0.143	0.239	0.237	0.157	0.173	0.288	0.289	0.187	0.426	0.587	0.776	0.937	37.7%	32.2%	20.7%
Previous	0.110	0.166	0.183	0.128	0.139	0.246	0.244	0.161	0.177	0.294	0.295	0.191	0.426	0.587	0.790	0.957	37.7%	34.6%	21.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	2.8%	-2.7%	-2.7%	-2.7%	-2.5%	-2.0%	-2.1%	-2.1%	0.0%	0.0%	-1.7%	-2.1%			
<b>U.S. Ethanol</b>																			
Current	0.287	0.295	0.305	0.299	0.278	0.301	0.310	0.301	0.282	0.303	0.308	0.301	1.148	1.186	1.190	1.194	3.3%	0.3%	0.3%
Previous	0.287	0.295	0.305	0.299	0.278	0.301	0.310	0.301	0.281	0.302	0.308	0.300	1.148	1.186	1.190	1.191	3.3%	0.3%	0.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.2%	0.0%	0.2%	0.3%	0.2%	0.3%	0.0%	0.0%	0.0%	0.2%			
<b>U.S. Biodiesel</b>																			
Current	0.051	0.066	0.088	0.084	0.051	0.077	0.090	0.095	0.070	0.077	0.090	0.091	0.215	0.289	0.314	0.328	34.4%	8.4%	4.6%
Previous	0.051	0.066	0.088	0.084	0.051	0.072	0.086	0.090	0.069	0.076	0.088	0.089	0.215	0.289	0.299	0.323	34.4%	3.4%	7.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	6.9%	5.0%	6.0%	1.4%	1.5%	1.8%	2.0%	0.0%	0.0%	4.9%	1.7%			
<b>U.S. Renewable Electric Power Sector Generation Capacity (MW)</b>																			
<b>Wind Power</b>																			
Current	73,314	74,196	74,749	81,215	82,913	83,376	84,971	88,114	88,234	89,697	90,686	102,193	72,500	81,215	88,114	102,193	12.0%	8.5%	16.0%
Previous	73,363	74,245	74,799	81,269	82,969	83,431	84,591	87,727	87,846	89,269	90,258	101,715	72,500	81,269	87,727	101,715	12.1%	7.9%	15.9%
Percent Change	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.4%	0.4%	0.4%	0.5%	0.5%	0.5%	0.0%	-0.1%	0.4%	0.5%			
<b>Wood Biomass</b>																			
Current	3,168	3,168	3,150	3,157	3,141	3,191	3,191	3,191	3,191	3,284	3,284	3,284	3,185	3,157	3,191	3,284	-0.9%	1.1%	2.9%
Previous	3,167	3,167	3,149	3,156	3,139	3,189	3,189	3,189	3,189	3,283	3,283	3,283	3,185	3,156	3,189	3,283	-0.9%	1.1%	2.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>Solar Power</b>																			
Current	14,263	15,066	17,496	21,525	22,339	23,720	24,647	29,057	29,687	30,358	30,910	32,191	13,604	21,525	29,057	32,191	58.2%	35.0%	10.8%
Previous	14,220	15,017	17,450	21,444	22,222	23,580	24,349	28,768	29,376	30,044	30,491	31,745	13,604	21,444	28,768	31,745	57.6%	34.2%	10.3%
Percent Change	0.3%	0.3%	0.3%	0.4%	0.5%	0.6%	1.2%	1.0%	1.1%	1.0%	1.4%	1.4%	0.0%	0.4%	1.0%	1.4%			

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