

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

Current Forecast: December 6, 2016; Previous Forecast: November 8, 2016

	2015				2016				2017				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2014	2015	2016	2017	2014-2015	2015-2016	2016-2017
U.S. Energy Supply																			
U.S. Crude Oil Production (million barrels per day)																			
Current	9.49	9.47	9.41	9.30	9.17	8.85	8.67	8.75	8.75	8.74	8.70	8.94	8.76	9.42	8.86	8.78	7.4%	-5.9%	-0.9%
Previous	9.49	9.47	9.41	9.30	9.17	8.85	8.68	8.68	8.68	8.71	8.67	8.87	8.76	9.42	8.84	8.73	7.4%	-6.1%	-1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.7%	0.7%	0.4%	0.3%	0.8%	0.0%	0.0%	0.2%	0.6%			
U.S. Dry Natural Gas Production (billion cubic feet per day)																			
Current	73.44	74.50	74.51	74.08	73.77	72.38	71.89	71.94	73.22	74.48	75.34	76.13	70.93	74.14	72.49	74.80	4.5%	-2.2%	3.2%
Previous	73.44	74.50	74.51	74.08	73.77	72.38	71.73	71.51	73.06	74.41	75.81	76.93	70.93	74.14	72.34	75.06	4.5%	-2.4%	3.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.6%	0.2%	0.1%	-0.6%	-1.0%	0.0%	0.0%	0.2%	-0.4%			
U.S. Coal Production (million short tons)																			
Current	240.3	212.5	237.0	207.2	173.0	160.5	204.6	220.2	194.4	175.9	200.4	201.5	1000.0	897.0	758.4	772.1	-10.3%	-15.5%	1.8%
Previous	240.3	212.5	237.0	207.2	173.0	160.5	204.6	208.4	198.1	174.8	199.7	195.1	1000.0	897.0	746.5	767.7	-10.3%	-16.8%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.7%	-1.8%	0.6%	0.3%	3.3%	0.0%	0.0%	1.6%	0.6%			
U.S. Energy Consumption																			
U.S. Petroleum and Other Liquid Fuels Consumption (million barrels per day)																			
Current	19.41	19.47	19.83	19.42	19.45	19.42	19.90	19.88	19.53	19.69	20.10	20.28	19.11	19.53	19.66	19.90	2.2%	0.7%	1.2%
Previous	19.41	19.47	19.83	19.42	19.45	19.42	19.79	19.90	19.55	19.73	20.12	20.21	19.11	19.53	19.64	19.90	2.2%	0.6%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-0.1%	-0.1%	-0.2%	-0.1%	0.3%	0.0%	0.0%	0.1%	0.0%			
U.S. Natural Gas Consumption (billion cubic feet per day)																			
Current	95.88	63.40	65.48	74.19	89.30	66.81	69.24	75.57	91.73	65.84	67.89	78.59	72.86	74.65	75.22	75.96	2.5%	0.8%	1.0%
Previous	95.94	63.57	65.73	74.34	89.38	66.89	69.54	76.90	92.26	65.97	67.85	78.06	72.86	74.81	75.66	75.97	2.7%	1.1%	0.4%
Percent Change	-0.1%	-0.3%	-0.4%	-0.2%	-0.1%	-0.1%	-0.4%	-1.7%	-0.6%	-0.2%	0.1%	0.7%	0.0%	-0.2%	-0.6%	0.0%			
U.S. Electricity Retail Sales (million kilowatthours per day)																			
Current	10,498	9,769	11,488	9,438	9,805	9,583	11,692	9,681	10,058	9,726	11,494	9,761	10,314	10,299	10,193	10,262	-0.2%	-1.0%	0.7%
Previous	10,374	9,685	11,402	9,354	9,829	9,589	11,774	9,682	10,221	9,766	11,490	9,620	10,314	10,204	10,221	10,276	-1.1%	0.2%	0.5%
Percent Change	1.2%	0.9%	0.8%	0.9%	-0.2%	-0.1%	-0.7%	0.0%	-1.6%	-0.4%	0.0%	1.5%	0.0%	0.9%	-0.3%	-0.1%			
U.S. Total Energy Consumption (quadrillion Btu)																			
Current	26.34	23.04	24.47	23.70	25.32	23.02	24.73	24.17	25.26	22.95	24.31	24.67	98.32	97.55	97.24	97.19	-0.8%	-0.3%	0.0%
Previous	26.30	23.01	24.44	23.67	25.28	22.99	24.56	24.18	25.33	22.91	24.27	24.47	98.30	97.42	97.01	96.97	-0.9%	-0.4%	0.0%
Percent Change	0.2%	0.1%	0.1%	0.1%	0.2%	0.1%	0.7%	0.0%	-0.3%	0.2%	0.2%	0.8%	0.0%	0.1%	0.2%	0.2%			
U.S. Macroeconomic and Weather																			
U.S. Real Gross Domestic Product (billion chained 2009 dollars)																			
Current	16,269	16,374	16,455	16,491	16,525	16,583	16,702	16,786	16,880	16,968	17,060	17,142	15,982	16,397	16,649	17,013	2.6%	1.5%	2.2%
Previous	16,269	16,374	16,455	16,491	16,525	16,583	16,657	16,738	16,834	16,931	17,031	17,116	15,982	16,397	16,626	16,978	2.6%	1.4%	2.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.2%	0.2%	0.1%	0.0%	0.0%	0.1%	0.2%			
U.S. Manufacturing Production Index (index 2012 = 100)																			
Current	103.2	103.4	103.9	103.7	103.9	103.6	103.9	103.9	104.3	104.5	105.1	106.0	102.5	103.6	103.8	105.0	1.1%	0.3%	1.1%
Previous	103.2	103.4	103.9	103.7	103.9	103.6	103.9	104.2	104.6	105.0	106.0	106.9	102.5	103.6	103.9	105.6	1.1%	0.3%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.4%	-0.5%	-0.9%	-0.8%	0.0%	0.0%	-0.1%	-0.6%			
U.S. Heating Degree Days																			
Current	2,340	442	49	1,252	1,946	480	51	1,379	2,087	455	68	1,495	4,549	4,084	3,856	4,106	-10.2%	-5.6%	6.5%
Previous	2,340	443	49	1,253	1,947	481	50	1,426	2,090	462	70	1,495	4,549	4,085	3,903	4,117	-10.2%	-4.4%	5.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	1.8%	-3.3%	-0.1%	-1.5%	-2.8%	0.1%	0.0%	0.0%	-1.2%	-0.3%			
U.S. Cooling Degree Days																			
Current	46	435	875	134	54	411	966	125	45	417	871	97	1,299	1,490	1,556	1,429	14.7%	4.4%	-8.1%
Previous	46	434	875	133	54	410	969	128	45	413	863	97	1,299	1,489	1,562	1,417	14.7%	4.9%	-9.2%
Percent Change	0.0%	0.1%	0.0%	0.1%	0.3%	0.3%	-0.4%	-3.0%	0.2%	1.0%	0.9%	-0.1%	0.0%	0.1%	-0.4%	0.9%			

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

STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: December 6, 2016; Previous Forecast: November 8, 2016

	2015				2016				2017				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2014	2015	2016	2017	2014-2015	2015-2016	2016-2017
U.S. Petroleum																			
WTI spot (\$/barrel)																			
Current	48.48	57.85	46.55	41.94	33.35	45.46	44.85	48.18	49.00	49.00	51.00	53.65	93.17	48.67	43.07	50.66	-47.8%	-11.5%	17.6%
Previous	48.48	57.85	46.55	41.94	33.35	45.46	44.85	47.24	47.00	48.03	51.00	53.65	93.17	48.67	42.84	49.91	-47.8%	-12.0%	16.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	4.3%	2.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.5%			
Refiner composite crude oil acquisition cost (\$/barrel)																			
Current	47.94	57.47	47.67	40.48	30.84	42.23	43.18	47.17	48.00	48.00	49.98	52.67	92.05	48.40	40.92	49.70	-47.4%	-15.5%	21.5%
Previous	47.94	57.47	47.67	40.48	30.84	42.23	43.53	46.22	46.00	47.01	49.98	52.67	92.05	48.40	40.78	48.98	-47.4%	-15.8%	20.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	2.1%	4.3%	2.1%	0.0%	0.0%	0.0%	0.0%	0.4%	1.5%			
Brent spot average (\$/barrel)																			
Current	53.91	61.65	50.43	43.55	33.89	45.57	45.80	48.11	50.00	50.00	52.00	54.65	98.89	52.32	43.46	51.66	-47.1%	-16.9%	18.9%
Previous	53.91	61.65	50.43	43.55	33.89	45.57	45.80	47.50	48.00	49.03	52.00	54.65	98.89	52.32	43.30	50.91	-47.1%	-17.2%	17.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	4.2%	2.0%	0.0%	0.0%	0.0%	0.0%	0.4%	1.5%			
Gasoline, regular-grade retail including taxes (\$/gallon)																			
Current	2.27	2.66	2.60	2.16	1.90	2.25	2.21	2.21	2.15	2.38	2.40	2.26	3.36	2.43	2.14	2.30	-27.8%	-11.7%	7.3%
Previous	2.27	2.66	2.60	2.16	1.90	2.25	2.21	2.15	2.05	2.35	2.40	2.25	3.36	2.43	2.13	2.27	-27.8%	-12.3%	6.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	4.9%	1.3%	0.1%	0.7%	0.0%	0.0%	0.7%	1.6%			
Diesel, retail including taxes (\$/gallon)																			
Current	2.92	2.85	2.63	2.43	2.08	2.30	2.38	2.48	2.64	2.65	2.70	2.81	3.83	2.71	2.31	2.70	-29.3%	-14.5%	16.6%
Previous	2.92	2.85	2.63	2.43	2.08	2.30	2.38	2.50	2.60	2.63	2.70	2.82	3.83	2.71	2.32	2.69	-29.3%	-14.4%	15.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	1.4%	0.8%	-0.2%	-0.3%	0.0%	0.0%	-0.2%	0.4%			
Heating Oil, residential retail including taxes (\$/gallon)																			
Current	2.88	2.76	2.47	2.24	1.95	2.05	2.11	2.39	2.58	2.53	2.57	2.71	3.71	2.65	2.12	2.62	-28.7%	-20.0%	23.3%
Previous	2.88	2.76	2.47	2.24	1.95	2.05	2.11	2.38	2.55	2.50	2.57	2.72	3.71	2.65	2.12	2.60	-28.7%	-20.1%	22.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	1.4%	1.1%	-0.1%	-0.2%	0.0%	0.0%	0.1%	0.7%			
U.S. Natural Gas																			
Henry Hub spot (\$ per million Btu)																			
Current	2.90	2.75	2.76	2.12	2.00	2.14	2.88	2.93	3.36	3.21	3.19	3.32	4.39	2.63	2.49	3.27	-40.1%	-5.5%	31.4%
Previous	2.90	2.75	2.76	2.12	2.00	2.14	2.88	2.99	3.25	3.00	3.02	3.20	4.39	2.63	2.50	3.12	-40.1%	-4.8%	24.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.3%	3.4%	7.0%	5.5%	3.8%	0.0%	0.0%	-0.7%	4.9%			
Residential Retail (\$ per thousand cubic feet)																			
Current	9.29	12.02	16.52	10.08	8.53	11.16	16.99	10.80	9.84	12.45	16.68	10.89	10.94	10.36	10.24	11.02	-5.3%	-1.2%	7.6%
Previous	9.29	12.02	16.52	10.08	8.53	11.16	16.82	10.51	9.68	12.27	16.45	10.71	10.94	10.36	10.15	10.85	-5.3%	-2.0%	6.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	2.7%	1.6%	1.4%	1.4%	1.7%	0.0%	0.0%	0.9%	1.6%			
U.S. Electric Utilities Fuel Costs (\$ per million Btu)																			
Coal																			
Current	2.27	2.25	2.22	2.15	2.13	2.14	2.12	2.19	2.17	2.20	2.23	2.21	2.36	2.23	2.14	2.21	-5.8%	-3.7%	2.9%
Previous	2.27	2.25	2.22	2.15	2.13	2.13	2.14	2.20	2.19	2.22	2.25	2.22	2.36	2.23	2.15	2.22	-5.9%	-3.3%	3.2%
Percent Change	-0.1%	0.1%	-0.1%	0.1%	0.0%	0.1%	-1.2%	-0.1%	-0.8%	-0.7%	-0.6%	-0.2%	0.0%	0.0%	-0.4%	-0.6%			
Natural Gas																			
Current	4.10	3.12	3.10	2.72	2.65	2.51	3.00	3.62	4.25	3.71	3.52	4.00	4.98	3.23	2.94	3.83	-35.2%	-9.1%	30.5%
Previous	4.09	3.12	3.09	2.72	2.65	2.51	3.01	3.59	4.12	3.49	3.34	3.87	4.98	3.22	2.94	3.67	-35.3%	-8.8%	24.8%
Percent Change	0.2%	0.2%	0.1%	0.1%	0.0%	-0.1%	-0.6%	0.9%	3.2%	6.4%	5.4%	3.2%	0.0%	0.2%	-0.1%	4.5%			
Residual Fuel Oil																			
Current	10.82	11.64	10.49	7.76	6.15	8.51	9.85	8.98	9.29	10.07	9.82	10.03	19.19	10.36	8.44	9.80	-46.0%	-18.6%	16.1%
Previous	10.82	11.64	10.48	7.76	6.15	8.51	10.78	9.36	9.11	9.80	9.73	10.01	19.19	10.36	8.82	9.65	-46.0%	-14.9%	9.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.7%	-4.0%	2.0%	2.8%	0.8%	0.2%	0.0%	0.0%	-4.3%	1.5%			
U.S. Residential Retail Electricity (cents per kilowatthour)																			
Current	12.23	12.83	12.96	12.57	12.20	12.66	12.81	12.36	12.33	12.93	13.32	12.84	12.52	12.65	12.53	12.87	1.1%	-1.0%	2.7%
Previous	12.24	12.85	12.99	12.59	12.21	12.67	12.82	12.43	12.41	13.00	13.34	12.93	12.52	12.67	12.55	12.93	1.2%	-1.0%	3.0%
Percent Change	0.0%	-0.1%	-0.3%	-0.2%	-0.1%	-0.1%	0.0%	-0.5%	-0.6%	-0.6%	-0.1%	-0.7%	0.0%	-0.2%	-0.2%	-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: December 6, 2016; Previous Forecast: November 8, 2016

	2015				2016				2017				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2014	2015	2016	2017	2014-2015	2015-2016	2016-2017
World Crude Oil and Liquid Fuels Supply (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Supply																			
Current	26.76	26.51	26.89	27.12	26.97	25.92	26.25	26.53	26.43	26.56	26.55	27.14	25.81	26.82	26.41	26.67	3.9%	-1.5%	1.0%
Previous	26.76	26.51	26.89	27.12	26.97	25.91	26.21	26.48	26.47	26.52	26.52	27.07	25.81	26.82	26.39	26.65	3.9%	-1.6%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	-0.1%	0.2%	0.1%	0.3%	0.0%	0.0%	0.1%	0.1%			
OPEC (Organization of the Petroleum Exporting Countries) Supply																			
Current	37.59	38.30	38.76	38.56	38.38	39.07	39.68	40.02	39.87	40.18	40.42	40.42	37.45	38.31	39.29	40.22	2.3%	2.6%	2.4%
Previous	37.59	38.30	38.76	38.56	38.38	39.08	39.66	39.97	39.90	40.17	40.42	40.42	37.45	38.31	39.28	40.23	2.3%	2.5%	2.4%
Percent Change	0.0%	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%			
Non-OPEC Supply																			
Current	57.13	57.16	57.68	57.92	57.14	56.42	56.63	57.19	56.54	57.29	57.32	57.63	55.88	57.48	56.85	57.20	2.8%	-1.1%	0.6%
Previous	57.14	57.18	57.70	57.94	57.16	56.43	56.60	57.34	56.58	57.25	57.28	57.68	55.90	57.49	56.88	57.20	2.8%	-1.1%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.3%	-0.1%	0.1%	0.1%	-0.1%	0.0%	0.0%	-0.1%	0.0%			
Total World Supply																			
Current	94.72	95.46	96.44	96.49	95.52	95.50	96.31	97.21	96.41	97.47	97.75	98.05	93.34	95.78	96.14	97.42	2.6%	0.4%	1.3%
Previous	94.73	95.48	96.46	96.50	95.53	95.51	96.26	97.31	96.49	97.42	97.70	98.10	93.35	95.80	96.16	97.43	2.6%	0.4%	1.3%
Percent Change	0.0%	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%			
World Crude Oil and Liquid Fuels Consumption (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Consumption																			
Current	46.63	45.64	46.92	46.46	46.72	45.97	46.64	47.13	47.02	45.95	46.90	47.58	45.86	46.41	46.62	46.87	1.2%	0.4%	0.5%
Previous	46.63	45.64	46.92	46.46	46.72	45.98	46.52	47.15	46.97	45.91	46.84	47.44	45.86	46.41	46.59	46.79	1.2%	0.4%	0.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.1%	0.1%	0.1%	0.3%	0.0%	0.0%	0.1%	0.2%			
Non-OECD Consumption																			
Current	46.71	47.82	48.28	47.81	47.46	49.31	49.52	48.93	48.79	50.57	50.88	50.24	46.72	47.66	48.81	50.13	2.0%	2.4%	2.7%
Previous	46.44	48.03	48.35	47.80	47.46	49.31	49.52	48.93	48.79	50.57	50.88	50.24	46.72	47.66	48.81	50.13	2.0%	2.4%	2.7%
Percent Change	0.6%	-0.4%	-0.1%	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%			
China Consumption																			
Current	11.13	11.26	11.35	11.38	11.25	11.87	11.72	11.77	11.56	12.20	12.15	12.09	10.85	11.28	11.65	12.00	4.0%	3.3%	3.0%
Previous	10.87	11.46	11.42	11.37	11.25	11.87	11.72	11.77	11.56	12.20	12.15	12.09	10.85	11.28	11.65	12.00	4.0%	3.3%	3.0%
Percent Change	2.4%	-1.8%	-0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Total World Consumption																			
Current	93.34	93.46	95.19	94.26	94.18	95.29	96.16	96.06	95.81	96.52	97.78	97.83	92.58	94.07	95.43	96.99	1.6%	1.4%	1.6%
Previous	93.08	93.66	95.26	94.26	94.18	95.29	96.04	96.08	95.75	96.48	97.73	97.69	92.58	94.07	95.40	96.92	1.6%	1.4%	1.6%
Percent Change	0.3%	-0.2%	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%			
Closing Stocks (million barrels)																			
OECD Commercial Inventory																			
Current	2,772	2,859	2,934	2,967	2,997	3,041	3,046	3,057	3,059	3,105	3,106	3,077	2,688	2,967	3,057	3,077	10.4%	3.0%	0.6%
Previous	2,772	2,859	2,934	2,967	2,997	3,041	3,049	3,054	3,064	3,111	3,112	3,088	2,688	2,967	3,054	3,088	10.4%	2.9%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	-0.2%	-0.2%	-0.2%	-0.4%	0.0%	0.0%	0.1%	-0.4%			
OPEC Surplus Production Capacity and World Macroeconomic																			
OPEC Surplus Crude Oil Production Capacity (million barrels per day)																			
Current	1.94	1.56	1.34	1.56	1.85	1.26	0.96	1.14	1.42	1.18	1.00	1.17	2.08	1.60	1.30	1.19	-23.3%	-18.6%	-8.5%
Previous	1.94	1.56	1.34	1.56	1.84	1.27	0.96	1.15	1.38	1.17	0.98	1.17	2.08	1.60	1.30	1.17	-23.3%	-18.4%	-9.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.4%	-0.6%	0.0%	-0.8%	2.2%	1.1%	2.4%	0.0%	0.0%	0.0%	-0.2%	1.4%			
World Oil-Consumption-Weighted GDP Growth (annualized percent change)																			
Current	2.82	2.65	2.48	2.23	2.10	2.16	2.21	2.41	2.54	2.63	2.75	2.72	2.81	2.54	2.22	2.66			
Previous	2.80	2.63	2.45	2.20	2.07	2.13	2.13	2.32	2.46	2.56	2.75	2.73	2.78	2.52	2.16	2.63			

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: December 6, 2016; Previous Forecast: November 8, 2016

	2015				2016				2017				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2014	2015	2016	2017	2014-2015	2015-2016	2016-2017
U.S. Supply (million barrels per day)																			
U.S. Crude Oil Production																			
Current	9.49	9.47	9.41	9.30	9.17	8.85	8.67	8.75	8.75	8.74	8.70	8.94	8.76	9.42	8.86	8.78	7.4%	-5.9%	-0.9%
Previous	9.49	9.47	9.41	9.30	9.17	8.85	8.68	8.68	8.68	8.71	8.67	8.87	8.76	9.42	8.84	8.73	7.4%	-6.1%	-1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.7%	0.7%	0.4%	0.3%	0.8%	0.0%	0.0%	0.2%	0.6%			
U.S. Natural Gas Plant Liquids Production																			
Current	3.15	3.34	3.40	3.47	3.38	3.57	3.46	3.49	3.46	3.71	3.91	4.03	3.01	3.34	3.48	3.78	10.9%	4.1%	8.7%
Previous	3.15	3.34	3.40	3.47	3.38	3.57	3.48	3.51	3.53	3.70	3.93	4.06	3.01	3.34	3.48	3.81	10.9%	4.3%	9.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.4%	-2.1%	0.4%	-0.5%	-0.7%	0.0%	0.0%	-0.2%	-0.7%			
U.S. Ethanol Production																			
Current	0.96	0.96	0.96	0.99	0.99	0.97	1.01	1.00	1.00	1.00	1.00	1.01	0.93	0.97	0.99	1.00	3.5%	2.8%	0.8%
Previous	0.96	0.96	0.96	0.99	0.99	0.97	1.01	0.99	1.00	1.00	0.99	0.98	0.93	0.97	0.99	0.99	3.5%	2.4%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	1.0%	0.0%	0.0%	1.1%	2.5%	0.0%	0.0%	0.3%	0.9%			
U.S. Total Petroleum and Other Liquid Fuel Net Imports																			
Current	5.03	4.68	4.83	4.32	4.97	4.68	5.15	4.59	4.45	4.91	4.83	4.04	5.07	4.71	4.85	4.56	-7.0%	2.9%	-6.0%
Previous	5.03	4.68	4.83	4.32	4.97	4.68	5.07	4.56	4.53	5.01	4.89	4.03	5.07	4.71	4.82	4.62	-7.0%	2.3%	-4.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.7%	-1.9%	-2.1%	-1.2%	0.1%	0.0%	0.0%	0.6%	-1.3%			
U.S. Consumption (million barrels per day)																			
U.S. Gasoline																			
Current	8.84	9.29	9.41	9.17	9.09	9.44	9.56	9.16	9.07	9.52	9.54	9.37	8.92	9.18	9.31	9.37	2.9%	1.5%	0.6%
Previous	8.84	9.29	9.41	9.17	9.09	9.44	9.51	9.25	9.08	9.51	9.53	9.36	8.92	9.18	9.32	9.37	2.9%	1.6%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-1.0%	-0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	-0.1%	0.0%			
U.S. Distillate																			
Current	4.26	3.90	3.96	3.86	3.90	3.80	3.79	4.02	4.01	3.88	3.85	4.02	4.04	4.00	3.88	3.94	-1.0%	-3.0%	1.7%
Previous	4.26	3.90	3.96	3.86	3.90	3.80	3.71	3.98	4.03	3.88	3.80	3.98	4.04	4.00	3.85	3.92	-1.0%	-3.7%	2.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	1.0%	-0.5%	-0.1%	1.3%	1.2%	0.0%	0.0%	0.8%	0.5%			
U.S. Jet Fuel																			
Current	1.46	1.57	1.60	1.57	1.50	1.61	1.68	1.65	1.52	1.58	1.64	1.64	1.47	1.55	1.61	1.60	5.3%	4.1%	-0.9%
Previous	1.46	1.57	1.60	1.57	1.50	1.61	1.68	1.58	1.48	1.58	1.64	1.57	1.47	1.55	1.59	1.57	5.3%	3.0%	-1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	4.5%	2.5%	0.3%	0.2%	4.5%	0.0%	0.0%	1.1%	1.8%			
U.S. Hydrocarbon Gas Liquids																			
Current	2.78	2.37	2.39	2.66	2.73	2.25	2.40	2.68	2.73	2.35	2.54	2.93	2.45	2.55	2.51	2.64	4.1%	-1.4%	5.0%
Previous	2.78	2.37	2.39	2.66	2.73	2.25	2.32	2.71	2.75	2.37	2.62	2.99	2.45	2.55	2.50	2.68	4.1%	-1.7%	7.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	-1.4%	-0.7%	-0.9%	-2.9%	-1.8%	0.0%	0.0%	0.4%	-1.6%			
U.S. Total Petroleum and Other Liquid Fuels																			
Current	19.41	19.47	19.83	19.42	19.45	19.42	19.90	19.88	19.53	19.69	20.10	20.28	19.11	19.53	19.66	19.90	2.2%	0.7%	1.2%
Previous	19.41	19.47	19.83	19.42	19.45	19.42	19.79	19.90	19.55	19.73	20.12	20.21	19.11	19.53	19.64	19.90	2.2%	0.6%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-0.1%	-0.1%	-0.2%	-0.1%	0.3%	0.0%	0.0%	0.1%	0.0%			
U.S. Closing Stocks (million barrels)																			
U.S. Crude Oil																			
Current	443.2	438.8	429.1	449.2	501.5	498.0	469.1	474.5	491.4	474.8	452.7	439.8	360.9	449.2	474.5	439.8	24.5%	5.6%	-7.3%
Previous	443.2	438.8	429.1	449.2	501.5	498.0	469.8	467.9	486.8	471.5	450.4	438.0	360.9	449.2	467.9	438.0	24.5%	4.2%	-6.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	1.4%	1.0%	0.7%	0.5%	0.4%	0.0%	0.0%	1.4%	0.4%			
U.S. Total Gasoline																			
Current	232.9	221.1	225.2	235.5	243.3	242.1	227.0	237.7	233.7	229.5	228.8	240.5	240.4	235.5	237.7	240.5	-2.0%	1.0%	1.1%
Previous	232.9	221.1	225.2	235.5	243.3	242.1	227.1	239.5	233.6	229.8	228.9	240.8	240.4	235.5	239.5	240.8	-2.0%	1.7%	0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.7%	0.0%	-0.1%	0.0%	-0.1%	0.0%	0.0%	-0.7%	-0.1%			
U.S. Distillate Fuel Oil																			
Current	128.7	139.6	149.4	161.3	160.6	149.2	160.4	160.1	141.9	144.7	151.6	151.5	136.3	161.3	160.1	151.5	18.4%	-0.7%	-5.4%
Previous	128.7	139.6	149.4	161.3	160.6	149.2	160.2	157.5	138.7	141.4	148.3	148.5	136.3	161.3	157.5	148.5	18.4%	-2.4%	-5.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	1.7%	2.3%	2.3%	2.2%	2.0%	0.0%	0.0%	1.7%	2.0%			

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: December 6, 2016; Previous Forecast: November 8, 2016

	2015				2016				2017				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2014	2015	2016	2017	2014-2015	2015-2016	2016-2017
U.S. Supply (billion cubic feet per day)																			
U.S. Total Marketed Production																			
Current	78.03	79.17	79.17	78.72	78.66	77.52	76.88	76.89	78.25	79.60	80.52	81.36	75.34	78.78	77.48	79.94	4.6%	-1.6%	3.2%
Previous	78.03	79.17	79.17	78.72	78.66	77.52	76.70	76.44	78.11	79.55	81.04	82.25	75.34	78.78	77.33	80.25	4.6%	-1.8%	3.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.6%	0.2%	0.1%	-0.7%	-1.1%	0.0%	0.0%	0.2%	-0.4%			
U.S. Federal GOM Marketed Production																			
Current	3.27	3.54	3.81	3.49	3.48	3.34	3.23	3.31	3.35	3.33	3.21	3.22	3.43	3.53	3.34	3.28	2.8%	-5.4%	-1.8%
Previous	3.27	3.54	3.81	3.49	3.48	3.34	3.27	3.31	3.35	3.33	3.21	3.22	3.43	3.53	3.35	3.28	2.8%	-5.1%	-2.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%			
U.S. Lower 48 ex GOM Marketed Production																			
Current	73.77	74.70	74.49	74.25	74.20	73.32	72.77	72.63	73.93	75.44	76.54	77.22	70.96	74.30	73.23	75.79	4.7%	-1.4%	3.5%
Previous	73.77	74.70	74.49	74.25	74.20	73.32	72.61	72.21	73.78	75.40	77.07	78.10	70.96	74.30	73.08	76.10	4.7%	-1.6%	4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.6%	0.2%	0.1%	-0.7%	-1.1%	0.0%	0.0%	0.2%	-0.4%			
U.S. Pipeline Gross Imports																			
Current	8.4	6.7	6.7	7.1	8.1	7.8	8.1	7.6	8.5	7.2	7.3	7.5	7.2	7.2	7.9	7.6	-0.4%	9.9%	-3.9%
Previous	8.4	6.7	6.7	7.1	8.1	7.8	8.1	8.0	8.5	7.2	7.3	7.5	7.2	7.2	8.0	7.6	-0.4%	11.3%	-5.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-5.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	-1.3%	0.0%			
U.S. LNG Gross Imports																			
Current	0.43	0.08	0.26	0.24	0.33	0.19	0.18	0.19	0.27	0.17	0.18	0.22	0.16	0.25	0.23	0.21	54.4%	-10.0%	-8.0%
Previous	0.43	0.08	0.26	0.24	0.33	0.19	0.21	0.19	0.27	0.17	0.18	0.22	0.16	0.25	0.23	0.21	54.4%	-7.2%	-10.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.0%	0.0%			
U.S. Gross Exports																			
Current	5.04	4.43	4.91	5.17	5.78	5.96	6.52	6.74	7.47	7.33	7.46	7.77	4.15	4.89	6.25	7.51	17.8%	27.9%	20.1%
Previous	5.04	4.43	4.91	5.17	5.78	5.96	6.45	6.28	7.31	7.25	7.41	7.75	4.15	4.89	6.12	7.43	17.8%	25.2%	21.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	7.3%	2.2%	1.1%	0.6%	0.3%	0.0%	0.0%	2.2%	1.0%			
U.S. Consumption (billion cubic feet per day)																			
U.S. Residential																			
Current	27.46	6.82	3.47	13.02	22.46	7.13	3.48	14.41	24.34	7.07	3.55	15.28	13.94	12.63	11.86	12.51	-9.4%	-6.1%	5.5%
Previous	27.46	6.82	3.47	13.02	22.46	7.13	3.54	14.85	24.38	7.05	3.57	15.33	13.94	12.63	11.98	12.53	-9.4%	-5.1%	4.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.7%	-3.0%	-0.2%	0.3%	-0.5%	-0.3%	0.0%	0.0%	-1.0%	-0.2%			
U.S. Commercial																			
Current	15.93	5.80	4.42	9.02	13.43	5.99	4.59	9.96	14.60	6.10	4.56	10.48	9.50	8.76	8.48	8.91	-7.7%	-3.2%	5.1%
Previous	15.93	5.80	4.42	9.02	13.43	5.98	4.60	9.99	14.61	6.13	4.54	10.20	9.50	8.76	8.49	8.85	-7.7%	-3.1%	4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.3%	-0.1%	-0.5%	0.4%	2.8%	0.0%	0.0%	-0.1%	0.7%			
U.S. Industrial																			
Current	22.71	19.66	19.27	20.97	22.59	20.18	20.21	21.18	23.04	20.54	20.00	21.69	20.95	20.64	21.04	21.31	-1.5%	1.9%	1.3%
Previous	22.71	19.66	19.27	20.97	22.59	20.17	20.13	21.26	22.74	20.29	19.97	21.73	20.95	20.64	21.04	21.18	-1.5%	1.9%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.4%	-0.4%	1.4%	1.2%	0.1%	-0.2%	0.0%	0.0%	0.0%	0.6%			
U.S. Electric Power Sector																			
Current	22.98	25.11	32.25	24.92	24.19	27.50	34.91	23.78	22.99	25.95	33.46	24.50	22.32	26.34	27.60	26.75	18.0%	4.8%	-3.1%
Previous	23.05	25.28	32.50	25.07	24.27	27.58	35.21	24.57	23.83	26.41	33.52	24.23	22.32	26.50	27.92	27.02	18.7%	5.4%	-3.2%
Percent Change	-0.3%	-0.7%	-0.8%	-0.6%	-0.3%	-0.3%	-0.9%	-3.2%	-3.5%	-1.7%	-0.2%	1.1%	0.0%	-0.6%	-1.1%	-1.0%			
U.S. Total Consumption																			
Current	95.88	63.40	65.48	74.19	89.30	66.81	69.24	75.57	91.73	65.84	67.89	78.59	72.86	74.65	75.22	75.96	2.5%	0.8%	1.0%
Previous	95.94	63.57	65.73	74.34	89.38	66.89	69.54	76.90	92.26	65.97	67.85	78.06	72.86	74.81	75.66	75.97	2.7%	1.1%	0.4%
Percent Change	-0.1%	-0.3%	-0.4%	-0.2%	-0.1%	-0.1%	-0.4%	-1.7%	-0.6%	-0.2%	0.1%	0.7%	0.0%	-0.2%	-0.6%	0.0%			
U.S. Working Gas in Storage (billion cubic feet)																			
Current	1,480	2,656	3,622	3,675	2,496	3,197	3,717	3,477	1,946	2,804	3,590	3,372	3,141	3,675	3,477	3,372	17.0%	-5.4%	-3.0%
Previous	1,480	2,656	3,622	3,675	2,496	3,197	3,714	3,377	1,869	2,742	3,547	3,341	3,141	3,675	3,377	3,341	17.0%	-8.1%	-1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	3.0%	4.1%	2.2%	1.2%	0.9%	0.0%	0.0%	3.0%	0.9%			
U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)																			
Current	0.03	-0.62	-0.75	-1.62	-0.35	0.01	1.06	-0.17	0.04	0.62	0.95	0.01	-0.78	-0.75	0.14	0.41			
Previous	0.09	-0.45	-0.50	-1.47	-0.27	0.08	1.40	-0.34	0.83	0.91	0.59	-1.21	-0.78	-0.59	0.22	0.28			

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. Electricity

Current Forecast: December 6, 2016; Previous Forecast: November 8, 2016

	2015				2016				2017				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2014	2015	2016	2017	2014-2015	2015-2016	2016-2017
U.S. Electricity Generation, All Sectors (thousand megawatthours per day)																			
U.S. Total Generation																			
Current	11,324	10,754	12,420	10,187	10,663	10,753	12,760	10,570	10,904	10,882	12,515	10,739	11,215	11,172	11,189	11,263	-0.4%	0.2%	0.7%
Previous	11,355	10,770	12,460	10,207	10,671	10,772	12,820	10,608	11,074	10,918	12,513	10,590	11,215	11,198	11,221	11,276	-0.2%	0.2%	0.5%
Percent Change	-0.3%	-0.1%	-0.3%	-0.2%	-0.1%	-0.2%	-0.5%	-0.4%	-1.5%	-0.3%	0.0%	1.4%	0.0%	-0.2%	-0.3%	-0.1%			
U.S. Coal																			
Current	4,088	3,508	4,258	2,973	3,058	2,965	4,203	3,384	3,554	3,216	3,940	3,413	4,333	3,705	3,405	3,532	-14.5%	-8.1%	3.7%
Previous	4,091	3,512	4,276	2,988	3,066	2,972	4,228	3,332	3,622	3,193	3,921	3,284	4,333	3,715	3,402	3,505	-14.3%	-8.4%	3.1%
Percent Change	-0.1%	-0.1%	-0.4%	-0.5%	-0.2%	-0.2%	-0.6%	1.6%	-1.9%	0.7%	0.5%	3.9%	0.0%	-0.3%	0.1%	0.7%			
U.S. Natural gas																			
Current	3,249	3,470	4,383	3,500	3,429	3,767	4,700	3,360	3,245	3,556	4,515	3,438	3,087	3,653	3,815	3,691	18.4%	4.4%	-3.2%
Previous	3,248	3,477	4,392	3,503	3,427	3,777	4,738	3,463	3,346	3,601	4,519	3,409	3,087	3,658	3,852	3,721	18.5%	5.3%	-3.4%
Percent Change	0.0%	-0.2%	-0.2%	-0.1%	0.1%	-0.2%	-0.8%	-3.0%	-3.0%	-1.2%	-0.1%	0.8%	0.0%	-0.1%	-1.0%	-0.8%			
U.S. Petroleum																			
Current	123	61	70	56	68	63	72	63	75	68	76	67	83	77	66	72	-6.6%	-14.3%	8.0%
Previous	124	61	72	57	69	63	75	64	78	69	77	66	83	78	68	72	-5.9%	-13.1%	7.0%
Percent Change	-0.4%	0.4%	-1.8%	-1.0%	-1.0%	-0.8%	-3.7%	-2.7%	-3.5%	-1.4%	-0.8%	1.5%	0.0%	-0.7%	-2.1%	-1.1%			
U.S. Nuclear																			
Current	2,248	2,133	2,286	2,070	2,245	2,155	2,253	2,065	2,232	2,053	2,272	2,129	2,184	2,184	2,180	2,172	0.0%	-0.2%	-0.4%
Previous	2,248	2,133	2,286	2,070	2,245	2,155	2,260	2,065	2,232	2,053	2,272	2,129	2,184	2,184	2,181	2,172	0.0%	-0.1%	-0.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%			
U.S. Conventional Hydroelectric																			
Current	786	692	611	643	841	810	618	698	732	818	723	614	711	682	742	722	-4.0%	8.7%	-2.7%
Previous	803	691	617	644	846	814	618	697	726	826	729	621	711	688	743	725	-3.2%	8.0%	-2.4%
Percent Change	-2.2%	0.2%	-1.0%	-0.2%	-0.5%	-0.5%	0.0%	0.2%	0.9%	-1.0%	-0.9%	-1.0%	0.0%	-0.8%	-0.2%	-0.5%			
U.S. Other Renewables																			
Current	774	827	749	885	958	933	866	946	1,001	1,108	930	1,019	765	809	925	1,014	5.7%	14.4%	9.6%
Previous	787	837	756	889	957	933	852	937	1,006	1,115	937	1,028	765	817	919	1,021	6.9%	12.5%	11.1%
Percent Change	-1.7%	-1.2%	-0.9%	-0.5%	0.2%	0.0%	1.6%	0.9%	-0.5%	-0.7%	-0.8%	-0.9%	0.0%	-1.1%	0.6%	-0.7%			
U.S. Electricity Sales (million kilowatthours per day)																			
U.S. Residential																			
Current	4,209	3,359	4,521	3,301	3,810	3,373	4,771	3,433	3,970	3,418	4,560	3,463	3,855	3,847	3,848	3,853	-0.2%	0.0%	0.1%
Previous	4,202	3,349	4,505	3,288	3,811	3,368	4,803	3,484	4,056	3,380	4,555	3,475	3,855	3,835	3,868	3,867	-0.5%	0.9%	0.0%
Percent Change	0.2%	0.3%	0.4%	0.4%	0.0%	0.2%	-0.7%	-1.5%	-2.1%	1.1%	0.1%	-0.3%	0.0%	0.3%	-0.5%	-0.4%			
U.S. Commercial																			
Current	3,644	3,647	4,111	3,508	3,494	3,616	4,201	3,589	3,535	3,639	4,133	3,592	3,705	3,728	3,726	3,726	0.6%	-0.1%	0.0%
Previous	3,603	3,651	4,119	3,511	3,505	3,627	4,227	3,591	3,592	3,707	4,169	3,568	3,705	3,722	3,738	3,760	0.5%	0.5%	0.6%
Percent Change	1.1%	-0.1%	-0.2%	-0.1%	-0.3%	-0.3%	-0.6%	-0.1%	-1.6%	-1.8%	-0.9%	0.7%	0.0%	0.2%	-0.3%	-0.9%			
U.S. Industrial																			
Current	2,623	2,743	2,835	2,608	2,480	2,574	2,699	2,638	2,530	2,647	2,779	2,685	2,733	2,703	2,598.36	2,661	-1.1%	-3.9%	2.4%
Previous	2,546	2,666	2,757	2,535	2,492	2,574	2,723	2,585	2,550	2,657	2,744	2,556	2,733	2,626	2,594	2,627	-3.9%	-1.2%	1.3%
Percent Change	3.0%	2.9%	2.8%	2.9%	-0.5%	0.0%	-0.9%	2.1%	-0.8%	-0.4%	1.3%	5.0%	0.0%	2.9%	0.2%	1.3%			
U.S. Total																			
Current	10,498	9,769	11,488	9,438	9,805	9,583	11,692	9,681	10,058	9,726	11,494	9,761	10,314	10,299	10,193	10,262	-0.2%	-1.0%	0.7%
Previous	10,374	9,685	11,402	9,354	9,829	9,589	11,774	9,682	10,221	9,766	11,490	9,620	10,314	10,204	10,221	10,276	-1.1%	0.2%	0.5%
Percent Change	1.2%	0.9%	0.8%	0.9%	-0.2%	-0.1%	-0.7%	0.0%	-1.6%	-0.4%	0.0%	1.5%	0.0%	0.9%	-0.3%	-0.1%			

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

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

Current Forecast: December 6, 2016; Previous Forecast: November 8, 2016

	2015				2016				2017				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2014	2015	2016	2017	2014-2015	2015-2016	2016-2017
U.S. Coal (million short tons)																			
U.S. Production																			
Current	240.3	212.5	237.0	207.2	173.0	160.5	204.6	220.2	194.4	175.9	200.4	201.5	1,000	897	758	772	-10.3%	-15.5%	1.8%
Previous	240.3	212.5	237.0	207.2	173.0	160.5	204.6	208.4	198.1	174.8	199.7	195.1	1,000	897	747	768	-10.3%	-16.8%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.7%	-1.8%	0.6%	0.3%	3.3%	0.0%	0.0%	1.6%	0.6%			
U.S. Exports																			
Current	22.0	19.8	16.9	15.3	14.2	14.2	12.6	15.8	13.6	15.0	14.6	15.2	97.3	74.0	56.8	58.5	-24.0%	-23.3%	3.0%
Previous	22.0	19.8	16.9	15.3	14.2	14.2	13.3	16.3	13.2	14.4	14.0	14.6	97.3	74.0	57.9	56.2	-24.0%	-21.7%	-3.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.6%	-2.7%	3.2%	4.1%	4.4%	4.3%	0.0%	0.0%	-2.0%	4.0%			
U.S. Imports																			
Current	3.0	2.6	3.0	2.7	2.7	2.3	2.7	2.5	2.1	2.4	3.3	2.9	11.3	11.3	10.2	10.6	-0.3%	-9.6%	4.1%
Previous	3.0	2.6	3.0	2.7	2.7	2.3	3.0	2.8	2.2	2.4	3.3	2.9	11.3	11.3	10.8	10.8	-0.3%	-4.5%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.4%	-11.6%	-3.7%	-0.8%	-0.2%	0.0%	0.0%	0.0%	-5.4%	-1.0%			
U.S. Electric Power Demand																			
Current	196.7	174.4	214.8	152.6	152.2	147.1	210.3	171.2	172.3	158.2	197.5	172.9	852	738	681	701	-13.3%	-7.8%	2.9%
Previous	196.3	174.6	215.5	153.3	152.4	147.4	212.0	168.7	175.8	157.0	196.6	166.4	852	740	681	696	-13.1%	-8.0%	2.2%
Percent Change	0.2%	-0.1%	-0.3%	-0.5%	-0.1%	-0.2%	-0.8%	1.5%	-1.9%	0.8%	0.5%	3.9%	0.0%	-0.2%	0.0%	0.7%			
U.S. Secondary Stocks																			
Current	160.6	173.4	169.9	202.9	199.1	190.7	166.2	181.6	180.2	175.7	158.8	162.8	158.8	202.9	181.6	162.8	27.8%	-10.5%	-10.3%
Previous	161.2	174.0	170.4	204.2	201.1	192.9	165.6	174.9	173.9	170.0	153.7	158.2	158.8	204.2	174.9	158.2	28.6%	-14.4%	-9.5%
Percent Change	-0.4%	-0.3%	-0.3%	-0.6%	-1.0%	-1.1%	0.3%	3.9%	3.6%	3.4%	3.3%	2.9%	0.0%	-0.6%	3.9%	2.9%			
U.S. Carbon Dioxide Emissions																			
Petroleum																			
Current	563.9	572.9	586.5	571.5	571.3	571.4	585.9	586.0	566.4	577.7	588.4	591.8	2,252	2,295	2,315	2,324	1.9%	0.9%	0.4%
Previous	563.8	572.7	586.3	571.3	571.1	571.3	581.2	582.1	565.7	578.0	587.2	588.0	2,252	2,294	2,306	2,319	1.9%	0.5%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.7%	0.1%	-0.1%	0.2%	0.6%	0.0%	0.0%	0.4%	0.2%			
Coal																			
Current	394.1	350.9	426.2	311.4	311.5	298.6	421.7	349.8	344.4	316.2	391.8	353.1	1713.5	1482.5	1381.6	1405.5	-13.5%	-6.8%	1.7%
Previous	394.1	350.9	426.2	311.5	311.5	298.6	424.8	339.6	351.9	315.8	390.6	335.4	1713.5	1482.6	1374.6	1393.7	-13.5%	-7.3%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	3.0%	-2.1%	0.1%	0.3%	5.3%	0.0%	0.0%	0.5%	0.8%			
Natural Gas																			
Current	467.8	311.9	326.4	369.5	440.2	328.5	344.1	376.4	447.2	323.8	338.4	391.4	1429.5	1475.5	1489.2	1500.9	3.2%	0.9%	0.8%
Previous	466.1	311.0	325.6	368.3	438.7	327.7	342.5	381.0	447.9	323.1	336.3	386.7	1428.6	1471.0	1490.0	1494.0	3.0%	1.3%	0.3%
Percent Change	0.4%	0.3%	0.2%	0.3%	0.4%	0.2%	0.4%	-1.2%	-0.1%	0.2%	0.6%	1.2%	0.1%	0.3%	-0.1%	0.5%			
Total Fossil Fuel																			
Current	1425.8	1235.6	1339.0	1252.4	1323.0	1198.6	1351.7	1312.1	1358.0	1217.7	1318.6	1336.3	5,395	5,253	5,185	5,231	-2.6%	-1.3%	0.9%
Previous	1423.9	1234.5	1338.0	1251.1	1321.3	1197.6	1348.6	1302.7	1365.5	1216.9	1314.0	1310.1	5,394	5,248	5,170	5,207	-2.7%	-1.5%	0.7%
Percent Change	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.7%	-0.5%	0.1%	0.3%	2.0%	0.0%	0.1%	0.3%	0.5%			

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. Renewable Energy Consumption and Capacity

Current Forecast: December 6, 2016; Previous Forecast: November 8, 2016

	2015				2016				2017				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2014	2015	2016	2017	2014-2015	2015-2016	2016-2017
U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)																			
U.S. Wind Power																			
Current	0.431	0.460	0.387	0.534	0.575	0.529	0.452	0.548	0.572	0.616	0.457	0.598	1.726	1.812	2.103	2.244	5.0%	16.1%	6.7%
Previous	0.433	0.462	0.386	0.533	0.575	0.530	0.436	0.542	0.578	0.623	0.462	0.604	1.726	1.814	2.082	2.267	5.1%	14.8%	8.9%
Percent Change	-0.4%	-0.3%	0.1%	0.1%	0.0%	-0.1%	3.7%	1.1%	-0.9%	-1.0%	-1.1%	-1.1%	0.0%	-0.1%	1.0%	-1.0%			
U.S. Wood Biomass																			
Current	0.512	0.503	0.518	0.508	0.492	0.473	0.497	0.502	0.497	0.487	0.512	0.507	2.230	2.040	1.963	2.004	-8.5%	-3.8%	2.1%
Previous	0.512	0.503	0.518	0.508	0.492	0.473	0.500	0.502	0.497	0.487	0.512	0.507	2.230	2.040	1.966	2.003	-8.5%	-3.6%	1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	-0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%			
U.S. Solar Power																			
Current	0.086	0.132	0.136	0.096	0.112	0.169	0.185	0.127	0.136	0.229	0.229	0.150	0.337	0.450	0.594	0.744	33.4%	32.0%	25.2%
Previous	0.083	0.127	0.130	0.092	0.106	0.160	0.187	0.151	0.112	0.195	0.220	0.179	0.321	0.431	0.604	0.706	34.2%	40.3%	16.8%
Percent Change	4.2%	4.0%	4.5%	5.0%	6.1%	5.7%	-1.0%	-15.9%	21.3%	17.5%	3.9%	-15.9%	5.0%	4.4%	-1.7%	5.4%			
U.S. Ethanol																			
Current	0.272	0.289	0.298	0.289	0.287	0.295	0.305	0.301	0.282	0.300	0.304	0.299	1.107	1.148	1.188	1.184	3.7%	3.5%	-0.3%
Previous	0.272	0.289	0.298	0.289	0.287	0.295	0.309	0.299	0.282	0.300	0.303	0.299	1.107	1.148	1.189	1.183	3.7%	3.6%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%	0.9%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	-0.1%	0.1%			
U.S. Biodiesel																			
Current	0.034	0.059	0.065	0.057	0.051	0.066	0.088	0.076	0.059	0.071	0.086	0.087	0.198	0.215	0.281	0.303	8.7%	30.5%	8.1%
Previous	0.034	0.059	0.065	0.057	0.051	0.066	0.085	0.076	0.065	0.069	0.075	0.076	0.198	0.215	0.278	0.286	8.7%	29.2%	2.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.2%	-9.0%	2.4%	14.4%	14.9%	0.0%	0.0%	1.0%	6.3%			
U.S. Renewable Electric Power Sector Generation Capacity (MW)																			
Wind Power																			
Current	65,228	66,799	69,003	72,486	73,303	74,183	74,735	79,622	80,270	81,072	81,755	88,686	64,694	72,486	79,622	88,686	12.0%	9.8%	11.4%
Previous	65,228	66,799	69,005	72,488	73,305	74,185	74,958	80,405	81,051	81,853	82,716	89,497	64,694	72,488	80,405	89,497	12.0%	10.9%	11.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-1.0%	-1.0%	-1.0%	-1.2%	-0.9%	0.0%	0.0%	-1.0%	-0.9%			
Wood Biomass																			
Current	3,278	3,278	3,235	3,185	3,185	3,187	3,169	3,177	3,177	3,177	3,219	3,219	3,278	3,185	3,177	3,219	-2.8%	-0.3%	1.3%
Previous	3,278	3,278	3,235	3,185	3,185	3,187	3,169	3,199	3,199	3,199	3,241	3,241	3,278	3,185	3,199	3,241	-2.8%	0.4%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.7%	-0.7%	-0.7%	-0.7%	0.0%	0.0%	-0.7%	-0.7%			
Solar Power																			
Current	10,524	11,055	11,465	13,396	13,945	14,688	17,056	21,131	21,708	22,746	23,173	26,830	10,172	13,396	21,131	26,830	31.7%	57.7%	27.0%
Previous	10,529	11,060	11,471	13,412	13,966	14,726	17,388	21,497	22,059	23,167	23,599	27,615	10,172	13,412	21,497	27,615	31.8%	60.3%	28.5%
Percent Change	-0.1%	0.0%	0.0%	-0.1%	-0.2%	-0.3%	-1.9%	-1.7%	-1.6%	-1.8%	-1.8%	-2.8%	0.0%	-0.1%	-1.7%	-2.8%			

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