

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

Current Forecast: October 11, 2017; Previous Forecast: September 12, 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
U.S. Energy Supply																			
U.S. Crude Oil Production (million barrels per day)																			
Current	9.14	8.82	8.65	8.81	9.02	9.13	9.22	9.60	9.80	9.95	9.86	10.08	9.41	8.86	9.24	9.92	-5.9%	4.3%	7.4%
Previous	9.14	8.82	8.64	8.81	9.02	9.12	9.24	9.62	9.78	9.85	9.74	9.99	9.41	8.85	9.25	9.84	-5.9%	4.5%	6.4%
Percent Change	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	-0.2%	-0.2%	0.2%	1.0%	1.2%	0.9%	0.0%	0.1%	-0.1%	0.8%			
U.S. Dry Natural Gas Production (billion cubic feet per day)																			
Current	74.14	73.28	72.45	71.55	71.42	72.15	74.07	76.82	77.82	78.47	78.72	78.92	74.15	72.85	73.63	78.49	-1.8%	1.1%	6.6%
Previous	73.77	72.38	71.84	71.20	71.35	72.41	74.06	76.88	77.92	78.17	78.01	78.39	74.14	72.29	73.69	78.12	-2.5%	1.9%	6.0%
Percent Change	0.5%	1.2%	0.8%	0.5%	0.1%	-0.4%	0.0%	-0.1%	-0.1%	0.4%	0.9%	0.7%	0.0%	0.8%	-0.1%	0.5%			
U.S. Coal Production (million short tons)																			
Current	173.0	160.5	195.1	199.5	197.0	187.1	206.5	194.4	197.4	175.4	204.4	210.6	897.0	728.2	785.0	787.8	-18.8%	7.8%	0.4%
Previous	173.0	160.5	195.1	199.5	197.0	190.2	205.9	195.9	200.5	181.1	212.7	213.7	897.0	728.2	789.0	807.9	-18.8%	8.3%	2.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	0.3%	-0.8%	-1.5%	-3.2%	-3.9%	-1.4%	0.0%	0.0%	-0.5%	-2.5%			
U.S. Energy Consumption																			
U.S. Petroleum and Other Liquid Fuels Consumption (million barrels per day)																			
Current	19.54	19.50	19.94	19.77	19.49	20.03	20.08	20.05	19.89	20.23	20.69	20.53	19.53	19.69	19.92	20.34	0.8%	1.2%	2.1%
Previous	19.45	19.42	19.90	19.75	19.49	20.01	20.29	20.13	19.96	20.26	20.73	20.55	19.53	19.63	19.98	20.38	0.5%	1.8%	2.0%
Percent Change	0.5%	0.4%	0.2%	0.1%	0.0%	0.1%	-1.0%	-0.4%	-0.4%	-0.2%	-0.2%	-0.1%	0.0%	0.3%	-0.3%	-0.2%			
U.S. Natural Gas Consumption (billion cubic feet per day)																			
Current	89.02	66.66	69.14	75.63	85.83	62.54	66.07	78.14	93.68	66.82	68.00	79.10	74.64	75.10	73.11	76.84	0.6%	-2.7%	5.1%
Previous	89.13	66.62	69.05	75.70	85.57	62.32	65.04	77.84	92.57	65.43	66.76	78.61	74.65	75.11	72.65	75.78	0.6%	-3.3%	4.3%
Percent Change	-0.1%	0.1%	0.1%	-0.1%	0.3%	0.4%	1.6%	0.4%	1.2%	2.1%	1.9%	0.6%	0.0%	0.0%	0.6%	1.4%			
U.S. Electricity Retail Sales (million kilowatthours per day)																			
Current	9,805	9,584	11,688	9,469	9,726	9,681	11,308	9,586	10,207	9,845	11,490	9,672	10,299	10,139	10,078	10,305	-1.6%	-0.6%	2.3%
Previous	9,805	9,584	11,688	9,469	9,726	9,681	11,349	9,567	10,205	9,849	11,571	9,664	10,299	10,139	10,084	10,324	-1.6%	-0.5%	2.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	0.2%	0.0%	0.0%	-0.7%	0.1%	0.0%	0.0%	-0.1%	-0.2%			
U.S. Total Energy Consumption (quadrillion Btu)																			
Current	25.26	22.95	24.79	24.45	25.02	23.18	24.08	24.41	25.56	23.18	24.51	24.73	97.36	97.45	96.68	97.98	0.1%	-0.8%	1.3%
Previous	25.23	22.95	24.76	24.45	25.01	23.00	24.06	24.49	25.60	23.22	24.64	24.79	97.37	97.39	96.55	98.26	0.0%	-0.9%	1.8%
Percent Change	0.1%	0.0%	0.1%	0.0%	0.0%	0.8%	0.1%	-0.3%	-0.2%	-0.2%	-0.6%	-0.2%	0.0%	0.1%	0.1%	-0.3%			
U.S. Macroeconomic and Weather																			
U.S. Real Gross Domestic Product (billion chained 2009 dollars)																			
Current	16,572	16,664	16,778	16,851	16,903	17,030	17,113	17,223	17,360	17,478	17,574	17,681	16,472	16,716	17,067	17,523	1.5%	2.1%	2.7%
Previous	16,572	16,664	16,778	16,851	16,903	17,011	17,140	17,236	17,361	17,467	17,569	17,682	16,472	16,716	17,072	17,520	1.5%	2.1%	2.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.2%	-0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
U.S. Manufacturing Production Index (index 2012 = 100)																			
Current	102.9	102.6	102.7	103.1	103.7	104.4	104.3	104.9	105.8	106.6	107.1	107.9	102.6	102.8	104.3	106.8	0.2%	1.5%	2.4%
Previous	102.9	102.6	102.7	103.1	103.7	104.1	104.3	104.6	105.4	106.1	106.7	107.7	102.6	102.8	104.2	106.5	0.2%	1.3%	2.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.3%	0.4%	0.5%	0.3%	0.2%	0.0%	0.0%	0.1%	0.3%			
U.S. Heating Degree Days																			
Current	1,948	481	51	1,399	1,859	428	74	1,545	2,128	481	72	1,518	4,087	3,879	3,906	4,199	-5.1%	0.7%	7.5%
Previous	1,948	481	51	1,398	1,857	428	81	1,539	2,128	481	72	1,518	4,087	3,877	3,905	4,199	-5.1%	0.7%	7.5%
Percent Change	0.0%	0.1%	0.5%	0.1%	0.1%	0.1%	-8.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%			
U.S. Cooling Degree Days																			
Current	54	411	965	129	70	401	857	90	45	418	886	102	1,488	1,559	1,418	1,452	4.8%	-9.0%	2.4%
Previous	55	412	966	129	70	400	829	91	45	418	886	102	1,488	1,561	1,390	1,452	4.9%	-11.0%	4.5%
Percent Change	-0.6%	-0.2%	-0.1%	0.3%	0.0%	0.2%	3.4%	-0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	2.0%	0.0%			

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: October 11, 2017; Previous Forecast: September 12, 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
U.S. Petroleum																			
WTI spot (\$/barrel)																			
Current	33.35	45.46	44.85	49.18	51.64	48.15	48.13	50.85	49.50	49.50	50.80	52.45	48.67	43.33	49.69	50.57	-11.0%	14.7%	1.8%
Previous	33.35	45.46	44.85	49.18	51.64	48.15	47.74	47.83	48.00	48.00	49.97	52.31	48.67	43.33	48.83	49.58	-11.0%	12.7%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	6.3%	3.1%	3.1%	1.7%	0.3%	0.0%	0.0%	1.7%	2.0%			
Refiner composite crude oil acquisition cost (\$/barrel)																			
Current	30.84	42.23	42.90	46.56	49.91	47.66	47.32	49.83	48.50	48.50	49.82	51.52	48.40	40.69	48.64	49.59	-15.9%	19.5%	1.9%
Previous	30.84	42.23	42.90	46.56	49.91	47.63	46.67	46.84	47.00	47.00	48.97	51.35	48.40	40.69	47.74	48.58	-15.9%	17.3%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	1.4%	6.4%	3.2%	3.2%	1.7%	0.3%	0.0%	0.0%	1.9%	2.1%			
Brent spot average (\$/barrel)																			
Current	33.89	45.57	45.80	49.25	53.57	49.59	52.09	54.52	53.00	53.00	54.30	55.95	52.32	43.74	52.43	54.07	-16.4%	19.9%	3.1%
Previous	33.89	45.57	45.80	49.25	53.57	49.59	50.79	50.35	50.00	50.00	51.97	54.31	52.32	43.74	51.07	51.58	-16.4%	16.8%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	8.3%	6.0%	6.0%	4.5%	3.0%	0.0%	0.0%	2.7%	4.8%			
Gasoline, regular-grade retail including taxes (\$/gallon)																			
Current	1.90	2.25	2.21	2.23	2.33	2.38	2.44	2.41	2.30	2.49	2.49	2.34	2.43	2.15	2.39	2.41	-11.5%	11.2%	0.7%
Previous	1.90	2.25	2.21	2.23	2.33	2.38	2.43	2.31	2.22	2.42	2.43	2.30	2.43	2.15	2.36	2.35	-11.5%	9.9%	-0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	4.3%	3.5%	3.0%	2.5%	1.7%	0.0%	0.0%	1.2%	2.6%			
Diesel, retail including taxes (\$/gallon)																			
Current	2.08	2.30	2.38	2.47	2.57	2.55	2.63	2.82	2.76	2.75	2.81	2.86	2.71	2.31	2.64	2.79	-14.6%	14.3%	5.7%
Previous	2.08	2.30	2.38	2.47	2.57	2.55	2.60	2.72	2.67	2.68	2.73	2.82	2.71	2.31	2.61	2.72	-14.6%	12.9%	4.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	3.9%	3.2%	2.8%	2.8%	1.4%	0.0%	0.0%	1.3%	2.6%			
Heating Oil, residential retail including taxes (\$/gallon)																			
Current	1.95	2.05	2.11	2.33	2.47	2.38	2.36	2.64	2.68	2.55	2.59	2.69	2.65	2.10	2.50	2.66	-20.6%	18.8%	6.3%
Previous	1.95	2.05	2.11	2.33	2.47	2.39	2.38	2.56	2.60	2.47	2.51	2.64	2.65	2.10	2.48	2.58	-20.6%	17.8%	4.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-1.0%	3.0%	3.2%	3.1%	3.1%	1.9%	0.0%	0.0%	0.9%	2.8%			
U.S. Natural Gas																			
Henry Hub spot (\$ per million Btu)																			
Current	2.00	2.14	2.88	3.04	3.01	3.08	2.95	3.07	3.30	3.10	3.14	3.23	2.63	2.51	3.03	3.19	-4.4%	20.4%	5.3%
Previous	2.00	2.14	2.88	3.04	3.01	3.08	2.95	3.17	3.41	3.17	3.19	3.38	2.63	2.51	3.05	3.29	-4.4%	21.4%	7.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-3.0%	-3.5%	-2.2%	-1.7%	-4.6%	0.0%	0.0%	-0.8%	-3.0%			
Residential Retail (\$ per thousand cubic feet)																			
Current	8.51	11.15	16.96	10.18	9.73	12.92	17.40	10.83	9.86	12.45	16.74	10.81	10.36	10.04	11.10	10.99	-3.1%	10.5%	-1.0%
Previous	8.54	11.17	17.01	10.19	9.73	12.92	16.89	10.77	9.87	12.51	16.75	10.89	10.36	10.06	11.05	11.02	-2.9%	9.9%	-0.3%
Percent Change	-0.3%	-0.2%	-0.3%	-0.1%	0.0%	0.0%	3.0%	0.5%	-0.2%	-0.5%	0.0%	-0.7%	0.0%	-0.2%	0.4%	-0.3%			
U.S. Electric Utilities Fuel Costs (\$ per million Btu)																			
Coal																			
Current	2.13	2.13	2.11	2.08	2.08	2.12	2.16	2.17	2.18	2.19	2.21	2.20	2.23	2.11	2.14	2.20	-5.0%	1.0%	2.8%
Previous	2.13	2.13	2.11	2.08	2.08	2.14	2.20	2.17	2.18	2.19	2.21	2.20	2.23	2.11	2.15	2.19	-5.0%	1.7%	2.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	-1.6%	0.4%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.1%			
Natural Gas																			
Current	2.65	2.51	3.00	3.36	3.69	3.38	3.25	3.67	4.16	3.58	3.45	3.85	3.23	2.88	3.47	3.72	-11.0%	20.6%	7.3%
Previous	2.65	2.51	3.00	3.36	3.69	3.35	3.23	3.75	4.28	3.65	3.50	4.01	3.23	2.88	3.47	3.82	-11.0%	20.9%	10.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.5%	-2.2%	-2.9%	-1.9%	-1.5%	-4.1%	0.0%	0.0%	-0.2%	-2.6%			
Residual Fuel Oil																			
Current	6.15	8.51	9.70	9.08	11.16	10.60	9.91	10.46	10.29	10.85	10.52	10.61	10.36	8.41	10.51	10.56	-18.9%	25.0%	0.5%
Previous	6.15	8.51	9.70	9.08	11.16	10.71	9.93	9.88	9.61	10.21	9.94	10.15	10.36	8.41	10.40	9.97	-18.9%	23.7%	-4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	-0.2%	5.8%	7.1%	6.3%	5.9%	4.5%	0.0%	0.0%	1.1%	6.0%			
U.S. Residential Retail Electricity (cents per kilowatthour)																			
Current	12.20	12.66	12.81	12.45	12.61	13.00	13.32	12.80	12.81	13.46	13.73	13.18	12.65	12.55	12.96	13.31	-0.8%	3.2%	2.7%
Previous	12.20	12.66	12.81	12.45	12.61	13.00	13.42	12.89	12.87	13.49	13.87	13.26	12.65	12.55	13.01	13.39	-0.8%	3.6%	3.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	-0.7%	-0.4%	-0.3%	-1.0%	-0.6%	0.0%	0.0%	-0.4%	-0.6%			

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: October 11, 2017; Previous Forecast: September 12, 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
World Crude Oil and Liquid Fuels Supply (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Supply																			
Current	27.02	25.97	26.32	26.86	26.98	26.77	26.87	27.93	28.19	28.52	28.54	29.12	26.84	26.54	27.14	28.60	-1.1%	2.3%	5.4%
Previous	26.96	25.87	26.28	26.84	26.97	26.81	27.11	28.04	28.28	28.46	28.40	29.04	26.84	26.49	27.23	28.55	-1.3%	2.8%	4.8%
Percent Change	0.2%	0.4%	0.1%	0.1%	0.0%	-0.1%	-0.9%	-0.4%	-0.3%	0.2%	0.5%	0.3%	0.0%	0.2%	-0.3%	0.2%			
OPEC (Organization of the Petroleum Exporting Countries) Supply																			
Current	38.77	39.00	39.35	39.81	38.84	39.28	39.68	39.62	39.66	39.87	40.14	40.13	38.24	39.23	39.36	39.95	2.6%	0.3%	1.5%
Previous	38.76	39.00	39.37	39.83	38.84	39.27	39.82	39.89	39.84	40.06	40.32	40.31	38.23	39.24	39.46	40.13	2.6%	0.5%	1.7%
Percent Change	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.4%	-0.7%	-0.5%	-0.5%	-0.5%	-0.5%	0.0%	0.0%	-0.3%	-0.5%			
Non-OPEC Supply																			
Current	58.26	57.47	57.69	58.55	58.13	58.31	58.61	59.46	59.27	60.15	60.29	60.74	58.48	57.99	58.63	60.12	-0.8%	1.1%	2.5%
Previous	58.20	57.38	57.66	58.54	58.15	58.50	58.92	59.62	59.42	60.25	60.23	60.70	58.48	57.94	58.80	60.15	-0.9%	1.5%	2.3%
Percent Change	0.1%	0.2%	0.1%	0.0%	0.0%	-0.3%	-0.5%	-0.3%	-0.2%	-0.2%	0.1%	0.1%	0.0%	0.1%	-0.3%	-0.1%			
Total World Supply																			
Current	97.03	96.47	97.04	98.36	96.98	97.59	98.29	99.08	98.93	100.03	100.43	100.86	96.72	97.23	97.99	100.07	0.5%	0.8%	2.1%
Previous	96.97	96.38	97.03	98.37	96.99	97.77	98.73	99.51	99.25	100.31	100.55	101.01	96.72	97.19	98.26	100.28	0.5%	1.1%	2.1%
Percent Change	0.1%	0.1%	0.0%	0.0%	0.0%	-0.2%	-0.4%	-0.4%	-0.3%	-0.3%	-0.1%	-0.1%	0.0%	0.0%	-0.3%	-0.2%			
World Crude Oil and Liquid Fuels Consumption (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Consumption																			
Current	46.73	46.09	47.31	47.38	46.88	47.00	47.48	47.60	47.46	46.89	48.02	48.11	46.44	46.88	47.24	47.62	1.0%	0.8%	0.8%
Previous	46.64	46.00	47.28	47.37	46.86	46.81	47.63	47.62	47.53	46.93	48.06	48.13	46.43	46.82	47.23	47.66	0.8%	0.9%	0.9%
Percent Change	0.2%	0.2%	0.1%	0.0%	0.0%	0.4%	-0.3%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.1%	0.0%	-0.1%			
Non-OECD Consumption																			
Current	49.27	50.28	50.27	50.51	50.34	51.31	51.30	51.30	51.61	52.57	52.54	52.36	48.99	50.08	51.07	52.27	2.2%	2.0%	2.4%
Previous	49.27	50.28	50.27	50.51	50.29	51.25	51.26	51.29	51.62	52.58	52.56	52.38	48.99	50.08	51.03	52.29	2.2%	1.9%	2.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%			
China Consumption																			
Current	12.29	12.64	12.31	12.55	13.00	13.00	12.67	12.73	13.42	13.33	13.00	13.06	12.02	12.45	12.85	13.20	3.6%	3.2%	2.7%
Previous	12.29	12.64	12.31	12.55	12.94	12.94	12.62	12.68	13.35	13.26	12.93	12.99	12.02	12.45	12.79	13.13	3.6%	2.8%	2.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.4%	0.4%	0.5%	0.5%	0.5%	0.5%	0.0%	0.0%	0.4%	0.5%			
Total World Consumption																			
Current	96.00	96.36	97.58	97.88	97.22	98.31	98.77	98.91	99.07	99.46	100.56	100.47	95.43	96.96	98.31	99.89	1.6%	1.4%	1.6%
Previous	95.91	96.28	97.55	97.87	97.14	98.06	98.89	98.91	99.15	99.51	100.62	100.51	95.42	96.91	98.26	99.95	1.6%	1.4%	1.7%
Percent Change	0.1%	0.1%	0.0%	0.0%	0.1%	0.3%	-0.1%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.1%	0.1%	-0.1%			
Closing Stocks (million barrels)																			
OECD Commercial Inventory																			
Current	3,000	3,039	3,047	2,966	3,008	2,997	2,982	2,964	2,975	3,020	3,032	3,024	2,967	2,966	2,964	3,024	0.0%	-0.1%	2.0%
Previous	2,997	3,037	3,043	2,967	3,012	3,001	2,992	2,995	3,011	3,067	3,071	3,066	2,970	2,967	2,995	3,066	-0.1%	0.9%	2.4%
Percent Change	0.1%	0.1%	0.1%	0.0%	-0.1%	-0.1%	-0.3%	-1.0%	-1.2%	-1.5%	-1.3%	-1.4%	-0.1%	0.0%	-1.0%	-1.4%			
OPEC Surplus Production Capacity and World Macroeconomic																			
OPEC Surplus Crude Oil Production Capacity (million barrels per day)																			
Current	1.42	1.22	0.95	1.00	2.19	2.16	1.95	2.08	1.93	1.32	1.22	1.22	1.46	1.15	2.09	1.42	-21.4%	82.7%	-32.2%
Previous	1.42	1.22	0.95	1.00	2.21	2.17	2.01	2.08	1.93	1.32	1.22	1.22	1.46	1.15	2.11	1.42	-21.4%	84.2%	-32.8%
Percent Change	0.0%	0.0%	-0.1%	-0.2%	-0.5%	-0.3%	-2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.9%	0.0%			
World Oil-Consumption-Weighted GDP Growth (annualized percent change)																			
Current	2.29	2.34	2.43	2.60	2.71	2.88	2.83	2.88	2.99	3.11	3.17	3.20	2.70	2.42	2.82	3.12			
Previous	2.20	2.24	2.34	2.52	2.68	2.80	2.80	2.82	2.91	3.08	3.11	3.18	2.69	2.32	2.78	3.07			

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. Petroleum and Other Liquid Fuels

Current Forecast: October 11, 2017; Previous Forecast: September 12, 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
U.S. Supply (million barrels per day)																			
U.S. Crude Oil Production																			
Current	9.14	8.82	8.65	8.81	9.02	9.13	9.22	9.60	9.80	9.95	9.86	10.08	9.41	8.86	9.24	9.92	-5.9%	4.3%	7.4%
Previous	9.14	8.82	8.64	8.81	9.02	9.12	9.24	9.62	9.78	9.85	9.74	9.99	9.41	8.85	9.25	9.84	-5.9%	4.5%	6.4%
Percent Change	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	-0.2%	-0.2%	0.2%	1.0%	1.2%	0.9%	0.0%	0.1%	-0.1%	0.8%			
U.S. Natural Gas Plant Liquids Production																			
Current	3.42	3.64	3.48	3.50	3.54	3.70	3.63	3.93	4.01	4.19	4.33	4.41	3.34	3.51	3.70	4.24	5.0%	5.4%	14.5%
Previous	3.38	3.57	3.46	3.49	3.54	3.70	3.78	4.03	4.13	4.24	4.31	4.42	3.34	3.48	3.76	4.28	4.1%	8.2%	13.6%
Percent Change	1.3%	1.8%	0.5%	0.1%	0.0%	0.0%	-4.2%	-2.5%	-2.8%	-1.1%	0.3%	-0.3%	0.0%	0.9%	-1.7%	-0.9%			
U.S. Ethanol Production																			
Current	0.99	0.98	1.01	1.03	1.04	1.01	1.03	1.03	1.02	1.04	1.04	1.05	0.97	1.00	1.03	1.04	3.8%	2.4%	1.0%
Previous	0.99	0.97	1.01	1.02	1.03	1.01	1.03	1.03	1.03	1.04	1.04	1.05	0.97	1.00	1.03	1.04	3.2%	2.8%	1.2%
Percent Change	0.5%	0.5%	0.6%	0.6%	0.7%	0.0%	0.0%	-0.2%	-0.3%	0.1%	-0.1%	-0.1%	0.0%	0.5%	0.1%	-0.1%			
U.S. Total Petroleum and Other Liquid Fuel Net Imports																			
Current	4.92	4.56	5.10	4.60	4.28	4.25	4.45	3.61	3.67	3.81	3.99	2.83	4.71	4.79	4.15	3.58	1.8%	-13.5%	-13.8%
Previous	4.97	4.68	5.15	4.68	4.29	4.25	4.57	3.52	3.54	3.91	3.93	3.02	4.71	4.87	4.16	3.60	3.4%	-14.7%	-13.4%
Percent Change	-1.1%	-2.5%	-0.9%	-1.8%	-0.2%	0.1%	-2.5%	2.6%	3.9%	-2.5%	1.6%	-6.1%	0.0%	-1.6%	-0.2%	-0.6%			
U.S. Consumption (million barrels per day)																			
U.S. Gasoline																			
Current	9.08	9.40	9.58	9.20	8.95	9.54	9.52	9.26	8.95	9.54	9.63	9.32	9.18	9.32	9.32	9.36	1.5%	0.0%	0.5%
Previous	9.09	9.44	9.56	9.22	8.95	9.54	9.54	9.29	8.98	9.53	9.64	9.33	9.18	9.33	9.33	9.37	1.6%	0.0%	0.4%
Percent Change	-0.1%	-0.4%	0.2%	-0.1%	0.0%	0.0%	-0.3%	-0.3%	-0.3%	0.1%	-0.1%	-0.1%	0.0%	-0.1%	-0.2%	-0.1%			
U.S. Distillate																			
Current	3.93	3.79	3.80	3.99	3.95	3.91	3.88	4.06	4.09	3.96	3.98	4.12	4.00	3.88	3.95	4.04	-3.0%	1.8%	2.3%
Previous	3.90	3.80	3.79	4.02	3.95	3.91	4.03	4.06	4.11	4.00	4.02	4.15	4.00	3.88	3.99	4.07	-3.0%	2.8%	2.0%
Percent Change	0.7%	-0.1%	0.1%	-0.6%	0.0%	0.0%	-3.7%	0.0%	-0.3%	-1.0%	-1.1%	-0.6%	0.0%	0.0%	-1.0%	-0.7%			
U.S. Jet Fuel																			
Current	1.51	1.62	1.69	1.63	1.60	1.68	1.70	1.65	1.61	1.72	1.73	1.66	1.55	1.61	1.66	1.68	4.3%	2.8%	1.2%
Previous	1.50	1.61	1.68	1.63	1.60	1.68	1.72	1.65	1.61	1.72	1.73	1.66	1.55	1.61	1.66	1.68	3.8%	3.6%	0.8%
Percent Change	0.4%	0.6%	0.6%	0.3%	0.0%	0.0%	-1.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.5%	-0.3%	0.1%			
U.S. Hydrocarbon Gas Liquids																			
Current	2.79	2.35	2.39	2.62	2.79	2.45	2.47	2.79	2.96	2.63	2.80	3.10	2.55	2.54	2.63	2.87	-0.6%	3.5%	9.4%
Previous	2.73	2.25	2.40	2.59	2.79	2.44	2.46	2.80	2.99	2.63	2.78	3.08	2.55	2.49	2.62	2.87	-2.2%	5.2%	9.4%
Percent Change	2.2%	4.5%	-0.5%	1.1%	0.0%	0.6%	0.5%	-0.6%	-0.9%	-0.1%	0.5%	0.7%	0.1%	1.8%	0.1%	0.1%			
U.S. Total Petroleum and Other Liquid Fuels																			
Current	19.54	19.50	19.94	19.77	19.49	20.03	20.08	20.05	19.89	20.23	20.69	20.53	19.53	19.69	19.92	20.34	0.8%	1.2%	2.1%
Previous	19.45	19.42	19.90	19.75	19.49	20.01	20.29	20.13	19.96	20.26	20.73	20.55	19.53	19.63	19.98	20.38	0.5%	1.8%	2.0%
Percent Change	0.5%	0.4%	0.2%	0.1%	0.0%	0.1%	-1.0%	-0.4%	-0.4%	-0.2%	-0.2%	-0.1%	0.0%	0.3%	-0.3%	-0.2%			
U.S. Closing Stocks (million barrels)																			
U.S. Crude Oil																			
Current	504.8	500.9	471.5	484.6	537.9	500.4	466.0	467.2	510.2	511.2	492.5	488.0	449.2	484.6	467.2	488.0	7.9%	-3.6%	4.5%
Previous	501.5	498.0	469.1	484.3	537.9	500.4	477.8	475.3	515.7	514.9	494.7	490.2	449.2	484.3	475.3	490.2	7.8%	-1.9%	3.1%
Percent Change	0.7%	0.6%	0.5%	0.1%	0.0%	0.0%	-2.5%	-1.7%	-1.1%	-0.7%	-0.5%	-0.4%	0.0%	0.1%	-1.7%	-0.4%			
U.S. Total Gasoline																			
Current	243.7	242.7	227.7	238.6	239.0	237.9	218.8	238.5	238.2	233.3	228.0	241.7	235.5	238.6	238.5	241.7	1.3%	-0.1%	1.4%
Previous	243.3	242.1	227.0	237.7	239.0	237.9	225.1	239.4	238.1	233.1	227.6	242.2	235.5	237.7	239.4	242.2	1.0%	0.7%	1.2%
Percent Change	0.2%	0.2%	0.3%	0.4%	0.0%	0.0%	-2.8%	-0.4%	0.0%	0.1%	0.2%	-0.2%	0.0%	0.4%	-0.4%	-0.2%			
U.S. Distillate Fuel Oil																			
Current	160.1	149.8	161.1	166.1	151.1	151.6	135.1	148.0	138.1	133.9	152.4	156.3	161.3	166.1	148.0	156.3	3.0%	-10.9%	5.6%
Previous	160.6	149.2	160.4	165.5	151.1	151.6	143.3	152.2	140.7	143.3	149.8	152.8	161.3	165.5	152.2	152.8	2.6%	-8.0%	0.4%
Percent Change	-0.3%	0.4%	0.4%	0.4%	0.0%	0.0%	-5.7%	-2.8%	-1.8%	-6.6%	1.7%	2.3%	0.0%	0.4%	-2.8%	2.3%			

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. Natural Gas

Current Forecast: October 11, 2017; Previous Forecast: September 12, 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
U.S. Supply (billion cubic feet per day)																			
U.S. Total Marketed Production																			
Current	79.19	78.27	77.39	76.42	76.47	77.43	79.50	82.51	83.64	84.39	84.71	84.98	78.83	77.81	78.99	84.44	-1.3%	1.5%	6.9%
Previous	78.66	77.52	76.83	76.24	76.45	77.74	79.57	82.65	83.82	84.15	84.03	84.49	78.78	77.31	79.12	84.12	-1.9%	2.3%	6.3%
Percent Change	0.7%	1.0%	0.7%	0.2%	0.0%	-0.4%	-0.1%	-0.2%	-0.2%	0.3%	0.8%	0.6%	0.1%	0.7%	-0.2%	0.4%			
U.S. Federal GOM Marketed Production																			
Current	3.40	3.28	3.21	3.30	3.35	3.07	2.99	3.22	3.35	3.33	3.21	3.22	3.54	3.30	3.16	3.28	-6.9%	-4.2%	3.9%
Previous	3.48	3.34	3.24	3.35	3.35	3.07	3.13	3.22	3.35	3.33	3.21	3.22	3.53	3.35	3.19	3.28	-5.1%	-4.8%	2.8%
Percent Change	-2.2%	-1.7%	-1.0%	-1.6%	0.0%	0.1%	-4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	-1.6%	-1.0%	0.0%			
U.S. Lower 48 ex GOM Marketed Production																			
Current	74.81	74.13	73.36	72.09	72.12	73.38	75.68	78.35	79.29	80.21	80.73	80.83	74.35	73.59	74.91	80.27	-1.0%	1.8%	7.2%
Previous	74.20	73.32	72.72	71.85	72.10	73.70	75.65	78.49	79.46	79.97	80.04	80.34	74.30	73.02	75.00	79.95	-1.7%	2.7%	6.6%
Percent Change	0.8%	1.1%	0.9%	0.3%	0.0%	-0.4%	0.0%	-0.2%	-0.2%	0.3%	0.9%	0.6%	0.1%	0.8%	-0.1%	0.4%			
U.S. Pipeline Gross Imports																			
Current	8.1	7.8	8.1	7.8	8.9	7.8	7.7	7.6	8.9	7.9	7.9	7.8	7.2	8.0	8.0	8.1	10.8%	0.2%	1.8%
Previous	8.1	7.8	8.1	7.8	8.9	7.8	7.7	7.4	8.9	7.9	8.0	8.0	7.2	8.0	7.9	8.2	10.8%	-0.4%	2.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	2.3%	0.2%	0.0%	-0.7%	-1.5%	0.0%	0.0%	0.6%	-0.5%			
U.S. LNG Gross Imports																			
Current	0.33	0.19	0.18	0.26	0.29	0.18	0.17	0.22	0.29	0.16	0.18	0.22	0.25	0.24	0.21	0.21	-3.7%	-11.2%	-0.9%
Previous	0.33	0.19	0.18	0.26	0.29	0.18	0.18	0.22	0.29	0.16	0.18	0.22	0.25	0.24	0.22	0.21	-3.7%	-10.9%	-1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%			
U.S. Gross Exports																			
Current	5.78	6.03	6.57	7.12	8.87	8.29	7.92	9.08	10.70	9.97	9.92	10.94	4.89	6.38	8.54	10.38	30.6%	33.8%	21.6%
Previous	5.78	6.03	6.57	7.12	8.87	8.29	8.60	10.16	11.09	10.18	9.85	10.84	4.89	6.38	8.98	10.48	30.6%	40.8%	16.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.8%	-10.7%	-3.5%	-2.0%	0.7%	1.0%	0.0%	0.0%	-4.9%	-1.0%			
U.S. Consumption (billion cubic feet per day)																			
U.S. Residential																			
Current	22.23	7.08	3.44	14.79	22.17	6.65	3.49	15.86	25.08	7.17	3.51	15.55	12.64	11.87	12.00	12.77	-6.1%	1.1%	6.4%
Previous	22.47	7.15	3.48	14.96	22.21	6.65	3.61	16.15	24.91	6.97	3.45	15.80	12.63	12.00	12.11	12.73	-5.0%	1.0%	5.1%
Percent Change	-1.1%	-1.0%	-1.1%	-1.1%	-0.2%	0.0%	-3.3%	-1.8%	0.7%	2.9%	1.7%	-1.6%	0.1%	-1.1%	-0.9%	0.3%			
U.S. Commercial																			
Current	13.33	5.95	4.53	10.15	13.51	5.84	4.53	10.69	14.83	6.00	4.53	10.61	8.77	8.48	8.62	8.97	-3.3%	1.6%	4.0%
Previous	13.42	5.98	4.56	10.20	13.44	5.81	4.59	10.59	14.73	5.96	4.56	10.49	8.76	8.53	8.59	8.91	-2.6%	0.7%	3.7%
Percent Change	-0.7%	-0.5%	-0.6%	-0.5%	0.5%	0.5%	-1.5%	0.9%	0.7%	0.6%	-0.6%	1.1%	0.1%	-0.6%	0.4%	0.6%			
U.S. Industrial																			
Current	22.47	20.02	20.07	21.84	22.96	20.45	19.92	21.83	23.35	21.00	20.67	22.45	20.61	21.10	21.28	21.86	2.4%	0.9%	2.7%
Previous	22.44	20.02	20.07	21.83	22.87	20.36	20.11	21.92	23.36	20.97	20.68	22.44	20.64	21.09	21.31	21.86	2.2%	1.0%	2.6%
Percent Change	0.1%	0.0%	0.0%	0.0%	0.4%	0.5%	-0.9%	-0.4%	0.0%	0.1%	0.0%	0.0%	-0.2%	0.0%	-0.1%	0.0%			
U.S. Electric Power Sector																			
Current	24.17	27.45	34.91	22.54	20.63	23.57	31.91	23.01	23.17	26.01	32.60	23.48	26.34	27.28	24.81	26.33	3.6%	-9.1%	6.1%
Previous	24.17	27.45	34.91	22.54	20.63	23.57	30.64	22.57	22.49	25.06	31.57	23.05	26.34	27.28	24.38	25.56	3.6%	-10.6%	4.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%	1.9%	3.0%	3.8%	3.2%	1.9%	0.0%	0.0%	1.8%	3.0%			
U.S. Total Consumption																			
Current	89.02	66.66	69.14	75.63	85.83	62.54	66.07	78.14	93.68	66.82	68.00	79.10	74.64	75.10	73.11	76.84	0.6%	-2.7%	5.1%
Previous	89.13	66.62	69.05	75.70	85.57	62.32	65.04	77.84	92.57	65.43	66.76	78.61	74.65	75.11	72.65	75.78	0.6%	-3.3%	4.3%
Percent Change	-0.1%	0.1%	0.1%	-0.1%	0.3%	0.4%	1.6%	0.4%	1.2%	2.1%	1.9%	0.6%	0.0%	0.0%	0.6%	1.4%			
U.S. Working Gas in Storage (billion cubic feet)																			
Current	2,486	3,186	3,705	3,297	2,063	2,908	3,559	3,214	1,750	2,671	3,503	3,156	3,667	3,297	3,214	3,156	-10.1%	-2.5%	-1.8%
Previous	2,486	3,186	3,705	3,297	2,063	2,907	3,580	3,133	1,664	2,600	3,429	3,098	3,675	3,297	3,133	3,098	-10.3%	-5.0%	-1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	2.6%	5.2%	2.7%	2.2%	1.9%	-0.2%	0.0%	2.6%	1.9%			
U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)																			
Current	-1.01	-1.00	0.43	-1.35	0.22	-0.37	-1.03	-1.31	0.91	0.25	0.01	-0.89	-0.77	-0.73	-0.63	0.06			
Previous	-0.54	-0.12	0.94	-0.94	0.03	-0.85	-1.17	-1.53	0.05	-0.48	-0.71	-0.90	-0.75	-0.16	-0.89	-0.51			

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

Current Forecast: October 11, 2017; Previous Forecast: September 12, 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
U.S. Electricity Generation, All Sectors (thousand megawatthours per day)																			
U.S. Total Generation																			
Current	10,667	10,754	12,764	10,386	10,527	10,667	12,270	10,464	11,005	10,910	12,445	10,599	11,172	11,145	10,985	11,242	-0.2%	-1.4%	2.3%
Previous	10,667	10,754	12,764	10,386	10,527	10,667	12,167	10,435	10,981	10,896	12,517	10,580	11,172	11,145	10,952	11,246	-0.2%	-1.7%	2.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.3%	0.2%	0.1%	-0.6%	0.2%	0.0%	0.0%	0.3%	0.0%			
U.S. Coal																			
Current	3,059	2,967	4,202	3,317	3,250	3,110	3,915	3,353	3,550	3,139	3,960	3,283	3,705	3,388	3,408	3,484	-8.6%	0.6%	2.2%
Previous	3,059	2,967	4,202	3,317	3,250	3,110	3,978	3,362	3,601	3,246	4,127	3,331	3,705	3,388	3,427	3,577	-8.6%	1.1%	4.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	-0.3%	-1.4%	-3.3%	-4.0%	-1.4%	0.0%	0.0%	-0.5%	-2.6%			
U.S. Natural gas																			
Current	3,426	3,762	4,702	3,191	2,917	3,262	4,335	3,240	3,264	3,568	4,395	3,294	3,653	3,771	3,442	3,632	3.2%	-8.7%	5.5%
Previous	3,426	3,762	4,702	3,191	2,917	3,262	4,161	3,185	3,170	3,439	4,258	3,235	3,653	3,771	3,384	3,528	3.2%	-10.3%	4.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	1.8%	3.0%	3.7%	3.2%	1.8%	0.0%	0.0%	1.7%	3.0%			
U.S. Petroleum																			
Current	68	63	72	59	61	56	61	59	74	67	74	62	77	65	59	69	-15.6%	-9.3%	17.0%
Previous	68	63	72	59	61	56	67	60	75	68	76	63	77	65	61	71	-15.6%	-6.7%	15.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.3%	-1.9%	-1.6%	-1.5%	-2.2%	-1.8%	0.0%	0.0%	-2.8%	-1.8%			
U.S. Nuclear																			
Current	2,245	2,155	2,254	2,148	2,247	2,034	2,293	2,114	2,223	2,097	2,280	2,138	2,184	2,200	2,172	2,185	0.7%	-1.3%	0.6%
Previous	2,245	2,155	2,254	2,148	2,247	2,034	2,274	2,119	2,224	2,098	2,280	2,122	2,184	2,200	2,169	2,181	0.7%	-1.4%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	-0.2%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.2%	0.2%			
U.S. Conventional Hydroelectric																			
Current	842	810	618	637	917	1,011	718	619	742	798	720	666	682	726	815	732	6.4%	12.2%	-10.2%
Previous	842	810	618	637	917	1,011	723	620	749	783	744	664	682	726	817	735	6.4%	12.4%	-10.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.3%	-0.9%	1.9%	-3.2%	0.3%	0.0%	0.0%	-0.2%	-0.4%			
U.S. Other Renewables																			
Current	962	937	868	988	1,077	1,137	896	1,027	1,089	1,179	954	1,100	809	939	1,034	1,080	16.1%	10.1%	4.5%
Previous	962	937	868	988	1,077	1,137	908	1,037	1,100	1,199	973	1,110	809	939	1,039	1,095	16.1%	10.7%	5.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.4%	-0.9%	-1.0%	-1.7%	-1.9%	-0.9%	0.0%	0.0%	-0.5%	-1.4%			
U.S. Electricity Sales (million kilowatthours per day)																			
U.S. Residential																			
Current	3,810	3,373	4,771	3,421	3,704	3,421	4,470	3,455	4,057	3,494	4,583	3,509	3,847	3,845	3,764	3,911	0.0%	-2.1%	3.9%
Previous	3,810	3,373	4,771	3,421	3,704	3,421	4,432	3,435	4,053	3,491	4,578	3,506	3,847	3,845	3,749	3,908	0.0%	-2.5%	4.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.6%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.4%	0.1%			
U.S. Commercial																			
Current	3,494	3,616	4,199	3,547	3,508	3,630	4,087	3,571	3,580	3,688	4,122	3,583	3,728	3,715	3,700	3,744	-0.4%	-0.4%	1.2%
Previous	3,494	3,616	4,199	3,547	3,508	3,630	4,133	3,566	3,579	3,687	4,183	3,576	3,728	3,715	3,711	3,757	-0.4%	-0.1%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	0.2%	0.0%	0.0%	-1.5%	0.2%	0.0%	0.0%	-0.3%	-0.3%			
U.S. Industrial																			
Current	2,480	2,575	2,697	2,480	2,493	2,610	2,729	2,539	2,548	2,642	2,762	2,558	2,703	2,558	2,593.28	2,628	-5.4%	1.4%	1.3%
Previous	2,480	2,575	2,697	2,480	2,493	2,610	2,761	2,544	2,550	2,650	2,787	2,560	2,703	2,558	2,603	2,637	-5.4%	1.7%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	-0.2%	-0.1%	-0.3%	-0.9%	-0.1%	0.0%	0.0%	-0.4%	-0.4%			
U.S. Total																			
Current	9,805	9,584	11,688	9,469	9,726	9,681	11,308	9,586	10,207	9,845	11,490	9,672	10,299	10,139	10,078	10,305	-1.6%	-0.6%	2.3%
Previous	9,805	9,584	11,688	9,469	9,726	9,681	11,349	9,567	10,205	9,849	11,571	9,664	10,299	10,139	10,084	10,324	-1.6%	-0.5%	2.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	0.2%	0.0%	0.0%	-0.7%	0.1%	0.0%	0.0%	-0.1%	-0.2%			

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. Coal and Carbon Dioxide Emissions

Current Forecast: October 11, 2017; Previous Forecast: September 12, 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
U.S. Coal (million short tons)																			
U.S. Production																			
Current	173.0	160.5	195.1	199.5	197.0	187.1	206.5	194.4	197.4	175.4	204.4	210.6	897	728	785	788	-18.8%	7.8%	0.4%
Previous	173.0	160.5	195.1	199.5	197.0	190.2	205.9	195.9	200.5	181.1	212.7	213.7	897	728	789	808	-18.8%	8.3%	2.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	0.3%	-0.8%	-1.5%	-3.2%	-3.9%	-1.4%	0.0%	0.0%	-0.5%	-2.5%			
U.S. Exports																			
Current	14.2	14.2	12.6	19.3	22.3	21.8	19.4	11.4	17.0	16.1	15.9	15.4	74.0	60.3	74.8	64.4	-18.5%	24.2%	-14.0%
Previous	14.2	14.2	12.6	19.3	22.3	21.8	16.7	12.3	17.5	16.7	16.6	16.0	74.0	60.3	73.1	66.8	-18.5%	21.3%	-8.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.8%	-7.6%	-2.6%	-3.7%	-4.7%	-3.9%	0.0%	0.0%	2.3%	-3.7%			
U.S. Imports																			
Current	2.7	2.3	2.7	2.1	1.9	2.2	2.8	2.2	1.5	2.3	3.0	2.6	11.3	9.8	9.1	9.4	-13.0%	-7.2%	2.5%
Previous	2.7	2.3	2.7	2.1	1.9	2.2	2.8	2.2	1.5	2.3	3.0	2.6	11.3	9.8	9.2	9.4	-13.0%	-6.9%	2.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	-0.3%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%			
U.S. Electric Power Demand																			
Current	152.2	147.2	210.3	167.6	160.5	154.6	196.9	169.0	172.2	155.2	198.5	165.6	738	677	681	692	-8.3%	0.5%	1.6%
Previous	152.2	147.2	210.3	167.6	160.5	154.6	199.4	169.3	174.5	160.0	205.8	167.7	738	677	684	708	-8.3%	1.0%	3.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%	-0.2%	-1.3%	-3.0%	-3.5%	-1.3%	0.0%	0.0%	-0.4%	-2.3%			
U.S. Secondary Stocks																			
Current	198.5	189.2	164.0	169.6	168.9	165.8	147.9	152.4	150.9	147.7	133.7	151.4	202.6	169.6	152.4	151.4	-16.3%	-10.1%	-0.7%
Previous	198.4	189.2	164.0	169.6	168.8	166.4	152.9	157.1	155.3	151.9	137.7	155.2	202.6	169.6	157.1	155.2	-16.3%	-7.4%	-1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-3.3%	-3.0%	-2.9%	-2.8%	-2.9%	-2.5%	0.0%	0.0%	-3.0%	-2.5%			
U.S. Carbon Dioxide Emissions																			
Petroleum																			
Current	572.8	570.8	590.2	587.7	564.1	586.8	594.9	588.3	572.5	587.0	601.5	596.1	2,295	2,321	2,334	2,357	1.2%	0.5%	1.0%
Previous	571.4	571.5	588.5	588.7	564.1	583.5	594.8	590.3	573.6	589.3	603.2	597.5	2,295	2,320	2,333	2,364	1.1%	0.5%	1.3%
Percent Change	0.2%	-0.1%	0.3%	-0.2%	0.0%	0.6%	0.0%	-0.3%	-0.2%	-0.4%	-0.3%	-0.2%	0.0%	0.1%	0.1%	-0.3%			
Coal																			
Current	308.8	297.7	413.0	334.7	322.2	308.0	387.9	339.9	342.3	305.6	390.3	334.1	1480.2	1354.2	1358.0	1372.3	-8.5%	0.3%	1.0%
Previous	308.8	297.7	413.0	334.7	322.2	311.9	394.0	341.8	347.8	318.2	405.0	339.3	1480.2	1354.2	1369.9	1410.3	-8.5%	1.2%	3.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	-1.5%	-0.6%	-1.6%	-4.0%	-3.6%	-1.5%	0.0%	0.0%	-0.9%	-2.7%			
Natural Gas																			
Current	438.9	327.1	342.8	376.0	416.5	305.5	327.1	388.5	454.6	326.3	337.1	393.2	1473.5	1484.8	1437.5	1511.2	0.8%	-3.2%	5.1%
Previous	438.9	327.1	342.8	376.0	416.4	304.5	322.8	386.7	450.5	320.8	331.3	390.4	1472.6	1484.8	1430.5	1493.1	0.8%	-3.7%	4.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	1.3%	0.5%	0.9%	1.7%	1.7%	0.7%	0.1%	0.0%	0.5%	1.2%			
Total Fossil Fuel																			
Current	1320.5	1195.5	1345.9	1298.4	1302.8	1200.4	1309.8	1316.6	1369.3	1218.9	1329.0	1323.4	5,249	5,160	5,130	5,241	-1.7%	-0.6%	2.2%
Previous	1319.1	1196.2	1344.3	1299.4	1302.8	1199.9	1311.6	1318.8	1372.0	1228.3	1339.5	1327.2	5,248	5,159	5,133	5,267	-1.7%	-0.5%	2.6%
Percent Change	0.1%	-0.1%	0.1%	-0.1%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.8%	-0.8%	-0.3%	0.0%	0.0%	-0.1%	-0.5%			

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: October 11, 2017; Previous Forecast: September 12, 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
U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)																			
U.S. Wind Power																			
Current	0.565	0.520	0.443	0.584	0.630	0.625	0.431	0.605	0.632	0.650	0.461	0.653	1.776	2.112	2.291	2.396	18.9%	8.5%	4.6%
Previous	0.565	0.520	0.443	0.584	0.630	0.625	0.436	0.609	0.635	0.656	0.466	0.656	1.776	2.112	2.300	2.412	18.9%	8.9%	4.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	-0.6%	-0.4%	-0.9%	-1.1%	-0.4%	0.0%	0.0%	-0.4%	-0.7%			
U.S. Wood Biomass																			
Current	0.496	0.477	0.495	0.492	0.493	0.484	0.498	0.488	0.485	0.476	0.495	0.490	2.071	1.959	1.963	1.946	-5.4%	0.2%	-0.9%
Previous	0.496	0.477	0.495	0.492	0.493	0.484	0.498	0.489	0.486	0.478	0.498	0.492	2.071	1.959	1.964	1.954	-5.4%	0.2%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.4%	-0.5%	-0.5%	0.0%	0.0%	0.0%	-0.4%			
U.S. Solar Power																			
Current	0.110	0.166	0.183	0.128	0.143	0.243	0.239	0.153	0.164	0.272	0.270	0.177	0.426	0.587	0.778	0.883	37.7%	32.6%	13.4%
Previous	0.110	0.166	0.183	0.128	0.143	0.243	0.243	0.159	0.172	0.284	0.283	0.185	0.426	0.587	0.789	0.923	37.7%	34.3%	17.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%	-3.6%	-4.4%	-4.4%	-4.4%	-4.1%	0.0%	0.0%	-1.3%	-4.3%			
U.S. Ethanol																			
Current	0.284	0.293	0.305	0.300	0.281	0.301	0.303	0.300	0.286	0.309	0.314	0.307	1.148	1.182	1.185	1.215	2.9%	0.3%	2.6%
Previous	0.287	0.295	0.305	0.299	0.278	0.301	0.306	0.301	0.287	0.308	0.314	0.307	1.148	1.186	1.186	1.216	3.3%	0.0%	2.6%
Percent Change	-1.2%	-0.4%	-0.1%	0.3%	1.1%	0.0%	-1.1%	-0.3%	-0.4%	0.2%	-0.1%	-0.1%	0.0%	-0.4%	-0.1%	-0.1%			
U.S. Biodiesel																			
Current	0.050	0.069	0.088	0.084	0.054	0.079	0.088	0.094	0.069	0.076	0.089	0.089	0.215	0.291	0.315	0.323	35.1%	8.3%	2.5%
Previous	0.051	0.066	0.088	0.084	0.051	0.080	0.090	0.095	0.070	0.077	0.090	0.091	0.215	0.289	0.316	0.328	34.4%	9.3%	3.7%
Percent Change	-1.9%	4.1%	0.4%	-0.7%	3.9%	-0.5%	-2.0%	-1.0%	-1.4%	-1.3%	-1.1%	-2.2%	0.0%	0.5%	-0.4%	-1.5%			
U.S. Renewable Electric Power Sector Generation Capacity (MW)																			
Wind Power																			
Current	73,624	74,481	75,016	81,871	82,871	83,333	84,500	87,829	88,146	88,911	89,870	95,833	72,500	81,871	87,829	95,833	12.9%	7.3%	9.1%
Previous	73,624	74,481	75,016	81,871	82,869	83,331	84,872	88,291	88,408	89,661	90,650	96,119	72,500	81,871	88,291	96,119	12.9%	7.8%	8.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.5%	-0.3%	-0.8%	-0.9%	-0.3%	0.0%	0.0%	-0.5%	-0.3%			
Wood Biomass																			
Current	3,268	3,268	3,250	3,257	3,155	3,155	3,205	3,205	3,205	3,299	3,299	3,299	3,185	3,257	3,205	3,299	2.2%	-1.6%	2.9%
Previous	3,268	3,268	3,250	3,257	3,152	3,152	3,202	3,202	3,202	3,296	3,296	3,296	3,185	3,257	3,202	3,296	2.2%	-1.7%	2.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.1%	0.1%			
Solar Power																			
Current	14,305	15,109	17,544	21,639	22,463	23,460	24,375	26,579	27,146	27,880	28,236	30,398	13,604	21,639	26,579	30,398	59.1%	22.8%	14.4%
Previous	14,305	15,109	17,544	21,639	22,448	23,425	24,531	29,082	29,661	30,391	30,839	32,982	13,604	21,639	29,082	32,982	59.1%	34.4%	13.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%	-0.6%	-8.6%	-8.5%	-8.3%	-8.4%	-7.8%	0.0%	0.0%	-8.6%	-7.8%			

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