

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

Current Forecast: December 11, 2018; Previous Forecast: November 6, 2018

	2017				2018				2019				Year				Growth Rate			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2016	2017	2018	2019	2016-2017	2017-2018	2018-2019	
U.S. Energy Supply																				
U.S. Crude Oil Production (million barrels per day)																				
Current	9.02	9.11	9.32	9.95	10.23	10.54	11.25	11.50	11.82	12.10	12.10	12.23	8.83	9.35	10.88	12.06	5.9%	16.4%	10.8%	
Previous	9.02	9.11	9.32	9.95	10.23	10.54	11.24	11.57	11.83	12.04	12.05	12.31	8.83	9.35	10.90	12.06	5.9%	16.5%	10.6%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.6%	-0.1%	0.5%	0.3%	-0.7%	0.0%	0.0%	-0.1%	0.0%				
U.S. Dry Natural Gas Production (billion cubic feet per day)																				
Current	71.99	73.49	75.09	78.44	79.14	81.19	85.00	87.76	89.31	90.07	90.30	90.26	72.66	74.77	83.30	89.99	2.9%	11.4%	8.0%	
Previous	71.99	73.49	75.09	78.44	79.14	81.19	84.92	87.54	88.85	89.49	89.78	90.17	72.66	74.77	83.23	89.58	2.9%	11.3%	7.6%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.5%	0.6%	0.6%	0.1%	0.0%	0.0%	0.1%	0.5%				
U.S. Coal Production (million short tons)																				
Current	197.1	187.1	196.4	193.9	187.6	180.8	195.8	197.5	195.4	159.9	195.2	191.4	728.4	774.6	761.7	741.9	6.3%	-1.7%	-2.6%	
Previous	197.0	187.1	196.2	193.8	187.6	180.8	195.8	192.1	189.0	158.5	196.9	184.3	728.4	774.1	756.4	728.7	6.3%	-2.3%	-3.7%	
Percent Change	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	2.8%	3.4%	0.9%	-0.9%	3.8%	0.0%	0.1%	0.7%	1.8%				
U.S. Energy Consumption																				
U.S. Petroleum and Other Liquid Fuels Consumption (million barrels per day)																				
Current	19.54	20.07	20.01	20.21	20.24	20.33	20.63	20.71	20.53	20.67	21.03	21.02	19.69	19.96	20.48	20.81	1.4%	2.6%	1.6%	
Previous	19.54	20.07	20.01	20.21	20.24	20.33	20.74	20.54	20.38	20.53	20.94	20.91	19.69	19.96	20.47	20.69	1.4%	2.5%	1.1%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.8%	0.7%	0.7%	0.4%	0.5%	0.0%	0.0%	0.1%	0.6%				
U.S. Natural Gas Consumption (billion cubic feet per day)																				
Current	86.39	62.98	66.88	81.16	97.54	70.66	74.05	84.94	97.94	70.68	73.52	84.39	74.98	74.32	81.74	81.57	-0.9%	10.0%	-0.2%	
Previous	86.39	62.98	66.88	81.16	97.54	70.66	73.26	83.22	98.34	70.50	73.30	85.08	74.98	74.32	81.11	81.75	-0.9%	9.1%	0.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	2.1%	-0.4%	0.3%	0.3%	-0.8%	0.0%	0.0%	0.8%	-0.2%				
U.S. Electricity Retail Sales (million kilowatthours per day)																				
Current	9,839	9,817	11,410	9,731	10,230	9,948	11,718	9,862	10,283	9,743	11,500	9,759	10,280	10,202	10,442	10,323	-0.8%	2.4%	-1.1%	
Previous	9,839	9,817	11,410	9,731	10,230	9,948	11,759	9,797	10,259	9,743	11,526	9,688	10,280	10,202	10,436	10,306	-0.8%	2.3%	-1.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.7%	0.2%	0.0%	-0.2%	0.7%	0.0%	0.0%	0.1%	0.2%				
U.S. Total Energy Consumption (quadrillion Btu)																				
Current	25.04	23.24	24.39	25.22	26.41	24.06	25.03	25.49	26.25	23.54	24.78	25.29	97.52	97.88	100.99	99.86	0.4%	3.2%	-1.1%	
Previous	25.04	23.25	24.40	25.22	26.42	24.06	24.87	25.12	26.07	23.44	24.76	25.15	97.52	97.91	100.48	99.41	0.4%	2.6%	-1.1%	
Percent Change	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.6%	1.4%	0.7%	0.4%	0.1%	0.6%	0.0%	0.0%	0.5%	0.4%				
U.S. Macroeconomic and Weather																				
U.S. Real Gross Domestic Product (billion chained 2012 dollars)																				
Current	17,863	17,995	18,121	18,224	18,324	18,512	18,671	18,800	18,929	19,059	19,183	19,296	17,659	18,051	18,577	19,117	2.2%	2.9%	2.9%	
Previous	17,863	17,995	18,121	18,224	18,324	18,512	18,667	18,792	18,912	19,039	19,155	19,260	17,659	18,051	18,574	19,092	2.2%	2.9%	2.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.1%				
U.S. Manufacturing Production Index (index 2012 = 100)																				
Current	102.0	102.7	102.2	103.6	104.1	104.8	105.8	106.7	107.4	108.2	109.0	109.7	101.1	102.6	105.4	108.6	1.5%	2.7%	3.0%	
Previous	102.0	102.7	102.2	103.6	104.1	104.8	105.7	106.3	107.0	107.9	108.6	109.1	101.1	102.6	105.2	108.2	1.5%	2.6%	2.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.3%	0.3%	0.5%	0.0%	0.0%	0.0%	0.1%	0.4%				
U.S. Heating Degree Days																				
Current	1,858	427	65	1,480	2,129	523	48	1,619	2,126	480	74	1,525	3,879	3,830	4,319	4,206	-1.3%	12.8%	-2.6%	
Previous	1,857	427	65	1,480	2,129	522	46	1,547	2,118	480	74	1,526	3,879	3,829	4,244	4,199	-1.3%	10.8%	-1.1%	
Percent Change	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	4.4%	4.7%	0.4%	0.0%	-0.8%	-0.1%	0.0%	0.0%	1.8%	0.2%				
U.S. Cooling Degree Days																				
Current	70	402	838	115	52	476	958	100	40	395	848	91	1,558	1,425	1,586	1,374	-8.5%	11.3%	-13.3%	
Previous	70	403	838	115	51	476	963	119	40	397	847	90	1,558	1,426	1,609	1,374	-8.5%	12.9%	-14.6%	
Percent Change	0.0%	-0.1%	0.0%	-0.2%	0.2%	0.1%	-0.5%	-16.0%	-1.2%	-0.3%	0.2%	0.4%	0.0%	0.0%	-1.5%	0.0%				

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

STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: December 11, 2018; Previous Forecast: November 6, 2018

	2017				2018				2019				Year				Growth Rate			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2016	2017	2018	2019	2016-2017	2017-2018	2018-2019	
U.S. Petroleum																				
WTI spot (\$/barrel)																				
Current	51.64	48.15	48.16	55.27	62.90	68.07	69.69	60.05	50.00	51.97	55.97	58.64	43.33	50.79	65.18	54.19	17.2%	28.3%	-16.9%	
Previous	51.64	48.15	48.16	55.27	62.90	68.07	69.69	66.44	62.00	63.63	66.66	67.00	43.33	50.79	66.79	64.85	17.2%	31.5%	-2.9%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.6%	-19.4%	-18.3%	-16.0%	-12.5%	0.0%	0.0%	-2.4%	-16.4%				
Refiner composite crude oil acquisition cost (\$/barrel)																				
Current	49.90	47.73	48.31	56.73	61.89	67.29	69.05	58.42	49.00	51.01	54.98	57.67	40.69	50.68	64.23	53.22	24.5%	26.7%	-17.1%	
Previous	49.90	47.73	48.31	56.73	61.89	67.29	68.84	65.19	61.00	62.69	65.66	66.00	40.69	50.68	65.87	63.88	24.5%	30.0%	-3.0%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	-10.4%	-19.7%	-18.6%	-16.3%	-12.6%	0.0%	0.0%	-2.5%	-16.7%				
Brent spot average (\$/barrel)																				
Current	53.57	49.59	52.09	61.42	66.84	74.53	75.02	69.12	60.00	60.00	61.31	62.64	43.74	54.15	71.40	61.00	23.8%	31.9%	-14.6%	
Previous	53.57	49.59	52.09	61.42	66.84	74.53	75.02	75.90	71.00	72.63	73.03	71.00	43.74	54.15	73.12	71.92	23.8%	35.0%	-1.6%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-8.9%	-15.5%	-17.4%	-16.0%	-11.8%	0.0%	0.0%	-2.3%	-15.2%				
Gasoline, regular-grade retail including taxes (\$/gallon)																				
Current	2.33	2.38	2.44	2.51	2.58	2.85	2.84	2.62	2.36	2.53	2.58	2.50	2.15	2.42	2.73	2.50	12.5%	12.8%	-8.4%	
Previous	2.33	2.38	2.44	2.51	2.58	2.85	2.84	2.70	2.61	2.82	2.87	2.71	2.15	2.42	2.75	2.75	12.5%	13.6%	0.3%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.1%	-9.6%	-10.3%	-10.0%	-7.7%	0.0%	0.0%	-0.8%	-9.4%				
Diesel, retail including taxes (\$/gallon)																				
Current	2.57	2.55	2.63	2.87	3.02	3.20	3.24	3.23	2.89	2.89	2.97	3.06	2.31	2.65	3.17	2.95	14.9%	19.5%	-6.9%	
Previous	2.57	2.55	2.63	2.87	3.02	3.20	3.24	3.28	3.14	3.17	3.25	3.26	2.31	2.65	3.19	3.21	14.9%	20.0%	0.7%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.5%	-7.8%	-8.9%	-8.7%	-6.3%	0.0%	0.0%	-0.4%	-7.9%				
Heating Oil, residential retail including taxes (\$/gallon)																				
Current	2.47	2.38	2.34	2.65	2.87	2.99	3.25	3.16	2.95	2.73	2.75	2.88	2.10	2.51	3.02	2.87	19.2%	20.3%	-4.8%	
Previous	2.47	2.38	2.34	2.65	2.87	2.99	3.25	3.21	3.14	2.98	3.02	3.09	2.10	2.51	3.03	3.08	19.2%	20.9%	1.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	-6.0%	-8.4%	-8.9%	-6.8%	0.0%	0.0%	-0.5%	-6.9%				
U.S. Natural Gas																				
Henry Hub spot (\$ per million Btu)																				
Current	3.01	3.08	2.95	2.90	3.02	2.85	2.93	3.88	3.60	2.86	2.80	3.20	2.51	2.99	3.17	3.11	18.8%	6.2%	-1.8%	
Previous	3.01	3.08	2.95	2.90	3.02	2.85	2.93	3.25	3.16	2.88	2.90	2.97	2.51	2.99	3.01	2.98	18.8%	0.9%	-1.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	19.4%	14.0%	-0.8%	-3.4%	7.5%	0.0%	0.0%	5.2%	4.6%				
Residential Retail (\$ per thousand cubic feet)																				
Current	9.68	12.95	17.64	10.12	9.37	11.94	17.93	11.06	10.32	12.43	16.80	10.85	10.04	10.86	10.84	11.24	8.2%	-0.2%	3.7%	
Previous	9.68	12.95	17.64	10.12	9.38	11.96	17.81	10.88	9.75	12.18	16.78	10.76	10.04	10.86	10.76	10.91	8.2%	-1.0%	1.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.2%	0.7%	1.7%	5.9%	2.0%	0.1%	0.8%	0.0%	0.0%	0.8%	3.0%				
U.S. Electric Utilities Fuel Costs (\$ per million Btu)																				
Coal																				
Current	2.07	2.08	2.04	2.04	2.06	2.05	2.06	2.12	2.09	2.07	2.07	2.08	2.11	2.06	2.07	2.08	-2.6%	0.8%	0.2%	
Previous	2.07	2.08	2.04	2.04	2.06	2.05	2.08	2.13	2.10	2.10	2.10	2.09	2.11	2.06	2.08	2.10	-2.6%	1.1%	0.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	-0.1%	-0.6%	-1.1%	-1.3%	-0.6%	0.0%	0.0%	-0.3%	-0.9%				
Natural Gas																				
Current	3.68	3.37	3.17	3.37	3.96	3.09	3.23	4.25	4.16	3.03	2.89	3.55	2.87	3.37	3.58	3.35	17.3%	6.3%	-6.6%	
Previous	3.68	3.37	3.17	3.37	3.96	3.09	3.24	3.63	3.66	3.07	3.01	3.31	2.87	3.37	3.45	3.24	17.3%	2.2%	-6.1%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	17.3%	13.5%	-1.2%	-3.9%	7.2%	0.0%	0.0%	3.9%	3.4%				
Residual Fuel Oil																				
Current	11.15	10.60	10.03	12.04	11.47	13.02	13.78	13.99	12.49	12.56	11.79	11.69	8.46	11.01	12.78	12.16	30.2%	16.1%	-4.9%	
Previous	11.15	10.60	10.03	12.04	11.47	13.02	13.60	14.35	13.98	14.41	13.93	13.25	8.46	11.01	12.80	13.90	30.2%	16.2%	8.6%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	-2.6%	-10.6%	-12.8%	-15.3%	-11.7%	0.0%	0.0%	-0.1%	-12.5%				
U.S. Residential Retail Electricity (cents per kilowatthour)																				
Current	12.60	13.02	13.16	12.71	12.59	13.03	13.15	12.76	12.93	13.61	13.56	13.13	12.55	12.89	12.90	13.31	2.7%	0.1%	3.2%	
Previous	12.60	13.02	13.16	12.71	12.59	13.03	13.23	12.81	12.91	13.55	13.62	13.18	12.55	12.89	12.93	13.32	2.7%	0.3%	3.0%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.4%	0.2%	0.4%	-0.4%	-0.4%	0.0%	0.0%	-0.3%	-0.1%				

Prices are not adjusted for inflation.

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

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

Current Forecast: December 11, 2018; Previous Forecast: November 6, 2018

	2017				2018				2019				Year				Growth Rate			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2016	2017	2018	2019	2016-2017	2017-2018	2018-2019	
World Crude Oil and Liquid Fuels Supply (million barrels per day)																				
OECD (Organization for Economic Cooperation and Development) Supply																				
Current	27.45	27.16	27.47	28.62	29.14	29.27	30.22	30.86	30.93	31.57	31.68	32.06	26.80	27.68	29.88	31.56	3.3%	7.9%	5.6%	
Previous	27.17	26.87	27.19	28.33	28.85	28.97	30.01	30.91	31.11	31.41	31.50	32.00	26.51	27.39	29.69	31.51	3.3%	8.4%	6.1%	
Percent Change	1.0%	1.1%	1.0%	1.0%	1.0%	1.0%	0.7%	-0.2%	-0.6%	0.5%	0.6%	0.2%	1.1%	1.0%	0.6%	0.2%				
OPEC (Organization of the Petroleum Exporting Countries) Supply																				
Current	38.88	39.17	39.76	39.40	39.34	38.91	39.19	39.41	38.64	38.30	38.19	38.15	39.41	39.31	39.21	38.32	-0.3%	-0.2%	-2.3%	
Previous	38.87	39.15	39.74	39.38	39.32	38.89	39.18	39.04	38.95	38.78	38.72	38.70	39.40	39.29	39.11	38.79	-0.3%	-0.5%	-0.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	-0.8%	-1.2%	-1.3%	-1.4%	0.0%	0.0%	0.3%	-1.2%				
Non-OPEC Supply																				
Current	58.30	58.28	58.74	59.64	59.77	60.64	61.80	62.57	62.37	63.64	63.97	64.08	57.97	58.74	61.20	63.52	1.3%	4.2%	3.8%	
Previous	57.98	57.96	58.42	59.32	59.42	60.27	61.65	62.54	62.40	63.38	63.65	63.97	57.63	58.42	60.98	63.36	1.4%	4.4%	3.9%	
Percent Change	0.6%	0.6%	0.5%	0.5%	0.6%	0.6%	0.2%	0.0%	-0.1%	0.4%	0.5%	0.2%	0.6%	0.5%	0.4%	0.3%				
Total World Supply																				
Current	97.18	97.45	98.50	99.04	99.11	99.55	100.99	101.98	101.01	101.94	102.16	102.23	97.38	98.05	100.42	101.84	0.7%	2.4%	1.4%	
Previous	96.85	97.11	98.16	98.71	98.74	99.16	100.83	101.58	101.35	102.16	102.36	102.68	97.03	97.71	100.09	102.14	0.7%	2.4%	2.1%	
Percent Change	0.3%	0.3%	0.3%	0.3%	0.4%	0.4%	0.2%	0.4%	-0.3%	-0.2%	-0.2%	-0.4%	0.4%	0.3%	0.3%	-0.3%				
World Crude Oil and Liquid Fuels Consumption (million barrels per day)																				
OECD (Organization for Economic Cooperation and Development) Consumption																				
Current	46.73	46.87	47.47	47.83	47.58	46.91	47.97	48.19	47.97	47.37	48.46	48.62	46.81	47.23	47.66	48.11	0.9%	0.9%	0.9%	
Previous	46.73	46.87	47.47	47.83	47.58	46.92	48.05	48.02	47.80	47.20	48.33	48.48	46.81	47.23	47.64	47.96	0.9%	0.9%	0.7%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.4%	0.4%	0.4%	0.2%	0.3%	0.0%	0.0%	0.0%	0.3%				
Non-OECD Consumption																				
Current	50.37	51.71	51.60	51.59	51.62	52.57	52.57	52.92	52.69	53.72	53.76	53.82	50.12	51.32	52.42	53.50	2.4%	2.1%	2.1%	
Previous	50.37	51.71	51.60	51.59	51.62	52.57	52.61	52.87	52.73	53.77	53.82	53.86	50.16	51.32	52.42	53.55	2.3%	2.1%	2.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	-0.1%				
China Consumption																				
Current	13.17	13.61	13.17	13.49	13.80	14.00	13.73	13.95	14.28	14.47	14.20	14.41	12.79	13.36	13.87	14.34	4.4%	3.8%	3.4%	
Previous	13.17	13.61	13.17	13.49	13.80	14.00	13.73	13.95	14.28	14.47	14.20	14.41	12.86	13.36	13.87	14.34	3.9%	3.8%	3.4%	
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%	-0.5%	0.0%	0.0%	0.0%				
Total World Consumption																				
Current	97.10	98.58	99.08	99.42	99.20	99.48	100.54	101.11	100.66	101.09	102.22	102.43	96.93	98.55	100.09	101.61	1.7%	1.6%	1.5%	
Previous	97.10	98.58	99.08	99.42	99.20	99.49	100.66	100.89	100.53	100.97	102.15	102.34	96.98	98.55	100.07	101.51	1.6%	1.5%	1.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.2%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%				
Closing Stocks (million barrels)																				
OECD Commercial Inventory																				
Current	3,029	3,013	2,960	2,843	2,806	2,807	2,890	2,894	2,923	2,985	2,999	2,981	2,994	2,843	2,894	2,981	-5.0%	1.8%	3.0%	
Previous	3,029	3,013	2,960	2,843	2,806	2,807	2,858	2,867	2,911	2,984	3,006	3,005	2,994	2,843	2,867	3,005	-5.0%	0.8%	4.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.9%	0.4%	0.0%	-0.2%	-0.8%	0.0%	0.0%	0.9%	-0.8%				
OPEC Surplus Production Capacity and World Macroeconomic																				
OPEC Surplus Crude Oil Production Capacity (million barrels per day)																				
Current	2.19	2.13	1.95	2.10	1.91	1.83	1.39	1.04	1.54	1.54	1.54	1.54	1.15	2.09	1.54	1.54	82.5%	-26.4%	-0.4%	
Previous	2.19	2.13	1.95	2.10	1.91	1.83	1.40	1.07	1.22	1.22	1.22	1.18	1.15	2.09	1.55	1.21	82.5%	-25.9%	-22.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-2.8%	26.3%	26.3%	26.3%	29.8%	0.0%	0.0%	-0.6%	27.2%				
World Oil-Consumption-Weighted GDP Growth (annualized percent change)																				
Current	3.63	2.91	3.17	3.09	3.36	3.31	3.11	3.00	2.90	2.86	2.95	2.95	2.73	3.20	3.19	2.92				
Previous	3.55	2.83	3.09	3.00	3.32	3.29	3.12	3.07	2.93	2.86	2.96	2.93	2.77	3.12	3.20	2.92				

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

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

Current Forecast: December 11, 2018; Previous Forecast: November 6, 2018

	2017				2018				2019				Year				Growth Rate			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2016	2017	2018	2019	2016-2017	2017-2018	2018-2019	
U.S. Supply (million barrels per day)																				
U.S. Crude Oil Production																				
Current	9.02	9.11	9.32	9.95	10.23	10.54	11.25	11.50	11.82	12.10	12.10	12.23	8.83	9.35	10.88	12.06	5.9%	16.4%	10.8%	
Previous	9.02	9.11	9.32	9.95	10.23	10.54	11.24	11.57	11.83	12.04	12.05	12.31	8.83	9.35	10.90	12.06	5.9%	16.5%	10.6%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.6%	-0.1%	0.5%	0.3%	-0.7%	0.0%	0.0%	-0.1%	0.0%				
U.S. Natural Gas Plant Liquids Production																				
Current	3.57	3.75	3.77	4.03	4.01	4.30	4.54	4.68	4.80	4.94	5.07	5.11	3.51	3.78	4.38	4.98	7.8%	15.9%	13.6%	
Previous	3.57	3.75	3.77	4.03	4.01	4.30	4.51	4.65	4.68	4.81	4.93	5.01	3.51	3.78	4.37	4.86	7.8%	15.5%	11.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.6%	2.5%	2.8%	2.7%	2.1%	0.0%	0.0%	0.3%	2.5%				
U.S. Ethanol Production																				
Current	1.05	1.01	1.03	1.06	1.05	1.04	1.06	1.05	1.04	1.04	1.03	1.04	1.00	1.04	1.05	1.04	3.7%	1.0%	-1.2%	
Previous	1.05	1.01	1.03	1.06	1.05	1.04	1.07	1.05	1.03	1.04	1.03	1.04	1.00	1.04	1.05	1.04	3.7%	1.0%	-1.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.2%	0.3%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
U.S. Total Petroleum and Other Liquid Fuel Net Imports																				
Current	4.29	4.21	3.86	2.73	3.05	2.75	2.67	1.21	1.52	1.43	1.35	0.70	4.79	3.77	2.41	1.25	-21.4%	-35.9%	-48.4%	
Previous	4.29	4.21	3.86	2.73	3.05	2.75	2.73	1.23	1.49	1.51	1.42	0.60	4.79	3.77	2.43	1.26	-21.4%	-35.4%	-48.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%	-1.9%	2.0%	-5.6%	-5.2%	15.5%	0.0%	0.0%	-0.8%	-0.7%				
U.S. Consumption (million barrels per day)																				
U.S. Gasoline																				
Current	8.94	9.54	9.58	9.24	9.01	9.51	9.51	9.22	9.05	9.58	9.55	9.28	9.32	9.33	9.31	9.37	0.1%	-0.1%	0.6%	
Previous	8.94	9.54	9.58	9.24	9.01	9.51	9.57	9.25	9.03	9.54	9.54	9.30	9.32	9.33	9.34	9.35	0.1%	0.1%	0.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.3%	0.3%	0.5%	0.1%	-0.2%	0.0%	0.0%	-0.2%	0.2%				
U.S. Distillate																				
Current	3.93	3.89	3.85	4.05	4.18	4.13	4.05	4.18	4.22	4.12	4.13	4.24	3.88	3.93	4.13	4.18	1.4%	5.1%	1.0%	
Previous	3.93	3.89	3.85	4.05	4.18	4.13	4.04	4.14	4.19	4.11	4.12	4.22	3.88	3.93	4.12	4.16	1.4%	4.9%	0.9%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.9%	0.6%	0.2%	0.0%	0.7%	0.0%	0.0%	0.2%	0.4%				
U.S. Jet Fuel																				
Current	1.60	1.69	1.71	1.73	1.64	1.73	1.78	1.75	1.71	1.78	1.83	1.80	1.61	1.68	1.72	1.78	4.2%	2.5%	3.2%	
Previous	1.60	1.69	1.71	1.73	1.64	1.73	1.79	1.75	1.71	1.78	1.83	1.80	1.61	1.68	1.73	1.78	4.2%	2.6%	3.1%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	0.3%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	-0.1%	0.1%				
U.S. Hydrocarbon Gas Liquids																				
Current	2.82	2.48	2.40	2.88	3.22	2.67	2.85	3.22	3.28	2.85	3.01	3.40	2.54	2.64	2.99	3.14	4.2%	13.0%	5.1%	
Previous	2.82	2.48	2.40	2.88	3.22	2.67	2.81	3.10	3.20	2.76	2.93	3.31	2.54	2.64	2.95	3.05	4.2%	11.6%	3.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	3.9%	2.6%	3.2%	2.8%	3.0%	0.0%	0.0%	1.3%	2.9%				
U.S. Total Petroleum and Other Liquid Fuels																				
Current	19.54	20.07	20.01	20.21	20.24	20.33	20.63	20.71	20.53	20.67	21.03	21.02	19.69	19.96	20.48	20.81	1.4%	2.6%	1.6%	
Previous	19.54	20.07	20.01	20.21	20.24	20.33	20.74	20.54	20.38	20.53	20.94	20.91	19.69	19.96	20.47	20.69	1.4%	2.5%	1.1%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.8%	0.7%	0.7%	0.4%	0.5%	0.0%	0.0%	0.1%	0.6%				
U.S. Closing Stocks (million barrels)																				
U.S. Crude Oil																				
Current	538.6	501.6	469.6	421.6	423.4	414.8	416.1	433.7	478.9	477.9	468.3	475.9	484.6	421.6	433.7	475.9	-13.0%	2.9%	9.7%	
Previous	538.6	501.6	469.6	421.6	423.4	414.8	406.5	420.5	469.7	471.3	463.7	472.0	484.6	421.6	420.5	472.0	-13.0%	-0.3%	12.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	3.1%	2.0%	1.4%	1.0%	0.8%	0.0%	0.0%	3.1%	0.8%				
U.S. Total Gasoline																				
Current	239.6	238.4	223.2	236.8	239.6	240.3	239.7	238.9	242.2	239.1	234.0	246.8	238.6	236.8	238.9	246.8	-0.7%	0.9%	3.3%	
Previous	239.6	238.4	223.2	236.8	239.6	240.3	235.6	239.7	242.5	239.2	234.0	246.5	238.6	236.8	239.7	246.5	-0.7%	1.2%	2.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	-0.3%	-0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	-0.3%	0.1%				
U.S. Distillate Fuel Oil																				
Current	152.0	152.1	137.3	145.6	130.4	120.4	137.1	133.4	124.5	127.2	132.2	137.0	166.1	145.6	133.4	137.0	-12.3%	-8.4%	2.8%	
Previous	152.0	152.1	137.3	145.6	130.4	120.4	135.0	137.1	127.5	129.9	134.7	139.4	166.1	145.6	137.1	139.4	-12.3%	-5.9%	1.7%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	-2.7%	-2.4%	-2.1%	-1.9%	-1.7%	0.0%	0.0%	-2.7%	-1.7%				

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

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

Current Forecast: December 11, 2018; Previous Forecast: November 6, 2018

	2017				2018				2019				Year				Growth Rate			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2016	2017	2018	2019	2016-2017	2017-2018	2018-2019	
U.S. Supply (billion cubic feet per day)																				
U.S. Total Marketed Production																				
Current	77.02	78.62	80.33	83.92	84.93	87.39	91.52	94.55	96.28	97.15	97.46	97.47	77.60	79.99	89.63	97.09	3.1%	12.0%	8.3%	
Previous	77.02	78.62	80.33	83.92	84.93	87.39	91.44	94.32	95.78	96.52	96.89	97.37	77.60	79.99	89.55	96.65	3.1%	11.9%	7.9%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.5%	0.6%	0.6%	0.1%	0.0%	0.0%	0.1%	0.5%				
U.S. Federal GOM Marketed Production																				
Current	3.24	3.00	2.90	2.49	2.57	2.48	2.86	2.88	2.95	2.95	2.91	2.97	3.28	2.90	2.70	2.95	-11.4%	-7.1%	9.1%	
Previous	3.24	3.00	2.90	2.49	2.57	2.48	2.90	2.92	3.00	3.01	2.96	3.03	3.28	2.90	2.72	3.00	-11.4%	-6.3%	10.3%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.4%	-1.5%	-1.6%	-1.8%	-1.9%	-2.0%	0.0%	0.0%	-0.8%	-1.8%				
U.S. Lower 48 ex GOM Marketed Production																				
Current	72.78	74.65	76.61	80.45	81.37	83.98	87.80	90.74	92.33	93.33	93.76	93.55	73.41	76.14	86.00	93.25	3.7%	12.9%	8.4%	
Previous	72.78	74.65	76.61	80.45	81.37	83.98	87.67	90.46	91.79	92.65	93.14	93.40	73.41	76.14	85.90	92.75	3.7%	12.8%	8.0%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.6%	0.7%	0.7%	0.2%	0.0%	0.0%	0.1%	0.5%				
U.S. Pipeline Gross Imports																				
Current	8.9	7.8	7.7	8.1	8.8	7.6	7.5	7.3	8.6	6.8	6.3	7.1	8.0	8.1	7.8	7.2	1.9%	-4.0%	-7.6%	
Previous	8.9	7.8	7.7	8.1	8.8	7.6	7.6	7.5	8.6	6.8	6.3	7.1	8.0	8.1	7.9	7.2	1.9%	-3.3%	-8.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	-2.2%	-0.4%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.1%			
U.S. LNG Gross Imports																				
Current	0.29	0.18	0.17	0.21	0.33	0.10	0.15	0.18	0.32	0.17	0.17	0.21	0.24	0.21	0.19	0.22	-11.5%	-10.5%	13.4%	
Previous	0.29	0.18	0.17	0.21	0.33	0.10	0.16	0.18	0.32	0.17	0.17	0.21	0.24	0.21	0.19	0.22	-11.5%	-10.3%	13.1%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%			
U.S. Gross Exports																				
Current	8.87	8.29	8.10	9.45	9.66	8.94	9.99	11.89	13.53	12.65	13.44	14.77	6.38	8.68	10.13	13.60	36.0%	16.7%	34.3%	
Previous	8.87	8.29	8.10	9.45	9.66	8.94	10.04	11.67	13.53	12.65	13.44	14.77	6.38	8.68	10.08	13.60	36.0%	16.2%	34.9%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%			
U.S. Consumption (billion cubic feet per day)																				
U.S. Residential																				
Current	22.11	6.62	3.54	16.24	25.75	7.97	3.45	17.24	25.70	7.53	3.66	16.24	11.88	12.09	13.55	13.23	1.8%	12.1%	-2.4%	
Previous	22.11	6.62	3.54	16.24	25.75	7.97	3.30	16.04	25.45	7.46	3.69	16.24	11.88	12.09	13.21	13.16	1.8%	9.3%	-0.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.4%	7.5%	1.0%	0.9%	-0.8%	0.0%	0.0%	0.0%	2.6%	0.5%				
U.S. Commercial																				
Current	13.45	5.81	4.52	10.97	15.34	6.61	4.58	10.75	15.33	6.73	4.61	10.26	8.50	8.67	9.29	9.21	2.0%	7.2%	-0.9%	
Previous	13.45	5.81	4.52	10.97	15.35	6.61	4.42	9.99	15.28	6.56	4.63	10.27	8.50	8.67	9.06	9.15	2.0%	4.6%	1.0%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	7.6%	0.3%	2.7%	-0.3%	-0.1%	0.0%	0.0%	2.5%	0.6%				
U.S. Industrial																				
Current	23.13	20.61	20.41	22.98	24.27	21.78	21.23	23.79	24.30	21.72	21.13	24.01	21.12	21.78	22.76	22.79	3.1%	4.5%	0.1%	
Previous	23.13	20.61	20.41	22.98	24.27	21.78	21.04	23.41	24.04	21.66	21.06	23.97	21.12	21.78	22.62	22.68	3.1%	3.9%	0.3%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	1.6%	1.1%	0.3%	0.3%	0.2%	0.0%	0.0%	0.6%	0.5%				
U.S. Electric Power Sector																				
Current	21.12	23.94	32.21	24.17	24.91	27.61	37.80	25.68	24.64	27.32	36.53	25.94	27.28	25.39	29.03	28.63	-7.0%	14.3%	-1.3%	
Previous	21.12	23.94	32.21	24.17	24.91	27.61	37.53	26.38	25.65	27.49	36.39	26.69	27.28	25.39	29.13	29.08	-7.0%	14.8%	-0.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	-2.7%	-3.9%	-0.6%	0.4%	-2.8%	0.0%	0.0%	-0.4%	-1.5%				
U.S. Total Consumption																				
Current	86.39	62.98	66.88	81.16	97.54	70.66	74.05	84.94	97.94	70.68	73.52	84.39	74.98	74.32	81.74	81.57	-0.9%	10.0%	-0.2%	
Previous	86.39	62.98	66.88	81.16	97.54	70.66	73.26	83.22	98.34	70.50	73.30	85.08	74.98	74.32	81.11	81.75	-0.9%	9.1%	0.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	2.1%	-0.4%	0.3%	0.3%	-0.8%	0.0%	0.0%	0.8%	-0.2%				
U.S. Working Gas in Storage (billion cubic feet)																				
Current	2,063	2,907	3,567	3,033	1,391	2,196	2,951	2,592	1,348	2,514	3,403	3,097	3,297	3,033	2,592	3,097	-8.0%	-14.5%	19.5%	
Previous	2,063	2,907	3,567	3,033	1,391	2,196	2,931	2,701	1,448	2,527	3,330	3,060	3,297	3,033	2,701	3,060	-8.0%	-10.9%	13.3%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	-4.0%	-6.9%	-0.5%	2.2%	1.2%	0.0%	0.0%	-4.0%	1.2%				
U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)																				
Current	0.17	-1.32	-1.00	-2.10	0.44	-0.63	-0.58	-2.53	-0.76	-1.09	-0.38	-2.00	-0.59	-1.07	-0.83	-1.06				
Previous	0.17	-1.32	-1.00	-2.10	0.44	-0.63	-1.51	-3.02	-0.04	-1.65	-1.02	-0.82	-0.59	-1.07	-1.19	-0.89				

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

Current Forecast: December 11, 2018; Previous Forecast: November 6, 2018

	2017				2018				2019				Year				Growth Rate			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2016	2017	2018	2019	2016-2017	2017-2018	2018-2019	
U.S. Electricity Generation, All Sectors (thousand megawatthours per day)																				
U.S. Total Generation																				
Current	10,564	10,712	12,224	10,697	11,128	11,141	12,822	10,872	11,113	10,790	12,445	10,688	11,138	11,053	11,494	11,261	-0.8%	4.0%	-2.0%	
Previous	10,564	10,712	12,224	10,697	11,128	11,141	12,807	10,804	11,061	10,775	12,461	10,605	11,138	11,053	11,473	11,228	-0.8%	3.8%	-2.1%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.6%	0.5%	0.1%	-0.1%	0.8%	0.0%	0.0%	0.2%	0.3%				
U.S. Coal																				
Current	3,239	3,095	3,754	3,123	3,127	2,859	3,559	3,210	3,257	2,568	3,256	2,818	3,386	3,304	3,190	2,975	-2.4%	-3.4%	-6.8%	
Previous	3,239	3,095	3,754	3,123	3,127	2,859	3,588	3,093	3,120	2,578	3,317	2,709	3,386	3,304	3,168	2,931	-2.4%	-4.1%	-7.5%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	3.8%	4.4%	-0.4%	-1.8%	4.0%	0.0%	0.0%	0.7%	1.5%				
U.S. Natural gas																				
Current	3,035	3,338	4,416	3,403	3,456	3,806	5,160	3,623	3,469	3,762	4,942	3,642	3,766	3,552	4,015	3,957	-5.7%	13.0%	-1.4%	
Previous	3,035	3,338	4,416	3,403	3,456	3,806	5,130	3,700	3,600	3,783	4,924	3,742	3,766	3,552	4,027	4,015	-5.7%	13.4%	-0.3%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-2.1%	-3.6%	-0.5%	0.4%	-2.7%	0.0%	0.0%	-0.3%	-1.4%				
U.S. Petroleum																				
Current	59	55	56	64	102	53	61	58	76	57	64	56	66	59	68	63	-11.4%	16.8%	-7.3%	
Previous	59	55	56	64	102	53	62	57	75	57	64	55	66	59	68	63	-11.4%	16.7%	-8.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.8%	1.7%	0.3%	0.5%	1.6%	0.0%	0.0%	0.1%	1.0%				
U.S. Nuclear																				
Current	2,242	2,034	2,302	2,243	2,294	2,155	2,277	2,122	2,240	2,097	2,272	2,135	2,201	2,205	2,212	2,186	0.2%	0.3%	-1.2%	
Previous	2,242	2,034	2,302	2,243	2,294	2,155	2,279	2,121	2,240	2,097	2,272	2,135	2,201	2,205	2,212	2,186	0.2%	0.3%	-1.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
U.S. Conventional Hydroelectric																				
Current	886	1,011	733	665	856	944	696	607	737	868	711	645	732	823	775	740	12.5%	-5.8%	-4.5%	
Previous	886	1,011	733	665	856	944	680	627	754	887	751	639	732	823	776	757	12.5%	-5.7%	-2.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	-3.1%	-2.2%	-2.2%	-5.3%	0.9%	0.0%	0.0%	-0.1%	-2.3%				
U.S. Other Renewables																				
Current	1,050	1,126	911	1,147	1,237	1,269	1,021	1,203	1,282	1,383	1,147	1,337	933	1,058	1,182	1,287	13.4%	11.7%	8.9%	
Previous	1,050	1,126	911	1,147	1,237	1,269	1,019	1,152	1,217	1,318	1,078	1,268	933	1,058	1,169	1,220	13.4%	10.4%	4.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	4.4%	5.3%	4.9%	6.4%	5.4%	0.0%	0.0%	1.2%	5.5%				
U.S. Electricity Sales (million kilowatthours per day)																				
U.S. Residential																				
Current	3,703	3,424	4,464	3,512	4,103	3,605	4,719	3,636	4,108	3,412	4,527	3,531	3,855	3,777	4,017	3,895	-2.0%	6.3%	-3.0%	
Previous	3,703	3,424	4,464	3,512	4,103	3,605	4,724	3,617	4,105	3,419	4,528	3,520	3,855	3,777	4,013	3,893	-2.0%	6.2%	-3.0%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.5%	0.1%	-0.2%	0.0%	0.3%	0.0%	0.0%	0.1%	0.0%				
U.S. Commercial																				
Current	3,516	3,655	4,094	3,562	3,606	3,705	4,205	3,571	3,618	3,657	4,148	3,557	3,735	3,708	3,773	3,746	-0.7%	1.8%	-0.7%	
Previous	3,516	3,655	4,094	3,562	3,606	3,705	4,211	3,555	3,613	3,658	4,150	3,533	3,735	3,708	3,770	3,739	-0.7%	1.7%	-0.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.4%	0.1%	0.0%	0.7%	0.0%	0.0%	0.0%	0.1%	0.2%				
U.S. Industrial																				
Current	2,599	2,719	2,831	2,636	2,498	2,618	2,773	2,636	2,535	2,655	2,805	2,651	2,669	2,697	2,631	2,662	1.1%	-2.4%	1.2%	
Previous	2,599	2,719	2,831	2,636	2,498	2,618	2,802	2,604	2,520	2,647	2,828	2,616	2,669	2,697	2,631	2,653	1.1%	-2.4%	0.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	1.2%	0.6%	0.3%	-0.8%	1.4%	0.0%	0.0%	0.0%	0.3%				
U.S. Total																				
Current	9,839	9,817	11,410	9,731	10,230	9,948	11,718	9,862	10,283	9,743	11,500	9,759	10,280	10,202	10,442	10,323	-0.8%	2.4%	-1.1%	
Previous	9,839	9,817	11,410	9,731	10,230	9,948	11,759	9,797	10,259	9,743	11,526	9,688	10,280	10,202	10,436	10,306	-0.8%	2.3%	-1.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.7%	0.2%	0.0%	-0.2%	0.7%	0.0%	0.0%	0.1%	0.2%				

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

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

Current Forecast: December 11, 2018; Previous Forecast: November 6, 2018

	2017				2018				2019				Year				Growth Rate			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2016	2017	2018	2019	2016-2017	2017-2018	2018-2019	
U.S. Coal (million short tons)																				
U.S. Production																				
Current	197.1	187.1	196.4	193.9	187.6	180.8	195.8	197.5	195.4	159.9	195.2	191.4	728	774.6	762	742	6.3%	-1.7%	-2.6%	
Previous	197.0	187.1	196.2	193.8	187.6	180.8	195.8	192.1	189.0	158.5	196.9	184.3	728	774	756	729	6.3%	-2.3%	-3.7%	
Percent Change	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	2.8%	3.4%	0.9%	-0.9%	3.8%	0.0%	0.1%	0.7%	1.8%				
U.S. Exports																				
Current	22.3	21.8	24.6	28.2	27.2	30.9	29.1	25.5	27.0	25.2	25.0	25.1	60.3	97.0	112.7	102.2	60.9%	16.3%	-9.3%	
Previous	22.3	21.8	24.6	28.2	27.2	30.9	28.3	24.0	25.4	24.6	25.2	25.2	60.3	97.0	110.4	100.4	60.9%	13.8%	-9.0%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	6.4%	6.0%	2.3%	-0.8%	-0.5%	0.0%	0.0%	2.1%	1.7%				
U.S. Imports																				
Current	1.9	2.2	2.3	1.4	1.4	1.5	1.4	1.4	1.3	1.4	1.7	1.7	9.8	7.8	5.8	6.1	-21.0%	-25.5%	5.0%	
Previous	1.9	2.2	2.3	1.4	1.4	1.5	1.8	2.0	0.9	1.8	2.5	2.2	9.8	7.8	6.7	7.4	-21.0%	-13.5%	9.5%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-20.6%	-28.1%	45.6%	-22.6%	-30.8%	-23.0%	0.0%	0.0%	-13.9%	-17.5%				
U.S. Electric Power Demand																				
Current	160.6	154.2	190.5	159.6	154.8	144.2	181.6	163.9	160.6	128.8	166.0	144.3	679	665	644	600	-2.0%	-3.1%	-6.9%	
Previous	160.6	154.2	190.5	159.6	154.8	144.2	182.5	157.6	153.9	129.0	168.7	138.6	679	665	639	590	-2.0%	-3.9%	-7.6%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	4.0%	4.3%	-0.1%	-1.6%	4.1%	0.0%	0.0%	0.8%	1.6%				
U.S. Secondary Stocks																				
Current	166.8	163.3	145.1	143.0	131.1	126.2	105.7	112.8	111.5	110.1	106.3	114.7	167.7	143.0	112.8	114.7	-14.7%	-21.1%	1.7%	
Previous	166.8	163.3	145.1	143.0	131.1	126.2	105.2	113.1	112.1	110.6	106.9	115.1	167.7	143.0	113.1	115.1	-14.7%	-20.9%	1.7%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	-0.3%	-0.5%	-0.4%	-0.5%	-0.3%	0.0%	0.0%	-0.3%	-0.3%				
U.S. Carbon Dioxide Emissions																				
Petroleum																				
Current	565.0	587.4	594.0	595.8	580.3	594.3	606.3	605.3	585.5	596.2	608.9	605.3	2,326	2,342	2,386	2,396	0.7%	1.9%	0.4%	
Previous	565.0	587.4	594.0	595.8	580.3	594.3	603.1	600.9	582.1	593.6	608.1	603.6	2,326	2,342	2,379	2,387	0.7%	1.6%	0.4%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.7%	0.6%	0.4%	0.1%	0.3%	0.0%	0.0%	0.3%	0.4%				
Coal																				
Current	319.1	306.8	373.1	317.0	307.7	288.3	355.0	332.5	320.8	260.6	330.4	296.2	1354.2	1316.0	1283.6	1208.0	-2.8%	-2.5%	-5.9%	
Previous	319.6	307.3	374.4	317.5	308.2	288.8	360.1	320.7	308.4	260.8	335.1	285.5	1354.2	1318.7	1277.8	1189.7	-2.6%	-3.1%	-6.9%	
Percent Change	-0.2%	-0.2%	-0.3%	-0.2%	-0.2%	-0.2%	-1.4%	3.7%	4.0%	-0.1%	-1.4%	3.8%	0.0%	-0.2%	0.5%	1.5%				
Natural Gas																				
Current	423.0	310.9	334.0	405.9	477.9	349.2	365.3	424.8	479.8	349.2	367.1	422.0	1494.0	1473.9	1617.1	1618.1	-1.3%	9.7%	0.1%	
Previous	423.3	311.0	334.1	406.1	478.0	349.3	366.4	416.3	482.0	348.3	365.9	425.6	1494.0	1474.4	1610.0	1621.8	-1.3%	9.2%	0.7%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	2.0%	-0.4%	0.2%	0.3%	-0.9%	0.0%	0.0%	0.4%	-0.2%				
Total Fossil Fuel																				
Current	1307.1	1205.0	1301.1	1318.8	1365.9	1231.8	1326.6	1362.6	1386.1	1206.0	1306.4	1323.5	5,174	5,132	5,287	5,222	-0.8%	3.0%	-1.2%	
Previous	1307.9	1205.6	1302.4	1319.4	1366.5	1232.3	1329.7	1338.0	1372.5	1202.7	1309.0	1314.7	5,174	5,135	5,267	5,199	-0.8%	2.6%	-1.3%	
Percent Change	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	-0.2%	1.8%	1.0%	0.3%	-0.2%	0.7%	0.0%	-0.1%	0.4%	0.4%				

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

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

Current Forecast: December 11, 2018; Previous Forecast: November 6, 2018

	2017				2018				2019				Year				Growth Rate			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2016	2017	2018	2019	2016-2017	2017-2018	2018-2019	
U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)																				
U.S. Wind Power																				
Current	0.609	0.617	0.438	0.682	0.722	0.689	0.494	0.709	0.749	0.771	0.575	0.802	2.094	2.346	2.613	2.897	12.0%	11.4%	10.9%	
Previous	0.609	0.617	0.438	0.682	0.722	0.689	0.492	0.665	0.696	0.717	0.517	0.743	2.094	2.346	2.568	2.673	12.0%	9.5%	4.1%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	6.5%	7.8%	7.6%	11.1%	7.9%	0.0%	0.0%	1.7%	8.4%				
U.S. Wood Biomass																				
Current	0.542	0.534	0.554	0.556	0.555	0.552	0.566	0.547	0.533	0.528	0.551	0.546	2.131	2.187	2.220	2.159	2.6%	1.5%	-2.7%	
Previous	0.542	0.534	0.554	0.556	0.555	0.552	0.564	0.548	0.533	0.527	0.550	0.545	2.131	2.187	2.219	2.156	2.6%	1.5%	-2.9%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	-0.2%	0.1%	0.2%	0.2%	0.2%	0.0%	0.0%	0.0%	0.1%				
U.S. Solar Power																				
Current	0.136	0.236	0.236	0.166	0.183	0.295	0.287	0.200	0.209	0.324	0.326	0.228	0.569	0.774	0.965	1.087	36.2%	24.6%	12.7%	
Previous	0.136	0.236	0.236	0.166	0.183	0.295	0.286	0.200	0.209	0.324	0.325	0.229	0.569	0.774	0.964	1.087	36.2%	24.4%	12.8%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	-0.1%	0.0%	0.1%	-0.2%	0.0%	0.0%	0.1%	0.0%				
U.S. Ethanol																				
Current	0.279	0.304	0.307	0.303	0.283	0.297	0.305	0.309	0.285	0.307	0.308	0.303	1.182	1.192	1.194	1.203	0.9%	0.2%	0.7%	
Previous	0.279	0.304	0.307	0.303	0.283	0.297	0.308	0.305	0.284	0.306	0.308	0.303	1.182	1.192	1.193	1.201	0.9%	0.1%	0.7%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	1.2%	0.3%	0.5%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.2%			
U.S. Biodiesel																				
Current	0.054	0.079	0.078	0.069	0.054	0.068	0.071	0.089	0.066	0.085	0.098	0.101	0.291	0.280	0.283	0.350	-3.6%	0.8%	23.9%	
Previous	0.054	0.079	0.078	0.069	0.054	0.068	0.075	0.092	0.066	0.085	0.098	0.101	0.291	0.280	0.290	0.350	-3.6%	3.3%	20.9%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-4.8%	-3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.4%	0.0%			
U.S. Renewable Electric Power Sector Generation Capacity (MW)																				
Wind Power																				
Current	82,919	83,378	84,109	87,488	88,538	88,662	89,565	95,828	96,653	97,970	99,549	106,717	81,198	87,488	95,828	106,717	7.7%	9.5%	11.4%	
Previous	82,919	83,378	84,109	87,488	88,538	88,662	89,565	95,419	96,178	97,650	99,071	107,081	81,198	87,488	95,419	107,081	7.7%	9.1%	12.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.5%	0.3%	0.5%	-0.3%	0.0%	0.0%	0.4%	-0.3%				
Wood Biomass																				
Current	3,031	3,031	3,085	3,079	3,042	3,042	3,042	2,987	3,146	3,146	3,146	3,146	3,166	3,079	2,987	3,146	-2.7%	-3.0%	5.3%	
Previous	3,031	3,031	3,085	3,079	3,042	3,042	3,042	2,987	3,146	3,146	3,146	3,146	3,166	3,079	2,987	3,146	-2.7%	-3.0%	5.3%	
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%				
Solar Power																				
Current	22,591	23,624	24,134	26,432	27,956	28,799	29,283	32,115	32,720	33,449	33,742	36,371	21,631	26,432	32,115	36,371	22.2%	21.5%	13.3%	
Previous	22,591	23,624	24,134	26,432	27,956	28,793	29,246	32,157	32,697	33,310	33,598	36,385	21,631	26,432	32,157	36,385	22.2%	21.7%	13.2%	
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.1%	0.1%	0.4%	0.4%	0.0%	0.0%	0.0%	-0.1%	0.0%				

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