

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

Current Forecast: November 6, 2018; Previous Forecast: October 10, 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
<b>U.S. Energy Supply</b>																			
<b>U.S. Crude Oil Production (million barrels per day)</b>																			
Current	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%
Previous	9.02	9.11	9.32	9.95	10.23	10.54	11.03	11.14	11.41	11.66	11.78	12.16	8.83	9.35	10.74	11.76	5.9%	14.8%	9.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.9%	3.8%	3.7%	3.2%	2.3%	1.2%	0.0%	0.0%	1.5%	2.6%			
<b>U.S. Dry Natural Gas Production (billion cubic feet per day)</b>																			
Current	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%
Previous	71.99	73.49	75.09	78.44	79.14	81.21	84.36	85.86	86.83	87.36	87.91	88.80	72.66	74.77	82.67	87.73	2.9%	10.6%	6.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	2.0%	2.3%	2.4%	2.1%	1.5%	0.0%	0.0%	0.7%	2.1%			
<b>U.S. Coal Production (million short tons)</b>																			
Current	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%
Previous	197.0	187.1	196.2	193.8	187.6	180.8	196.3	190.9	192.3	159.7	200.5	190.5	728.4	774.1	755.6	742.9	6.3%	-2.4%	-1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.7%	-1.7%	-0.7%	-1.8%	-3.2%	0.0%	0.0%	0.1%	-1.9%			
<b>U.S. Energy Consumption</b>																			
<b>U.S. Petroleum and Other Liquid Fuels Consumption (million barrels per day)</b>																			
Current	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%
Previous	19.54	20.07	20.01	20.21	20.24	20.33	20.51	20.57	20.32	20.49	20.89	20.87	19.69	19.96	20.41	20.64	1.4%	2.3%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	-0.1%	0.3%	0.2%	0.3%	0.2%	0.0%	0.0%	0.3%	0.2%			
<b>U.S. Natural Gas Consumption (billion cubic feet per day)</b>																			
Current	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%
Previous	86.21	63.04	66.96	81.02	97.15	70.66	72.49	82.27	96.82	70.06	71.47	83.55	74.98	74.27	80.58	80.42	-0.9%	8.5%	-0.2%
Percent Change	0.2%	-0.1%	-0.1%	0.2%	0.4%	0.0%	1.1%	1.2%	1.6%	0.6%	2.6%	1.8%	0.0%	0.1%	0.7%	1.7%			
<b>U.S. Electricity Retail Sales (million kilowatthours per day)</b>																			
Current	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%
Previous	9,750	9,704	11,280	9,605	10,205	9,941	11,656	9,710	10,235	9,745	11,384	9,698	10,280	10,088	10,380	10,267	-1.9%	2.9%	-1.1%
Percent Change	0.9%	1.2%	1.2%	1.3%	0.2%	0.1%	0.9%	0.9%	0.2%	0.0%	1.2%	-0.1%	0.0%	1.1%	0.5%	0.4%			
<b>U.S. Total Energy Consumption (quadrillion Btu)</b>																			
Current	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%
Previous	25.08	23.26	24.38	25.15	26.39	24.07	24.76	24.85	25.97	23.39	24.62	25.10	97.58	97.87	100.07	99.08	0.3%	2.3%	-1.0%
Percent Change	-0.1%	-0.1%	0.1%	0.3%	0.1%	0.0%	0.4%	1.1%	0.4%	0.2%	0.6%	0.2%	-0.1%	0.0%	0.4%	0.3%			
<b>U.S. Macroeconomic and Weather</b>																			
<b>U.S. Real Gross Domestic Product (billion chained 2012 dollars)</b>																			
Current	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%
Previous	17,863	17,995	18,121	18,224	18,324	18,515	18,649	18,792	18,922	19,040	19,144	19,244	17,659	18,051	18,570	19,087	2.2%	2.9%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%			
<b>U.S. Manufacturing Production Index (index 2012 = 100)</b>																			
Current	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%
Previous	102.0	102.7	102.2	103.6	104.1	104.8	105.7	106.2	107.1	108.0	108.7	109.1	101.1	102.6	105.2	108.2	1.5%	2.5%	2.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>U.S. Heating Degree Days</b>																			
Current	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%
Previous	1,858	427	65	1,481	2,131	523	53	1,538	2,115	481	76	1,511	3,879	3,832	4,245	4,184	-1.2%	10.8%	-1.5%
Percent Change	-0.1%	-0.1%	0.1%	-0.1%	-0.1%	-0.2%	-13.9%	0.6%	0.1%	-0.2%	-2.0%	1.0%	0.0%	-0.1%	0.0%	0.4%			
<b>U.S. Cooling Degree Days</b>																			
Current	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%
Previous	70	402	838	114	51	475	976	88	40	396	843	91	1,558	1,424	1,590	1,370	-8.6%	11.7%	-13.9%
Percent Change	0.0%	0.1%	0.0%	0.6%	0.2%	0.2%	-1.3%	35.0%	0.0%	0.2%	0.5%	-0.4%	0.0%	0.1%	1.2%	0.3%			

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

## STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: November 6, 2018; Previous Forecast: October 10, 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
<b>U.S. Petroleum</b>																			
<b>WTI spot (\$/barrel)</b>																			
Current	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%
Previous	51.64	48.15	48.16	55.27	62.90	68.07	69.69	73.05	71.00	68.34	68.31	70.64	43.33	50.79	68.46	69.56	17.2%	34.8%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.0%	-12.7%	-6.9%	-2.4%	-5.2%	0.0%	0.0%	-2.4%	-6.8%			
<b>Refiner composite crude oil acquisition cost (\$/barrel)</b>																			
Current	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%
Previous	49.90	47.73	48.31	56.73	61.89	67.36	68.74	71.98	70.00	67.32	67.32	69.67	40.69	50.68	67.56	68.55	24.5%	33.3%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	-9.4%	-12.9%	-6.9%	-2.5%	-5.3%	0.0%	0.0%	-2.5%	-6.8%			
<b>Brent spot average (\$/barrel)</b>																			
Current	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%
Previous	53.57	49.59	52.09	61.42	66.84	74.53	75.02	81.09	77.00	74.34	74.00	75.00	43.74	54.15	74.43	75.06	23.8%	37.4%	0.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-6.4%	-7.8%	-2.3%	-1.3%	-5.3%	0.0%	0.0%	-1.8%	-4.2%			
<b>Gasoline, regular-grade retail including taxes (\$/gallon)</b>																			
Current	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%
Previous	2.33	2.38	2.44	2.51	2.58	2.85	2.84	2.87	2.78	2.91	2.91	2.81	2.15	2.42	2.79	2.85	12.5%	15.4%	2.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.8%	-6.1%	-3.0%	-1.5%	-3.4%	0.0%	0.0%	-1.5%	-3.4%			
<b>Diesel, retail including taxes (\$/gallon)</b>																			
Current	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%
Previous	2.57	2.55	2.63	2.87	3.02	3.20	3.24	3.34	3.21	3.16	3.20	3.26	2.31	2.65	3.20	3.21	14.9%	20.6%	0.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.0%	-2.3%	0.4%	1.6%	0.0%	0.0%	0.0%	-0.5%	0.0%			
<b>Heating Oil, residential retail including taxes (\$/gallon)</b>																			
Current	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%
Previous	2.47	2.38	2.34	2.65	2.87	2.99	3.23	3.29	3.26	3.06	3.05	3.17	2.10	2.51	3.05	3.18	19.2%	21.8%	4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-2.4%	-3.8%	-2.5%	-1.1%	-2.6%	0.0%	0.0%	-0.8%	-2.9%			
<b>U.S. Natural Gas</b>																			
<b>Henry Hub spot (\$ per million Btu)</b>																			
Current	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%
Previous	3.01	3.08	2.95	2.90	3.02	2.85	2.93	3.15	3.24	3.01	3.05	3.16	2.51	2.99	2.99	3.12	18.8%	0.1%	4.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	-2.5%	-4.3%	-5.1%	-6.1%	0.0%	0.0%	0.8%	-4.5%			
<b>Residential Retail (\$ per thousand cubic feet)</b>																			
Current	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%
Previous	9.68	12.95	17.64	10.12	9.38	11.96	17.49	10.83	9.77	12.26	16.76	10.76	10.04	10.86	10.74	10.94	8.2%	-1.1%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.5%	-0.2%	-0.6%	0.1%	0.0%	0.0%	0.0%	0.2%	-0.3%			
<b>U.S. Electric Utilities Fuel Costs (\$ per million Btu)</b>																			
<b>Coal</b>																			
Current	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%
Previous	2.08	2.12	2.07	2.04	2.06	2.05	2.10	2.12	2.11	2.09	2.10	2.09	2.11	2.08	2.09	2.10	-1.7%	0.5%	0.6%
Percent Change	-0.4%	-1.8%	-1.3%	-0.2%	0.0%	0.0%	-1.2%	0.2%	-0.4%	0.0%	0.1%	-0.3%	0.0%	-0.9%	-0.3%	-0.1%			
<b>Natural Gas</b>																			
Current	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%
Previous	3.69	3.38	3.19	3.38	3.98	3.09	3.22	3.54	3.78	3.21	3.23	3.54	2.87	3.38	3.42	3.42	17.8%	1.0%	-0.1%
Percent Change	-0.4%	-0.3%	-0.8%	-0.3%	-0.4%	0.0%	0.7%	2.5%	-3.1%	-4.4%	-6.7%	-6.5%	0.0%	-0.5%	0.7%	-5.3%			
<b>Residual Fuel Oil</b>																			
Current	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%
Previous	11.16	10.60	10.03	11.93	11.47	13.02	13.57	14.62	14.71	14.75	13.92	13.71	8.46	10.97	12.86	14.31	29.6%	17.3%	11.2%
Percent Change	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.2%	-1.8%	-5.0%	-2.3%	0.0%	-3.4%	0.0%	0.4%	-0.5%	-2.9%			
<b>U.S. Residential Retail Electricity (cents per kilowatt-hour)</b>																			
Current	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%
Previous	12.59	12.99	13.19	12.75	12.57	13.02	13.20	12.89	12.88	13.55	13.59	13.23	12.55	12.90	12.93	13.31	2.8%	0.2%	3.0%
Percent Change	0.0%	0.2%	-0.2%	-0.3%	0.2%	0.1%	0.3%	-0.6%	0.2%	0.0%	0.2%	-0.3%	0.0%	-0.1%	0.0%	0.0%			

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: November 6, 2018; Previous Forecast: October 10, 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
<b>World Crude Oil and Liquid Fuels Supply (million barrels per day)</b>																			
<b>OECD (Organization for Economic Cooperation and Development) Supply</b>																			
Current	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%
Previous	27.17	26.87	27.19	28.33	28.85	29.02	29.60	30.48	30.67	30.99	31.18	31.82	26.51	27.39	29.49	31.17	3.3%	7.7%	5.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	1.4%	1.4%	1.4%	1.3%	1.0%	0.6%	0.0%	0.0%	0.7%	1.1%			
<b>OPEC (Organization of the Petroleum Exporting Countries) Supply</b>																			
Current	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%
Previous	38.87	39.15	39.74	39.38	39.32	38.88	39.11	38.88	38.84	38.67	38.72	38.73	39.40	39.29	39.05	38.74	-0.3%	-0.6%	-0.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.4%	0.3%	0.3%	0.0%	-0.1%	0.0%	0.0%	0.2%	0.1%			
<b>Non-OPEC Supply</b>																			
Current	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%
Previous	57.98	57.96	58.42	59.32	59.41	60.30	61.42	62.14	62.00	63.08	63.46	63.84	57.63	58.42	60.83	63.10	1.4%	4.1%	3.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.4%	0.7%	0.6%	0.5%	0.3%	0.2%	0.0%	0.0%	0.3%	0.4%			
<b>Total World Supply</b>																			
Current	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%
Previous	96.85	97.11	98.16	98.71	98.74	99.18	100.53	101.01	100.84	101.75	102.18	102.57	97.03	97.71	99.87	101.84	0.7%	2.2%	2.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.6%	0.5%	0.4%	0.2%	0.1%	0.0%	0.0%	0.2%	0.3%			
<b>World Crude Oil and Liquid Fuels Consumption (million barrels per day)</b>																			
<b>OECD (Organization for Economic Cooperation and Development) Consumption</b>																			
Current	46.73	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%
Previous	46.73	46.87	47.47	47.83	47.58	46.91	47.76	48.04	47.77	47.19	48.31	48.47	46.81	47.23	47.58	47.94	0.9%	0.7%	0.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	-0.1%	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.0%			
<b>Non-OECD Consumption</b>																			
Current	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%
Previous	50.37	51.71	51.60	51.59	51.67	52.54	52.85	52.91	52.72	53.88	54.01	53.88	50.16	51.32	52.50	53.63	2.3%	2.3%	2.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.5%	-0.1%	0.0%	-0.2%	-0.4%	0.0%	0.0%	0.0%	-0.1%	-0.1%			
<b>China Consumption</b>																			
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	12.86	13.36	13.87	14.34	3.9%	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%	0.0%	0.0%	0.0%	0.0%			
<b>Total World Consumption</b>																			
Current	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%
Previous	97.10	98.58	99.08	99.42	99.25	99.46	100.61	100.95	100.48	101.07	102.32	102.35	96.98	98.55	100.07	101.56	1.6%	1.5%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.1%	-0.1%	0.0%	-0.1%	-0.2%	0.0%	0.0%	0.0%	0.0%	-0.1%			
<b>Closing Stocks (million barrels)</b>																			
<b>OECD Commercial Inventory</b>																			
Current	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%
Previous	3,029	3,013	2,960	2,843	2,806	2,809	2,831	2,817	2,849	2,908	2,920	2,916	2,994	2,843	2,817	2,916	-5.0%	-0.9%	3.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.9%	1.7%	2.2%	2.6%	2.9%	3.1%	0.0%	0.0%	1.7%	3.1%			
<b>OPEC Surplus Production Capacity and World Macroeconomic</b>																			
<b>OPEC Surplus Crude Oil Production Capacity (million barrels per day)</b>																			
Current	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%
Previous	2.19	2.13	1.95	2.10	1.91	1.85	1.39	1.26	1.35	1.32	1.24	1.18	1.15	2.09	1.60	1.27	82.5%	-23.5%	-20.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	0.6%	-15.5%	-9.9%	-7.6%	-1.6%	0.0%	0.0%	0.0%	-3.2%	-4.9%			
<b>World Oil-Consumption-Weighted GDP Growth (annualized percent change)</b>																			
Current	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			
Previous	3.59	2.86	3.12	3.03	3.35	3.32	3.15	3.09	2.95	2.88	2.94	2.93	2.80	3.15	3.23	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: November 6, 2018; Previous Forecast: October 10, 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
<b>U.S. Supply (million barrels per day)</b>																			
<b>U.S. Crude Oil Production</b>																			
Current	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%
Previous	9.02	9.11	9.32	9.95	10.23	10.54	11.03	11.14	11.41	11.66	11.78	12.16	8.83	9.35	10.74	11.76	5.9%	14.8%	9.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.9%	3.8%	3.7%	3.2%	2.3%	1.2%	0.0%	0.0%	1.5%	2.6%			
<b>U.S. Natural Gas Plant Liquids Production</b>																			
Current	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%
Previous	3.57	3.75	3.77	4.03	4.01	4.30	4.49	4.63	4.64	4.74	4.86	4.95	3.51	3.78	4.36	4.80	7.8%	15.2%	10.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.5%	0.9%	1.5%	1.5%	1.1%	0.0%	0.0%	0.2%	1.3%			
<b>U.S. Ethanol Production</b>																			
Current	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%
Previous	1.05	1.01	1.03	1.06	1.05	1.04	1.06	1.04	1.03	1.04	1.03	1.03	1.00	1.04	1.05	1.03	3.7%	0.8%	-1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	0.5%	0.1%	0.2%	0.4%	0.0%	0.0%	0.3%	0.3%			
<b>U.S. Total Petroleum and Other Liquid Fuel Net Imports</b>																			
Current	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%
Previous	4.29	4.21	3.86	2.73	3.05	2.75	2.59	1.64	1.93	1.93	1.73	0.78	4.79	3.77	2.50	1.59	-21.4%	-33.6%	-36.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%	-25.1%	-22.4%	-21.6%	-18.2%	-22.9%	0.0%	0.0%	-2.8%	-21.0%			
<b>U.S. Consumption (million barrels per day)</b>																			
<b>U.S. Gasoline</b>																			
Current	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%
Previous	8.94	9.54	9.58	9.24	9.01	9.51	9.51	9.23	8.97	9.53	9.52	9.26	9.32	9.33	9.32	9.32	0.1%	-0.1%	0.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.2%	0.6%	0.1%	0.2%	0.4%	0.0%	0.0%	0.2%	0.3%			
<b>U.S. Distillate</b>																			
Current	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%
Previous	3.93	3.89	3.85	4.05	4.18	4.13	4.00	4.17	4.19	4.09	4.13	4.24	3.88	3.93	4.12	4.16	1.4%	4.8%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	-0.7%	-0.1%	0.5%	-0.2%	-0.5%	0.0%	0.0%	0.1%	-0.1%			
<b>U.S. Jet Fuel</b>																			
Current	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%
Previous	1.60	1.69	1.71	1.73	1.64	1.73	1.78	1.77	1.71	1.78	1.83	1.80	1.61	1.68	1.73	1.78	4.2%	2.9%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	-1.3%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	-0.3%	0.1%			
<b>U.S. Hydrocarbon Gas Liquids</b>																			
Current	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%
Previous	2.82	2.48	2.40	2.88	3.22	2.67	2.70	3.09	3.19	2.76	2.91	3.28	2.54	2.64	2.92	3.04	4.2%	10.4%	4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	0.3%	0.2%	0.2%	0.6%	0.7%	0.0%	0.0%	1.1%	0.4%			
<b>U.S. Total Petroleum and Other Liquid Fuels</b>																			
Current	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%
Previous	19.54	20.07	20.01	20.21	20.24	20.33	20.51	20.57	20.32	20.49	20.89	20.87	19.69	19.96	20.41	20.64	1.4%	2.3%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	-0.1%	0.3%	0.2%	0.3%	0.2%	0.0%	0.0%	0.3%	0.2%			
<b>U.S. Closing Stocks (million barrels)</b>																			
<b>U.S. Crude Oil</b>																			
Current	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%
Previous	538.6	501.6	469.6	421.6	423.4	414.8	404.5	411.5	463.3	466.8	460.4	469.0	484.6	421.6	411.5	469.0	-13.0%	-2.4%	14.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	2.2%	1.4%	1.0%	0.7%	0.6%	0.0%	0.0%	2.2%	0.6%			
<b>U.S. Total Gasoline</b>																			
Current	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%
Previous	239.6	238.4	223.2	236.8	239.6	240.3	235.0	240.5	242.8	239.3	234.0	246.7	238.6	236.8	240.5	246.7	-0.7%	1.6%	2.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	-0.3%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.0%			
<b>U.S. Distillate Fuel Oil</b>																			
Current	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%
Previous	152.0	152.1	137.3	145.6	130.4	120.4	136.0	139.3	128.8	130.8	135.4	140.3	166.1	145.6	139.3	140.3	-12.3%	-4.3%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-1.6%	-1.0%	-0.7%	-0.5%	-0.6%	0.0%	0.0%	-1.6%	-0.6%			

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: November 6, 2018; Previous Forecast: October 10, 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
<b>U.S. Supply (billion cubic feet per day)</b>																			
<b>U.S. Total Marketed Production</b>																			
Current	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%
Previous	77.02	78.62	80.33	83.92	84.93	87.41	90.81	92.49	93.58	94.21	94.86	95.87	77.60	79.99	88.94	94.64	3.1%	11.2%	6.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	2.0%	2.4%	2.5%	2.1%	1.6%	0.0%	0.0%	0.7%	2.1%			
<b>U.S. Federal GOM Marketed Production</b>																			
Current	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%
Previous	3.24	3.00	2.90	2.49	2.57	2.49	2.74	2.65	2.70	2.65	2.56	2.58	3.28	2.90	2.61	2.62	-11.4%	-10.1%	0.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	5.9%	10.3%	11.2%	13.5%	15.7%	17.3%	0.0%	0.0%	4.2%	14.4%			
<b>U.S. Lower 48 ex GOM Marketed Production</b>																			
Current	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%
Previous	72.78	74.65	76.61	80.45	81.37	84.00	87.19	88.90	89.89	90.69	91.51	92.34	73.41	76.14	85.39	91.11	3.7%	12.1%	6.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.8%	2.1%	2.2%	1.8%	1.1%	0.0%	0.0%	0.6%	1.8%			
<b>U.S. Pipeline Gross Imports</b>																			
Current	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%
Previous	8.9	7.8	7.7	8.1	8.8	7.6	7.4	7.4	7.4	5.8	5.5	6.1	8.0	8.1	7.8	6.2	1.9%	-4.1%	-20.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	2.1%	1.1%	16.6%	16.4%	16.2%	16.2%	0.0%	0.0%	0.8%	16.4%			
<b>U.S. LNG Gross Imports</b>																			
Current	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%
Previous	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%	-11.0%	14.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%			
<b>U.S. Gross Exports</b>																			
Current	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%
Previous	8.87	8.29	8.10	9.45	9.66	8.94	10.08	11.71	13.77	13.09	13.99	15.37	6.38	8.68	10.10	14.06	36.0%	16.4%	39.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.3%	-1.8%	-3.4%	-3.9%	-3.9%	0.0%	0.0%	-0.2%	-3.3%			
<b>U.S. Consumption (billion cubic feet per day)</b>																			
<b>U.S. Residential</b>																			
Current	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%
Previous	22.11	6.62	3.54	16.24	25.75	7.97	3.46	16.05	25.35	7.56	3.73	16.08	11.88	12.09	13.25	13.13	1.8%	9.6%	-0.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-4.4%	0.0%	0.4%	-1.3%	-1.1%	1.0%	0.0%	0.0%	-0.3%	0.2%			
<b>U.S. Commercial</b>																			
Current	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%
Previous	13.45	5.81	4.52	10.97	15.35	6.61	4.40	9.89	15.07	6.48	4.75	10.04	8.50	8.67	9.03	9.06	2.0%	4.2%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	1.0%	1.4%	1.2%	-2.6%	2.2%	0.0%	0.0%	0.3%	1.0%			
<b>U.S. Industrial</b>																			
Current	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%
Previous	23.13	20.61	20.41	22.98	24.27	21.78	20.89	23.28	23.84	21.50	20.90	23.77	21.12	21.78	22.55	22.50	3.1%	3.5%	-0.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.6%	0.8%	0.8%	0.8%	0.8%	0.0%	0.0%	0.3%	0.8%			
<b>U.S. Electric Power Sector</b>																			
Current	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%
Previous	20.95	24.00	32.28	24.03	24.53	27.62	36.83	25.80	24.81	27.35	34.74	25.87	27.28	25.34	28.72	28.21	-7.1%	13.3%	-1.8%
Percent Change	0.8%	-0.3%	-0.2%	0.6%	1.5%	0.0%	1.9%	2.3%	3.4%	0.5%	4.8%	3.2%	0.0%	0.2%	1.4%	3.1%			
<b>U.S. Total Consumption</b>																			
Current	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%
Previous	86.21	63.04	66.96	81.02	97.15	70.66	72.49	82.27	96.82	70.06	71.47	83.55	74.98	74.27	80.58	80.42	-0.9%	8.5%	-0.2%
Percent Change	0.2%	-0.1%	-0.1%	0.2%	0.4%	0.0%	1.1%	1.2%	1.6%	0.6%	2.6%	1.8%	0.0%	0.1%	0.7%	1.7%			
<b>U.S. Working Gas in Storage (billion cubic feet)</b>																			
Current	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%
Previous	2,063	2,907	3,567	3,033	1,392	2,195	2,932	2,800	1,374	2,321	3,030	2,671	3,297	3,033	2,800	2,671	-8.0%	-7.7%	-4.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	-3.5%	5.4%	8.9%	9.9%	14.6%	0.0%	0.0%	-3.5%	14.6%			
<b>U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)</b>																			
Current	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			
Previous	0.00	-1.25	-0.92	-2.24	0.07	-0.67	-1.51	-1.11	0.01	0.00	-0.57	-0.34	-0.59	-1.11	-0.81	-0.23			

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

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

Current Forecast: November 6, 2018; Previous Forecast: October 10, 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
<b>U.S. Electricity Generation, All Sectors (thousand megawatthours per day)</b>																			
<b>U.S. Total Generation</b>																			
Current	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%
Previous	10,579	10,690	12,151	10,566	11,107	11,126	12,778	10,568	11,053	10,794	12,331	10,625	11,138	10,999	11,397	11,203	-1.2%	3.6%	-1.7%
Percent Change	-0.1%	0.2%	0.6%	1.2%	0.2%	0.1%	0.2%	2.2%	0.1%	-0.2%	1.1%	-0.2%	0.0%	0.5%	0.7%	0.2%			
<b>U.S. Coal</b>																			
Current	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%
Previous	3,242	3,100	3,762	3,128	3,127	2,862	3,757	2,932	3,201	2,603	3,385	2,814	3,386	3,309	3,171	3,001	-2.3%	-4.2%	-5.4%
Percent Change	-0.1%	-0.2%	-0.2%	-0.2%	0.0%	-0.1%	-4.5%	5.5%	-2.5%	-1.0%	-2.0%	-3.7%	0.0%	-0.2%	-0.1%	-2.3%			
<b>U.S. Natural gas</b>																			
Current	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%
Previous	2,969	3,286	4,359	3,322	3,442	3,798	4,987	3,616	3,514	3,787	4,734	3,652	3,766	3,487	3,964	3,925	-7.4%	13.7%	-1.0%
Percent Change	2.2%	1.6%	1.3%	2.5%	0.4%	0.2%	2.9%	2.3%	2.4%	-0.1%	4.0%	2.5%	0.0%	1.9%	1.6%	2.3%			
<b>U.S. Petroleum</b>																			
Current	59	55	56	64	102	53	62	57	75	57	64	55	66	59	68	63	-11.4%	16.7%	-8.2%
Previous	59	54	56	62	101	52	63	56	75	58	64	56	66	58	68	63	-12.6%	17.4%	-6.7%
Percent Change	-0.8%	1.1%	0.8%	4.3%	1.8%	1.8%	-2.4%	2.0%	-0.3%	-1.7%	0.4%	-1.4%	0.0%	1.4%	0.8%	-0.7%			
<b>U.S. Nuclear</b>																			
Current	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%
Previous	2,242	2,034	2,302	2,243	2,294	2,155	2,281	2,138	2,240	2,097	2,272	2,135	2,201	2,205	2,217	2,186	0.2%	0.5%	-1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%			
<b>U.S. Conventional Hydroelectric</b>																			
Current	886	1,011	733	665	856	944	680	627	754	887	751	639	732	823	776	757	12.5%	-5.7%	-2.4%
Previous	918	1,010	717	647	854	938	659	611	743	870	739	644	732	822	765	749	12.3%	-7.0%	-2.1%
Percent Change	-3.5%	0.1%	2.2%	2.8%	0.2%	0.6%	3.2%	2.5%	1.4%	1.9%	1.6%	-0.8%	0.0%	0.1%	1.5%	1.1%			
<b>U.S. Other Renewables</b>																			
Current	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%
Previous	1,090	1,147	898	1,110	1,230	1,265	972	1,155	1,221	1,321	1,078	1,265	933	1,061	1,155	1,221	13.7%	8.8%	5.7%
Percent Change	-3.7%	-1.9%	1.4%	3.4%	0.6%	0.3%	4.8%	-0.3%	-0.3%	-0.2%	0.0%	0.2%	0.0%	-0.2%	1.2%	-0.1%			
<b>U.S. Electricity Sales (million kilowatthours per day)</b>																			
<b>U.S. Residential</b>																			
Current	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%
Previous	3,712	3,428	4,458	3,507	4,093	3,604	4,732	3,589	4,083	3,415	4,500	3,556	3,855	3,778	4,005	3,889	-2.0%	6.0%	-2.9%
Percent Change	-0.2%	-0.1%	0.1%	0.2%	0.2%	0.0%	-0.2%	0.8%	0.6%	0.1%	0.6%	-1.0%	0.0%	0.0%	0.2%	0.1%			
<b>U.S. Commercial</b>																			
Current	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%
Previous	3,513	3,637	4,079	3,551	3,592	3,698	4,178	3,568	3,601	3,652	4,102	3,572	3,735	3,696	3,760	3,733	-1.0%	1.7%	-0.7%
Percent Change	0.1%	0.5%	0.4%	0.3%	0.4%	0.2%	0.8%	-0.3%	0.3%	0.2%	1.1%	-1.1%	0.0%	0.3%	0.3%	0.2%			
<b>U.S. Industrial</b>																			
Current	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	2,631.37	2,653	1.1%	-2.4%	0.8%
Previous	2,504	2,619	2,722	2,526	2,497	2,619	2,727	2,534	2,530	2,658	2,761	2,550	2,669	2,593	2,595	2,625	-2.8%	0.1%	1.2%
Percent Change	3.8%	3.8%	4.0%	4.4%	0.0%	0.0%	2.8%	2.8%	-0.4%	-0.4%	2.4%	2.6%	0.0%	4.0%	1.4%	1.1%			
<b>U.S. Total</b>																			
Current	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%
Previous	9,750	9,704	11,280	9,605	10,205	9,941	11,656	9,710	10,235	9,745	11,384	9,698	10,280	10,088	10,380	10,267	-1.9%	2.9%	-1.1%
Percent Change	0.9%	1.2%	1.2%	1.3%	0.2%	0.1%	0.9%	0.9%	0.2%	0.0%	1.2%	-0.1%	0.0%	1.1%	0.5%	0.4%			

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

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

Current Forecast: November 6, 2018; Previous Forecast: October 10, 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
<b>U.S. Coal (million short tons)</b>																			
<b>U.S. Production</b>																			
Current	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	774.1	756	729	6.3%	-2.3%	-3.7%
Previous	197.0	187.1	196.2	193.8	187.6	180.8	196.3	190.9	192.3	159.7	200.5	190.5	728	774	756	743	6.3%	-2.4%	-1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.7%	-1.7%	-0.7%	-1.8%	-3.2%	0.0%	0.0%	0.1%	-1.9%			
<b>U.S. Exports</b>																			
Current	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%
Previous	22.3	21.8	24.6	28.2	27.2	30.9	26.7	23.5	25.0	24.5	25.4	25.6	60.3	97.0	108.3	100.4	60.9%	11.7%	-7.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%	2.1%	1.8%	0.4%	-0.7%	-1.3%	0.0%	0.0%	1.9%	0.0%			
<b>U.S. Imports</b>																			
Current	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%
Previous	1.9	2.2	2.3	1.4	1.4	1.5	2.2	2.2	0.9	1.8	2.5	2.2	9.8	7.8	7.3	7.5	-21.0%	-5.6%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-17.4%	-10.3%	-7.7%	-1.3%	-0.3%	-0.1%	0.0%	0.0%	-8.3%	-1.4%			
<b>U.S. Electric Power Demand</b>																			
Current	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%
Previous	160.3	154.2	190.6	159.6	155.0	144.4	190.7	150.0	157.9	130.3	171.9	143.9	679	665	640	604	-2.0%	-3.7%	-5.7%
Percent Change	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-4.3%	5.1%	-2.5%	-1.0%	-1.8%	-3.7%	0.0%	0.0%	-0.2%	-2.3%			
<b>U.S. Secondary Stocks</b>																			
Current	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%
Previous	166.6	163.0	144.8	142.4	131.1	126.2	106.7	114.7	113.7	112.1	108.4	116.9	167.7	142.4	114.7	116.9	-15.1%	-19.5%	1.9%
Percent Change	0.1%	0.2%	0.2%	0.4%	0.0%	0.0%	-1.4%	-1.4%	-1.4%	-1.4%	-1.4%	-1.5%	0.0%	0.4%	-1.4%	-1.5%			
<b>U.S. Carbon Dioxide Emissions</b>																			
<b>Petroleum</b>																			
Current	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%
Previous	565.3	587.7	594.3	596.1	580.6	594.6	602.1	598.7	580.7	592.6	608.0	603.6	2,327	2,343	2,376	2,385	0.7%	1.4%	0.4%
Percent Change	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%	0.2%	0.4%	0.2%	0.2%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.1%			
<b>Coal</b>																			
Current	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%
Previous	319.2	307.2	374.5	317.4	308.5	288.0	374.0	302.9	315.3	260.8	339.9	292.9	1354.2	1318.3	1273.4	1208.8	-2.6%	-3.4%	-5.1%
Percent Change	0.1%	0.0%	0.0%	0.0%	-0.1%	0.3%	-3.7%	5.9%	-2.2%	0.0%	-1.4%	-2.5%	0.0%	0.0%	0.3%	-1.6%			
<b>Natural Gas</b>																			
Current	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%
Previous	422.5	311.4	334.6	405.2	477.0	350.1	361.1	411.3	475.4	347.0	357.1	417.7	1496.4	1473.6	1599.5	1597.1	-1.5%	8.5%	-0.1%
Percent Change	0.2%	-0.1%	-0.2%	0.2%	0.2%	-0.2%	1.5%	1.2%	1.4%	0.4%	2.5%	1.9%	-0.2%	0.1%	0.7%	1.5%			
<b>Total Fossil Fuel</b>																			
Current	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%
Previous	1306.9	1206.2	1303.4	1318.7	1366.0	1232.7	1337.2	1312.9	1371.3	1200.4	1305.0	1314.2	5,178	5,135	5,249	5,191	-0.8%	2.2%	-1.1%
Percent Change	0.1%	-0.1%	-0.1%	0.1%	0.0%	0.0%	-0.6%	1.9%	0.1%	0.2%	0.3%	0.0%	-0.1%	0.0%	0.3%	0.2%			

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: November 6, 2018; Previous Forecast: October 10, 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
<b>U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)</b>																			
<b>U.S. Wind Power</b>																			
Current	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%
Previous	0.637	0.628	0.425	0.654	0.720	0.688	0.452	0.665	0.697	0.718	0.516	0.740	2.094	2.345	2.525	2.671	12.0%	7.7%	5.8%
Percent Change	-4.5%	-1.8%	2.9%	4.3%	0.3%	0.2%	8.8%	0.0%	-0.2%	-0.1%	0.3%	0.4%	0.0%	0.0%	1.7%	0.1%			
<b>U.S. Wood Biomass</b>																			
Current	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%
Previous	0.534	0.524	0.543	0.543	0.545	0.542	0.558	0.545	0.534	0.529	0.552	0.547	2.131	2.145	2.189	2.162	0.6%	2.1%	-1.3%
Percent Change	1.4%	1.9%	2.0%	2.4%	1.8%	1.9%	1.1%	0.6%	-0.2%	-0.3%	-0.3%	-0.3%	0.0%	2.0%	1.4%	-0.3%			
<b>U.S. Solar Power</b>																			
Current	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%
Previous	0.138	0.240	0.235	0.161	0.180	0.294	0.288	0.202	0.211	0.326	0.327	0.230	0.569	0.774	0.964	1.094	36.2%	24.5%	13.5%
Percent Change	-1.9%	-1.4%	0.5%	3.1%	1.3%	0.3%	-0.6%	-0.9%	-0.9%	-0.7%	-0.5%	-0.4%	0.0%	0.0%	0.0%	-0.6%			
<b>U.S. Ethanol</b>																			
Current	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%
Previous	0.279	0.304	0.307	0.303	0.283	0.297	0.308	0.302	0.283	0.306	0.308	0.301	1.182	1.192	1.190	1.197	0.9%	-0.2%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.2%	0.5%	0.1%	0.2%	0.5%	0.0%	0.0%	0.3%	0.3%			
<b>U.S. Biodiesel</b>																			
Current	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%
Previous	0.054	0.079	0.078	0.069	0.054	0.068	0.080	0.093	0.066	0.085	0.098	0.101	0.291	0.280	0.295	0.350	-3.6%	5.0%	18.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	0.0%			
<b>U.S. Renewable Electric Power Sector Generation Capacity (MW)</b>																			
<b>Wind Power</b>																			
Current	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%
Previous	82,919	83,378	84,109	87,488	88,537	88,661	89,633	95,661	96,418	97,590	98,834	106,641	81,198	87,488	95,661	106,641	7.7%	9.3%	11.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.2%	0.1%	0.2%	0.4%	0.0%	0.0%	-0.3%	0.4%			
<b>Wood Biomass</b>																			
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	3,042	3,201	3,201	3,201	3,201	3,166	3,079	3,042	3,201	-2.7%	-1.2%	5.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.8%	-1.7%	-1.7%	-1.7%	-1.7%	0.0%	0.0%	-1.8%	-1.7%			
<b>Solar Power</b>																			
Current	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%
Previous	22,591	23,624	24,134	26,432	27,940	28,770	29,360	32,252	32,770	33,181	33,474	35,782	21,631	26,432	32,252	35,782	22.2%	22.0%	10.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	-0.4%	-0.3%	-0.2%	0.4%	0.4%	1.7%	0.0%	0.0%	-0.3%	1.7%			

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