

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

Current Forecast: October 10, 2018; Previous Forecast: September 11, 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	11.03	11.14	11.41	11.66	11.78	12.16	8.83	9.35	10.74	11.76	5.9%	14.8%	9.5%
Previous	9.02	9.11	9.32	9.95	10.23	10.53	10.80	11.06	11.31	11.46	11.45	11.78	8.83	9.35	10.66	11.50	5.9%	14.0%	7.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	2.1%	0.7%	0.9%	1.8%	2.9%	3.3%	0.0%	0.0%	0.8%	2.2%			
U.S. Dry Natural Gas Production (billion cubic feet per day)																			
Current	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%
Previous	71.21	72.01	73.95	76.95	78.46	80.38	82.01	82.92	83.87	84.53	84.84	85.35	72.85	73.55	80.96	84.65	1.0%	10.1%	4.6%
Percent Change	1.1%	2.0%	1.5%	1.9%	0.9%	1.0%	2.9%	3.5%	3.5%	3.3%	3.6%	4.0%	-0.3%	1.7%	2.1%	3.6%			
U.S. Coal Production (million short tons)																			
Current	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%
Previous	197.0	187.1	196.2	193.8	186.8	184.3	196.8	200.2	194.1	162.7	205.1	193.7	728.4	774.1	768.0	755.7	6.3%	-0.8%	-1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.5%	-1.9%	-0.3%	-4.7%	-0.9%	-1.8%	-2.3%	-1.7%	0.0%	0.0%	-1.6%	-1.7%			
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	20.51	20.57	20.32	20.49	20.89	20.87	19.69	19.96	20.41	20.64	1.4%	2.3%	1.1%
Previous	19.54	20.07	20.01	20.21	20.24	20.33	20.55	20.60	20.32	20.53	20.95	20.92	19.69	19.96	20.43	20.68	1.4%	2.4%	1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	-0.2%	-0.3%	-0.2%	0.0%	0.0%	-0.1%	-0.2%			
U.S. Natural Gas Consumption (billion cubic feet per day)																			
Current	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%
Previous	86.15	62.96	66.94	80.90	97.21	70.77	70.43	81.13	96.42	68.86	70.91	82.74	75.10	74.20	79.81	79.67	-1.2%	7.6%	-0.2%
Percent Change	0.1%	0.1%	0.0%	0.2%	-0.1%	-0.1%	2.9%	1.4%	0.4%	1.8%	0.8%	1.0%	-0.2%	0.1%	1.0%	0.9%			
U.S. Electricity Retail Sales (million kilowatthours per day)																			
Current	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%
Previous	9,750	9,704	11,280	9,605	10,205	9,941	11,578	9,673	10,250	9,748	11,452	9,724	10,280	10,088	10,351	10,295	-1.9%	2.6%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.4%	-0.1%	0.0%	-0.6%	-0.3%	0.0%	0.0%	0.3%	-0.3%			
U.S. Total Energy Consumption (quadrillion Btu)																			
Current	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%
Previous	25.06	23.25	24.35	25.08	26.39	23.93	24.59	24.90	25.95	23.35	24.65	25.08	97.58	97.74	99.81	99.03	0.2%	2.1%	-0.8%
Percent Change	0.1%	0.1%	0.1%	0.3%	0.0%	0.6%	0.7%	-0.2%	0.1%	0.2%	-0.1%	0.1%	0.0%	0.1%	0.3%	0.1%			
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	18,515	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%
Previous	17,863	17,995	18,121	18,224	18,324	18,507	18,655	18,811	18,934	19,049	19,149	19,246	17,659	18,051	18,574	19,094	2.2%	2.9%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
U.S. Manufacturing Production Index (index 2012 = 100)																			
Current	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%
Previous	102.0	102.7	102.2	103.6	104.1	104.9	105.6	106.2	107.0	107.9	108.5	109.0	101.1	102.6	105.2	108.1	1.5%	2.5%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%			
U.S. Heating Degree Days																			
Current	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%
Previous	1,858	427	65	1,481	2,130	523	69	1,541	2,108	478	77	1,526	3,879	3,830	4,263	4,189	-1.3%	11.3%	-1.7%
Percent Change	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	-22.8%	-0.2%	0.4%	0.6%	-0.9%	-1.0%	0.0%	0.0%	-0.4%	-0.1%			
U.S. Cooling Degree Days																			
Current	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%
Previous	70	403	839	115	51	475	907	87	40	396	842	91	1,558	1,426	1,520	1,369	-8.4%	6.6%	-10.0%
Percent Change	-0.4%	-0.2%	-0.1%	-0.4%	0.0%	0.0%	7.6%	0.8%	1.5%	0.1%	0.0%	0.2%	0.0%	-0.1%	4.6%	0.1%			

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

STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: October 10, 2018; Previous Forecast: September 11, 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	73.05	71.00	68.34	68.31	70.64	43.33	50.79	68.46	69.56	17.2%	34.8%	1.6%
Previous	51.64	48.15	48.16	55.27	62.90	68.07	69.37	67.69	64.69	65.66	68.31	70.64	43.33	50.79	67.03	67.36	17.2%	32.0%	0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	7.9%	9.8%	4.1%	0.0%	0.0%	0.0%	0.0%	2.1%	3.3%			
Refiner composite crude oil acquisition cost (\$/barrel)																			
Current	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%
Previous	49.90	47.73	48.31	56.73	61.89	66.80	68.40	66.65	63.69	64.68	67.32	69.67	40.69	50.68	66.00	66.37	24.5%	30.2%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.5%	8.0%	9.9%	4.1%	0.0%	0.0%	0.0%	0.0%	2.4%	3.3%			
Brent spot average (\$/barrel)																			
Current	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%
Previous	53.57	49.59	52.09	61.42	66.84	74.53	74.15	75.69	72.69	73.00	74.00	75.00	43.74	54.15	72.84	73.68	23.8%	34.5%	1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	7.1%	5.9%	1.8%	0.0%	0.0%	0.0%	0.0%	2.2%	1.9%			
Gasoline, regular-grade retail including taxes (\$/gallon)																			
Current	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%
Previous	2.33	2.38	2.44	2.51	2.58	2.85	2.84	2.77	2.68	2.87	2.91	2.80	2.15	2.42	2.76	2.82	12.5%	14.3%	2.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	3.8%	3.7%	1.5%	0.2%	0.1%	0.0%	0.0%	1.0%	1.3%			
Diesel, retail including taxes (\$/gallon)																			
Current	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%
Previous	2.57	2.55	2.63	2.87	3.02	3.20	3.23	3.24	3.12	3.12	3.20	3.27	2.31	2.65	3.17	3.18	14.9%	19.6%	0.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	3.2%	3.0%	1.2%	-0.1%	-0.2%	0.0%	0.0%	0.9%	0.9%			
Heating Oil, residential retail including taxes (\$/gallon)																			
Current	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%
Previous	2.47	2.38	2.34	2.65	2.87	2.99	3.08	3.15	3.14	2.99	3.04	3.17	2.10	2.51	2.99	3.12	19.2%	19.4%	4.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	4.5%	3.7%	2.1%	0.4%	0.0%	0.0%	0.0%	2.0%	1.9%			
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	3.15	3.24	3.01	3.05	3.16	2.51	2.99	2.99	3.12	18.8%	0.1%	4.3%
Previous	3.01	3.08	2.95	2.90	3.02	2.85	2.93	3.14	3.23	3.00	3.06	3.20	2.51	2.99	2.99	3.12	18.8%	0.0%	4.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.4%	0.5%	0.0%	-1.0%	0.0%	0.0%	0.1%	-0.1%			
Residential Retail (\$ per thousand cubic feet)																			
Current	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%
Previous	9.73	13.00	17.74	10.19	9.39	11.97	17.05	10.67	9.70	12.20	16.73	10.69	10.04	10.92	10.67	10.82	8.8%	-2.4%	1.4%
Percent Change	-0.6%	-0.4%	-0.5%	-0.7%	-0.1%	-0.1%	2.6%	1.4%	0.7%	0.5%	0.2%	0.7%	0.0%	-0.6%	0.7%	1.1%			
U.S. Electric Utilities Fuel Costs (\$ per million Btu)																			
Coal																			
Current	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%
Previous	2.08	2.12	2.07	2.04	2.06	2.05	2.12	2.12	2.10	2.09	2.10	2.10	2.11	2.08	2.09	2.10	-1.7%	0.8%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%	0.1%	0.4%	0.1%	-0.1%	-0.1%	0.0%	0.0%	-0.3%	0.1%			
Natural Gas																			
Current	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%
Previous	3.69	3.38	3.19	3.38	3.98	3.09	3.09	3.58	3.77	3.21	3.23	3.58	2.87	3.38	3.39	3.42	17.8%	0.2%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	-1.2%	0.2%	-0.1%	-0.2%	-0.9%	0.0%	0.0%	0.8%	-0.3%			
Residual Fuel Oil																			
Current	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%
Previous	11.16	10.60	10.03	11.93	11.47	13.17	13.66	14.02	14.18	14.46	13.86	13.71	8.46	10.97	12.81	14.06	29.6%	16.8%	9.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	-0.7%	4.3%	3.7%	2.0%	0.5%	0.0%	0.0%	0.0%	0.4%	1.8%			
U.S. Residential Retail Electricity (cents per kilowatthour)																			
Current	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%
Previous	12.59	12.99	13.19	12.75	12.57	13.02	13.28	12.94	12.88	13.55	13.62	13.25	12.55	12.90	12.97	13.33	2.8%	0.5%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.4%	0.0%	0.0%	-0.2%	-0.2%	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: October 10, 2018; Previous Forecast: September 11, 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	27.17	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%
Previous	27.17	26.87	27.19	28.34	28.85	29.00	29.42	30.31	30.48	30.75	30.82	31.41	26.51	27.39	29.40	30.87	3.3%	7.3%	5.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.6%	0.6%	0.6%	0.8%	1.2%	1.3%	0.0%	0.0%	0.3%	1.0%			
OPEC (Organization of the Petroleum Exporting Countries) Supply																			
Current	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%
Previous	38.87	39.15	39.74	39.38	39.32	38.88	39.03	38.64	38.93	38.90	38.99	39.00	39.43	39.29	38.96	38.95	-0.4%	-0.8%	0.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.6%	-0.2%	-0.6%	-0.7%	-0.7%	-0.1%	0.0%	0.2%	-0.5%			
Non-OPEC Supply																			
Current	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%
Previous	57.95	57.93	58.39	59.29	59.37	60.28	61.28	61.86	61.71	62.74	63.01	63.30	57.62	58.39	60.70	62.70	1.3%	4.0%	3.3%
Percent Change	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.2%	0.5%	0.5%	0.5%	0.7%	0.8%	0.0%	0.1%	0.2%	0.6%			
Total World Supply																			
Current	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%
Previous	96.81	97.08	98.13	98.68	98.70	99.15	100.30	100.49	100.63	101.64	102.00	102.30	97.05	97.68	99.67	101.65	0.7%	2.0%	2.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.5%	0.2%	0.1%	0.2%	0.3%	0.0%	0.0%	0.2%	0.2%			
World Crude Oil and Liquid Fuels Consumption (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Consumption																			
Current	46.73	46.87	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%
Previous	46.72	46.86	47.46	47.82	47.56	46.92	47.89	48.16	47.80	47.26	48.41	48.56	46.80	47.22	47.64	48.01	0.9%	0.9%	0.8%
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%	-0.1%	-0.2%			
Non-OECD Consumption																			
Current	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%
Previous	50.35	51.69	51.58	51.57	51.63	52.62	52.79	52.79	52.71	53.85	53.84	53.82	50.19	51.30	52.46	53.56	2.2%	2.3%	2.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.1%	-0.1%	0.1%	0.2%	0.0%	0.1%	0.3%	0.1%	-0.1%	0.0%	0.1%	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	12.86	13.36	13.87	14.34	3.9%	3.8%	3.4%
Previous	13.07	13.51	13.08	13.39	13.65	13.84	13.58	13.80	14.15	14.34	14.07	14.28	12.81	13.26	13.72	14.21	3.5%	3.5%	3.6%
Percent Change	0.8%	0.8%	0.8%	0.8%	1.1%	1.1%	1.1%	1.1%	0.9%	0.9%	0.9%	0.9%	0.4%	0.8%	1.1%	0.9%			
Total World Consumption																			
Current	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%
Previous	97.08	98.55	99.05	99.39	99.20	99.54	100.69	100.95	100.51	101.11	102.25	102.38	97.00	98.52	100.10	101.57	1.6%	1.6%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%			
Closing Stocks (million barrels)																			
OECD Commercial Inventory																			
Current	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%
Previous	3,029	3,013	2,960	2,843	2,806	2,810	2,816	2,789	2,814	2,868	2,878	2,861	2,994	2,843	2,789	2,861	-5.0%	-1.9%	2.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.0%	1.2%	1.4%	1.5%	1.9%	0.0%	0.0%	1.0%	1.9%			
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	1.85	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%
Previous	2.19	2.13	1.95	2.10	1.91	1.84	1.40	1.49	1.52	1.36	1.21	1.19	1.15	2.09	1.66	1.32	82.5%	-20.8%	-20.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	-0.7%	-15.2%	-11.6%	-3.3%	2.2%	-0.7%	0.0%	0.0%	-3.3%	-3.8%			
World Oil-Consumption-Weighted GDP Growth (annualized percent change)																			
Current	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			
Previous	3.58	2.88	3.11	3.04	3.35	3.28	3.22	3.19	3.11	3.07	3.06	3.00	2.80	3.15	3.26	3.06			

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: October 10, 2018; Previous Forecast: September 11, 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	11.03	11.14	11.41	11.66	11.78	12.16	8.83	9.35	10.74	11.76	5.9%	14.8%	9.5%
Previous	9.02	9.11	9.32	9.95	10.23	10.53	10.80	11.06	11.31	11.46	11.45	11.78	8.83	9.35	10.66	11.50	5.9%	14.0%	7.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	2.1%	0.7%	0.9%	1.8%	2.9%	3.3%	0.0%	0.0%	0.8%	2.2%			
U.S. Natural Gas Plant Liquids Production																			
Current	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%
Previous	3.57	3.75	3.77	4.03	4.01	4.30	4.45	4.54	4.56	4.71	4.82	4.90	3.51	3.78	4.33	4.75	7.8%	14.4%	9.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	1.9%	1.8%	0.5%	0.8%	1.1%	0.0%	0.0%	0.8%	1.0%			
U.S. Ethanol Production																			
Current	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%
Previous	1.05	1.01	1.03	1.06	1.05	1.04	1.06	1.04	1.03	1.04	1.03	1.04	1.00	1.04	1.05	1.03	3.7%	0.7%	-1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	-0.2%	-0.2%	-0.2%	-0.2%	0.0%	0.0%	0.1%	-0.2%			
U.S. Total Petroleum and Other Liquid Fuel Net Imports																			
Current	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%
Previous	4.29	4.21	3.86	2.73	3.05	2.75	2.79	1.90	2.11	2.20	2.16	1.22	4.79	3.77	2.62	1.92	-21.4%	-30.5%	-26.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.3%	-13.5%	-8.8%	-12.4%	-19.8%	-36.0%	0.0%	0.0%	-4.4%	-17.3%			
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	9.23	8.97	9.53	9.52	9.26	9.32	9.33	9.32	9.32	0.1%	-0.1%	0.1%
Previous	8.94	9.54	9.58	9.24	9.01	9.51	9.50	9.25	9.00	9.54	9.54	9.27	9.32	9.33	9.32	9.34	0.1%	-0.1%	0.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.2%	-0.2%	-0.1%	-0.2%	-0.2%	0.0%	0.0%	0.0%	-0.2%			
U.S. Distillate																			
Current	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%
Previous	3.93	3.89	3.85	4.05	4.18	4.13	4.04	4.20	4.19	4.09	4.14	4.25	3.88	3.93	4.14	4.17	1.4%	5.2%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	-0.6%	0.2%	-0.1%	-0.3%	-0.2%	0.0%	0.0%	-0.4%	-0.1%			
U.S. Jet Fuel																			
Current	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%
Previous	1.60	1.69	1.71	1.73	1.64	1.73	1.80	1.76	1.70	1.78	1.83	1.80	1.61	1.68	1.73	1.78	4.2%	2.9%	2.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	0.5%	0.3%	0.1%	0.0%	0.0%	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	2.70	3.09	3.19	2.76	2.91	3.28	2.54	2.64	2.92	3.04	4.2%	10.4%	4.1%
Previous	2.82	2.48	2.40	2.88	3.22	2.67	2.68	3.09	3.18	2.79	2.94	3.30	2.54	2.64	2.91	3.05	4.2%	10.1%	4.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.1%	0.5%	-1.0%	-1.0%	-0.7%	0.0%	0.0%	0.2%	-0.5%			
U.S. Total Petroleum and Other Liquid Fuels																			
Current	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%
Previous	19.54	20.07	20.01	20.21	20.24	20.33	20.55	20.60	20.32	20.53	20.95	20.92	19.69	19.96	20.43	20.68	1.4%	2.4%	1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	0.0%	-0.2%	-0.3%	-0.2%	0.0%	0.0%	-0.1%	-0.2%			
U.S. Closing Stocks (million barrels)																			
U.S. Crude Oil																			
Current	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%
Previous	538.6	501.6	469.6	421.6	423.4	414.8	406.6	412.9	464.3	467.6	460.9	469.5	484.6	421.6	412.9	469.5	-13.0%	-2.1%	13.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	-0.4%	-0.2%	-0.2%	-0.1%	-0.1%	0.0%	0.0%	-0.4%	-0.1%			
U.S. Total Gasoline																			
Current	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%
Previous	239.6	238.4	223.2	236.8	239.6	240.3	231.8	239.8	242.6	239.3	233.9	246.3	238.6	236.8	239.8	246.3	-0.7%	1.3%	2.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.3%	0.1%	0.0%	0.0%	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	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%
Previous	152.0	152.1	137.3	145.6	130.4	120.4	131.5	135.4	125.2	127.5	132.3	137.4	166.1	145.6	135.4	137.4	-12.3%	-7.0%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	2.9%	2.9%	2.6%	2.3%	2.1%	0.0%	0.0%	2.9%	2.1%			

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: October 10, 2018; Previous Forecast: September 11, 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	87.41	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%
Previous	76.32	77.36	79.30	82.72	84.25	86.57	88.37	89.41	90.48	91.25	91.64	92.24	77.81	78.94	87.17	91.41	1.5%	10.4%	4.9%
Percent Change	0.9%	1.6%	1.3%	1.4%	0.8%	1.0%	2.8%	3.4%	3.4%	3.2%	3.5%	3.9%	-0.3%	1.3%	2.0%	3.5%			
U.S. Federal GOM Marketed Production																			
Current	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%
Previous	3.26	2.99	2.91	2.52	2.57	2.49	2.54	2.59	2.61	2.56	2.48	2.50	3.30	2.92	2.55	2.54	-11.4%	-12.8%	-0.4%
Percent Change	-0.8%	0.1%	-0.3%	-1.4%	-0.2%	-0.1%	7.8%	2.3%	3.2%	3.4%	3.1%	3.3%	-0.5%	-0.6%	2.5%	3.3%			
U.S. Lower 48 ex GOM Marketed Production																			
Current	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%
Previous	72.05	73.40	75.56	79.22	80.68	83.16	85.05	85.89	86.87	87.84	88.39	88.80	73.59	75.08	83.71	87.98	2.0%	11.5%	5.1%
Percent Change	1.0%	1.7%	1.4%	1.6%	0.9%	1.0%	2.5%	3.5%	3.5%	3.2%	3.5%	4.0%	-0.3%	1.4%	2.0%	3.6%			
U.S. Pipeline Gross Imports																			
Current	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%
Previous	8.9	7.8	7.7	8.1	8.8	7.6	7.1	7.6	8.2	7.3	7.3	8.0	8.0	8.1	7.8	7.7	1.9%	-4.5%	-0.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	-2.1%	-9.7%	-19.7%	-25.1%	-23.4%	0.0%	0.0%	0.5%	-19.4%			
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%	-11.0%	14.0%
Previous	0.29	0.18	0.17	0.21	0.33	0.10	0.15	0.26	0.32	0.17	0.17	0.21	0.24	0.21	0.21	0.22	-11.5%	-1.6%	3.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	-30.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.5%	0.0%			
U.S. Gross Exports																			
Current	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%
Previous	8.87	8.29	8.10	9.45	9.66	8.90	9.92	11.28	13.03	12.71	13.79	15.27	6.38	8.68	9.94	13.71	36.0%	14.6%	37.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	1.7%	3.8%	5.7%	3.0%	1.4%	0.7%	0.0%	0.0%	1.6%	2.6%			
U.S. Consumption (billion cubic feet per day)																			
U.S. Residential																			
Current	22.11	6.62	3.54	16.24	25.75	7.97	3.46	16.05	25.35	7.56	3.73	16.08	11.88	12.09	13.25	13.13	1.8%	9.6%	-0.9%
Previous	22.17	6.65	3.55	16.26	25.73	7.97	3.41	15.80	25.30	7.15	3.36	15.47	11.87	12.12	13.17	12.77	2.1%	8.7%	-3.1%
Percent Change	-0.3%	-0.4%	-0.2%	-0.1%	0.1%	0.0%	1.2%	1.6%	0.2%	5.7%	11.2%	4.0%	0.0%	-0.2%	0.6%	2.8%			
U.S. Commercial																			
Current	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%
Previous	13.50	5.83	4.54	11.01	15.34	6.62	4.47	9.93	14.68	6.10	4.50	9.84	8.48	8.70	9.06	8.76	2.5%	4.2%	-3.4%
Percent Change	-0.4%	-0.3%	-0.4%	-0.3%	0.0%	-0.1%	-1.5%	-0.4%	2.7%	6.3%	5.5%	2.1%	0.1%	-0.4%	-0.3%	3.5%			
U.S. Industrial																			
Current	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%
Previous	22.96	20.45	20.32	22.81	24.32	21.81	20.76	23.36	23.91	21.52	20.91	23.83	21.10	21.63	22.56	22.54	2.5%	4.3%	-0.1%
Percent Change	0.7%	0.7%	0.4%	0.8%	-0.2%	-0.1%	0.6%	-0.3%	-0.3%	-0.1%	-0.1%	-0.3%	0.1%	0.7%	0.0%	-0.2%			
U.S. Electric Power Sector																			
Current	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%
Previous	20.95	24.00	32.28	24.03	24.53	27.62	34.89	24.83	24.79	26.93	34.79	25.85	27.28	25.34	27.98	28.11	-7.1%	10.4%	0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.6%	3.9%	0.1%	1.5%	-0.2%	0.1%	0.0%	0.0%	2.6%	0.4%			
U.S. Total Consumption																			
Current	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%
Previous	86.15	62.96	66.94	80.90	97.21	70.77	70.43	81.13	96.42	68.86	70.91	82.74	75.10	74.20	79.81	79.67	-1.2%	7.6%	-0.2%
Percent Change	0.1%	0.1%	0.0%	0.2%	-0.1%	-0.1%	2.9%	1.4%	0.4%	1.8%	0.8%	1.0%	-0.2%	0.1%	1.0%	0.9%			
U.S. Working Gas in Storage (billion cubic feet)																			
Current	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%
Previous	2,063	2,907	3,567	3,033	1,392	2,195	2,977	2,767	1,354	2,309	3,019	2,640	3,297	3,033	2,767	2,640	-8.0%	-8.7%	-4.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.5%	1.2%	1.5%	0.5%	0.4%	1.2%	0.0%	0.0%	1.2%	1.2%			
U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)																			
Current	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			
Previous	0.72	0.19	0.22	-0.85	0.85	0.26	-0.59	-0.79	1.20	-0.08	-0.05	0.13	-0.66	0.07	-0.08	0.30			

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

STEO Current/Previous Forecast Comparisons: U.S. Electricity
Current Forecast: October 10, 2018; Previous Forecast: September 11, 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	10,579	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%
Previous	10,579	10,690	12,151	10,566	11,107	11,126	12,565	10,594	11,070	10,801	12,406	10,660	11,138	10,999	11,350	11,236	-1.2%	3.2%	-1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	-0.3%	-0.1%	-0.1%	-0.6%	-0.3%	0.0%	0.0%	0.4%	-0.3%			
U.S. Coal																			
Current	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%
Previous	3,242	3,100	3,762	3,128	3,127	2,862	3,757	3,099	3,244	2,662	3,478	2,878	3,386	3,309	3,213	3,066	-2.3%	-2.9%	-4.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.4%	-1.3%	-2.2%	-2.7%	-2.2%	0.0%	0.0%	-1.3%	-2.1%			
U.S. Natural gas																			
Current	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%
Previous	2,969	3,286	4,359	3,322	3,442	3,798	4,738	3,496	3,515	3,733	4,742	3,650	3,766	3,487	3,871	3,913	-7.4%	11.0%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%	3.4%	0.0%	1.4%	-0.2%	0.0%	0.0%	0.0%	2.4%	0.3%			
U.S. Petroleum																			
Current	59	54	56	62	101	52	63	56	75	58	64	56	66	58	68	63	-12.6%	17.4%	-6.7%
Previous	59	54	56	62	101	52	64	56	75	58	64	57	66	58	68	63	-12.6%	17.9%	-7.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.7%	-0.2%	0.0%	0.7%	-0.6%	-0.6%	0.0%	0.0%	-0.4%	-0.1%			
U.S. Nuclear																			
Current	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%
Previous	2,242	2,034	2,302	2,243	2,294	2,155	2,298	2,132	2,240	2,097	2,272	2,135	2,201	2,205	2,220	2,186	0.2%	0.6%	-1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%			
U.S. Conventional Hydroelectric																			
Current	918	1,010	717	647	854	938	659	611	743	870	739	644	732	822	765	749	12.3%	-7.0%	-2.1%
Previous	918	1,010	717	647	854	938	647	610	748	895	725	640	732	822	761	752	12.3%	-7.4%	-1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.1%	-0.7%	-2.7%	1.9%	0.7%	0.0%	0.0%	0.4%	-0.4%			
U.S. Other Renewables																			
Current	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%
Previous	1,090	1,147	898	1,110	1,230	1,265	999	1,141	1,188	1,298	1,063	1,241	933	1,061	1,158	1,197	13.7%	9.1%	3.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.7%	1.2%	2.8%	1.7%	1.4%	1.9%	0.0%	0.0%	-0.3%	2.0%			
U.S. Electricity Sales (million kilowatthours per day)																			
U.S. Residential																			
Current	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%
Previous	3,712	3,428	4,458	3,507	4,093	3,604	4,686	3,546	4,089	3,415	4,552	3,564	3,855	3,778	3,983	3,905	-2.0%	5.4%	-1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	1.2%	-0.2%	0.0%	-1.1%	-0.2%	0.0%	0.0%	0.6%	-0.4%			
U.S. Commercial																			
Current	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%
Previous	3,513	3,637	4,079	3,551	3,592	3,698	4,138	3,560	3,602	3,651	4,109	3,575	3,735	3,696	3,748	3,735	-1.0%	1.4%	-0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.2%	0.0%	0.0%	-0.2%	-0.1%	0.0%	0.0%	0.3%	-0.1%			
U.S. Industrial																			
Current	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	2594.62	2,625	-2.8%	0.1%	1.2%
Previous	2,504	2,619	2,722	2,526	2,497	2,619	2,734	2,548	2,537	2,662	2,771	2,565	2,669	2,593	2,600	2,634	-2.8%	0.3%	1.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.5%	-0.3%	-0.2%	-0.4%	-0.6%	0.0%	0.0%	-0.2%	-0.3%			
U.S. Total																			
Current	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%
Previous	9,750	9,704	11,280	9,605	10,205	9,941	11,578	9,673	10,250	9,748	11,452	9,724	10,280	10,088	10,351	10,295	-1.9%	2.6%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.4%	-0.1%	0.0%	-0.6%	-0.3%	0.0%	0.0%	0.3%	-0.3%			

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: October 10, 2018; Previous Forecast: September 11, 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	197.0	187.1	196.2	193.8	187.6	180.8	196.3	190.9	192.3	159.7	200.5	190.5	728	774.1	756	743	6.3%	-2.4%	-1.7%
Previous	197.0	187.1	196.2	193.8	186.8	184.3	196.8	200.2	194.1	162.7	205.1	193.7	728	774	768	756	6.3%	-0.8%	-1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.5%	-1.9%	-0.3%	-4.7%	-0.9%	-1.8%	-2.3%	-1.7%	0.0%	0.0%	-1.6%	-1.7%			
U.S. Exports																			
Current	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%
Previous	22.3	21.8	24.6	28.2	27.2	30.9	24.7	24.3	24.8	24.5	25.5	25.7	60.3	97.0	107.1	100.5	60.9%	10.4%	-6.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.0%	-3.2%	0.6%	-0.1%	-0.5%	-0.5%	0.0%	0.0%	1.1%	-0.1%			
U.S. Imports																			
Current	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%
Previous	1.9	2.2	2.3	1.4	1.4	1.5	2.3	2.3	1.0	1.8	2.5	2.2	9.8	7.8	7.5	7.5	-21.0%	-3.2%	-0.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-6.1%	-2.0%	-1.5%	-0.3%	-0.1%	0.0%	0.0%	0.0%	-2.5%	-0.3%			
U.S. Electric Power Demand																			
Current	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%
Previous	160.3	154.2	190.6	159.6	155.0	144.4	190.6	158.3	159.7	133.0	176.2	146.9	679	665	648	616	-2.0%	-2.5%	-5.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-5.2%	-1.2%	-2.1%	-2.4%	-2.1%	0.0%	0.0%	-1.3%	-1.9%			
U.S. Secondary Stocks																			
Current	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%
Previous	166.6	163.0	144.8	142.4	131.1	126.8	113.8	121.4	119.8	118.0	114.0	121.9	167.7	142.4	121.4	121.9	-15.1%	-14.8%	0.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-6.3%	-5.5%	-5.1%	-5.0%	-4.9%	-4.2%	0.0%	0.0%	-5.5%	-4.2%			
U.S. Carbon Dioxide Emissions																			
Petroleum																			
Current	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%
Previous	565.0	587.7	593.3	592.4	580.6	592.6	601.4	596.2	580.9	593.0	608.2	600.4	2,327	2,338	2,371	2,383	0.5%	1.4%	0.5%
Percent Change	0.1%	0.0%	0.2%	0.6%	0.0%	0.3%	0.1%	0.4%	0.0%	-0.1%	0.0%	0.5%	0.0%	0.2%	0.2%	0.1%			
Coal																			
Current	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%
Previous	319.2	307.2	374.5	317.4	308.5	289.6	374.2	318.6	319.5	268.2	348.5	299.1	1354.2	1318.3	1290.8	1235.4	-2.6%	-2.1%	-4.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	0.0%	-4.9%	-1.3%	-2.8%	-2.5%	-2.1%	0.0%	0.0%	-1.3%	-2.1%			
Natural Gas																			
Current	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%
Previous	422.5	311.4	334.7	405.4	477.0	351.1	352.1	406.4	473.1	340.5	354.5	414.5	1496.4	1473.9	1586.6	1582.6	-1.5%	7.6%	-0.3%
Percent Change	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.3%	2.5%	1.2%	0.5%	1.9%	0.7%	0.8%	0.0%	0.0%	0.8%	0.9%			
Total Fossil Fuel																			
Current	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%
Previous	1306.6	1206.3	1302.5	1315.2	1366.1	1233.4	1327.7	1321.2	1373.5	1201.7	1311.3	1314.0	5,178	5,131	5,248	5,201	-0.9%	2.3%	-0.9%
Percent Change	0.0%	0.0%	0.1%	0.3%	0.0%	-0.1%	0.7%	-0.6%	-0.2%	-0.1%	-0.5%	0.0%	0.0%	0.1%	0.0%	-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: October 10, 2018; Previous Forecast: September 11, 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	0.637	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%
Previous	0.637	0.628	0.425	0.654	0.720	0.688	0.472	0.664	0.688	0.708	0.510	0.733	2.094	2.345	2.543	2.639	12.0%	8.4%	3.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-4.1%	0.2%	1.3%	1.4%	1.2%	1.0%	0.0%	0.0%	-0.7%	1.2%			
U.S. Wood Biomass																			
Current	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%
Previous	0.534	0.524	0.543	0.543	0.545	0.542	0.558	0.547	0.536	0.531	0.554	0.549	2.131	2.145	2.192	2.169	0.6%	2.2%	-1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.4%	-0.4%	-0.4%	-0.3%	-0.3%	0.0%	0.0%	-0.1%	-0.3%			
U.S. Solar Power																			
Current	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%
Previous	0.138	0.240	0.235	0.161	0.180	0.288	0.286	0.189	0.191	0.315	0.318	0.215	0.569	0.774	0.944	1.039	36.2%	21.9%	10.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.6%	6.7%	10.5%	3.5%	2.9%	6.6%	0.0%	0.0%	2.1%	5.2%			
U.S. Ethanol																			
Current	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%
Previous	0.279	0.304	0.307	0.303	0.283	0.297	0.310	0.302	0.283	0.306	0.308	0.302	1.182	1.192	1.192	1.199	0.9%	-0.1%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.1%	-0.2%	-0.2%	-0.2%	-0.2%	0.0%	0.0%	-0.2%	-0.2%			
U.S. Biodiesel																			
Current	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%
Previous	0.053	0.079	0.078	0.069	0.054	0.068	0.086	0.093	0.066	0.085	0.098	0.101	0.291	0.280	0.301	0.350	-3.7%	7.5%	16.3%
Percent Change	0.1%	0.1%	0.1%	0.2%	0.0%	0.0%	-7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-2.2%	0.0%			
U.S. Renewable Electric Power Sector Generation Capacity (MW)																			
Wind Power																			
Current	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%
Previous	82,919	83,378	84,109	87,488	88,505	88,629	90,058	94,476	95,351	96,262	97,866	105,674	81,198	87,488	94,476	105,674	7.7%	8.0%	11.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	1.3%	1.1%	1.4%	1.0%	0.9%	0.0%	0.0%	1.3%	0.9%			
Wood Biomass																			
Current	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%
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%	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	27,940	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%
Previous	22,591	23,624	24,134	26,432	27,940	28,761	29,408	32,079	32,701	33,237	33,677	37,935	21,631	26,432	32,079	37,935	22.2%	21.4%	18.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.5%	0.2%	-0.2%	-0.6%	-5.7%	0.0%	0.0%	0.5%	-5.7%			

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