

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

Current Forecast: November 13, 2019; Previous Forecast: October 8, 2019

	2018				2019				2020				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2020	2017-2018	2018-2019	2019-2020
U.S. Energy Supply																			
U.S. Crude Oil Production (million barrels per day)																			
Current	10.27	10.54	11.25	11.89	11.81	12.10	12.24	13.01	13.23	13.32	13.27	13.35	9.35	10.99	12.29	13.29	17.5%	11.8%	8.1%
Previous	10.27	10.54	11.25	11.89	11.81	12.11	12.24	12.87	13.05	13.15	13.18	13.31	9.35	10.99	12.26	13.17	17.5%	11.6%	7.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	1.0%	1.4%	1.4%	0.7%	0.3%	0.0%	0.0%	0.2%	0.9%			
U.S. Dry Natural Gas Production (billion cubic feet per day)																			
Current	80.18	81.84	84.79	88.30	89.29	90.48	93.02	95.66	94.83	94.91	95.15	94.89	74.81	83.80	92.13	94.95	12.0%	9.9%	3.1%
Previous	79.13	81.17	84.95	88.21	89.42	90.53	92.32	94.21	93.35	93.12	93.52	93.99	74.77	83.39	91.63	93.50	11.5%	9.9%	2.0%
Percent Change	1.3%	0.8%	-0.2%	0.1%	-0.1%	-0.1%	0.8%	1.5%	1.6%	1.9%	1.7%	1.0%	0.1%	0.5%	0.5%	1.6%			
U.S. Coal Production (million short tons)																			
Current	187.6	180.8	194.7	192.4	170.3	173.9	178.9	174.9	172.2	131.7	157.2	146.1	774.6	755.5	697.9	607.1	-2.5%	-7.6%	-13.0%
Previous	187.6	180.8	194.7	192.4	170.3	175.9	174.4	158.8	167.6	133.4	159.6	142.5	774.6	755.5	679.3	603.0	-2.5%	-10.1%	-11.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	2.6%	10.1%	2.8%	-1.3%	-1.5%	2.5%	0.0%	0.0%	2.7%	0.7%			
U.S. Energy Consumption																			
U.S. Petroleum and Other Liquid Fuels Consumption (million barrels per day)																			
Current	20.35	20.36	20.71	20.59	20.29	20.32	20.76	20.94	20.43	20.55	21.00	21.01	19.96	20.50	20.58	20.75	2.7%	0.4%	0.8%
Previous	20.35	20.36	20.71	20.59	20.29	20.32	20.65	20.89	20.46	20.59	21.01	20.95	19.96	20.50	20.54	20.76	2.7%	0.2%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.2%	-0.1%	-0.2%	0.0%	0.3%	0.0%	0.0%	0.2%	0.0%			
U.S. Natural Gas Consumption (billion cubic feet per day)																			
Current	98.31	71.01	74.30	86.59	103.12	70.41	76.33	90.80	102.40	74.00	78.14	91.30	74.37	82.50	85.10	86.45	10.9%	3.2%	1.6%
Previous	97.40	70.49	73.88	85.90	102.49	69.97	75.76	89.00	101.82	72.31	76.30	89.45	74.32	81.86	84.25	84.96	10.2%	2.9%	0.8%
Percent Change	0.9%	0.7%	0.6%	0.8%	0.6%	0.6%	0.8%	2.0%	0.6%	2.3%	2.4%	2.1%	0.1%	0.8%	1.0%	1.8%			
U.S. Electricity Retail Sales (billion kilowatthours)																			
Current	934	920	1,094	912	911	876	1,075	908	921	877	1,054	889	311	322	315	312	3.7%	-2.3%	-0.9%
Previous	921	905	1,079	897	913	879	1,081	887	924	879	1,052	882	311	317	314	312	2.1%	-1.1%	-0.7%
Percent Change	1.5%	1.6%	1.3%	1.7%	-0.2%	-0.3%	-0.6%	2.4%	-0.3%	-0.2%	0.2%	0.8%	0.0%	1.5%	0.3%	0.1%			
U.S. Total Energy Consumption (quadrillion Btu)																			
Current	26.39	23.98	25.12	25.54	26.46	23.39	24.88	25.42	26.31	23.25	24.49	25.07	97.69	101.03	100.15	99.12	3.4%	-0.9%	-1.0%
Previous	26.38	24.01	25.12	25.58	26.50	23.45	24.83	25.06	26.32	23.26	24.53	24.95	97.69	101.09	99.84	99.06	3.5%	-1.2%	-0.8%
Percent Change	0.0%	-0.1%	0.0%	-0.1%	-0.1%	-0.3%	0.2%	1.5%	0.0%	-0.1%	-0.2%	0.5%	0.0%	-0.1%	0.3%	0.1%			
U.S. Macroeconomic and Weather																			
U.S. Real Gross Domestic Product (billion chained 2012 dollars)																			
Current	18,438	18,598	18,733	18,784	18,927	19,022	19,095	19,196	19,289	19,393	19,496	19,588	18,108	18,638	19,060	19,441	2.9%	2.3%	2.0%
Previous	18,438	18,598	18,733	18,784	18,927	19,023	19,121	19,212	19,308	19,421	19,524	19,615	18,108	18,638	19,071	19,467	2.9%	2.3%	2.1%
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%	0.0%	0.0%	-0.1%	-0.1%			
U.S. Manufacturing Production Index (index 2012 = 100)																			
Current	104.8	105.5	106.6	107.0	106.5	105.7	106.1	106.4	107.0	107.3	107.7	108.1	103.2	106.0	106.2	107.5	2.7%	0.2%	1.3%
Previous	104.8	105.5	106.6	107.0	106.5	105.7	105.9	105.1	105.5	105.8	106.3	106.7	103.2	106.0	105.8	106.1	2.7%	-0.1%	0.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	1.1%	1.5%	1.5%	1.4%	1.2%	0.0%	0.0%	0.3%	1.4%			
U.S. Heating Degree Days																			
Current	2,130	522	48	1,578	2,210	481	56	1,542	2,113	476	72	1,521	3,828	4,278	4,289	4,183	11.8%	0.3%	-2.5%
Previous	2,130	522	48	1,578	2,211	480	52	1,524	2,112	477	74	1,487	3,828	4,278	4,267	4,150	11.8%	-0.3%	-2.7%
Percent Change	0.0%	0.0%	-0.3%	0.0%	-0.1%	0.0%	7.9%	1.2%	0.1%	-0.2%	-3.0%	2.3%	0.0%	0.0%	0.5%	0.8%			
U.S. Cooling Degree Days																			
Current	51	477	959	98	46	398	953	118	44	407	859	93	1,428	1,586	1,515	1,402	11.0%	-4.5%	-7.5%
Previous	51	477	958	98	45	398	958	92	43	399	849	93	1,428	1,584	1,493	1,384	10.9%	-5.7%	-7.3%
Percent Change	0.4%	0.2%	0.1%	0.4%	0.4%	0.1%	-0.5%	28.3%	2.5%	1.8%	1.1%	-0.7%	0.0%	0.1%	1.5%	1.2%			

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

STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: November 13, 2019; Previous Forecast: October 8, 2019

	2018				2019				2020				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2020	2017-2018	2018-2019	2019-2020
U.S. Petroleum																			
WTI spot (\$/barrel)																			
Current	62.90	68.07	69.69	59.59	54.82	59.94	56.35	54.62	52.84	51.53	55.47	58.50	50.79	65.06	56.45	54.60	28.1%	-13.2%	-3.3%
Previous	62.90	68.07	69.69	59.59	54.82	59.94	56.35	53.86	52.50	51.19	55.47	58.50	50.79	65.06	56.26	54.43	28.1%	-13.5%	-3.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.6%	0.7%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%			
Refiner composite crude oil acquisition cost (\$/barrel)																			
Current	61.94	67.27	69.08	59.39	56.93	63.55	57.43	54.16	50.90	49.55	53.54	56.57	50.68	64.48	58.02	52.65	27.2%	-10.0%	-9.2%
Previous	61.94	67.27	69.08	59.39	56.93	63.55	57.21	53.32	50.56	49.22	53.54	56.57	50.68	64.48	57.73	52.48	27.2%	-10.5%	-9.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	1.6%	0.7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.5%	0.3%			
Brent spot average (\$/barrel)																			
Current	66.84	74.53	75.02	68.29	63.14	69.07	61.90	60.21	58.34	57.03	60.97	64.00	54.15	71.19	63.59	60.10	31.5%	-10.7%	-5.5%
Previous	66.84	74.53	75.02	68.29	63.14	69.07	61.90	59.36	58.00	56.69	60.97	64.00	54.15	71.19	63.37	59.93	31.5%	-11.0%	-5.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.6%	0.6%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%			
Gasoline, regular-grade retail including taxes (\$/gallon)																			
Current	2.58	2.85	2.84	2.63	2.36	2.79	2.65	2.59	2.53	2.66	2.69	2.58	2.42	2.73	2.60	2.62	12.8%	-4.5%	0.5%
Previous	2.58	2.85	2.84	2.63	2.36	2.79	2.65	2.43	2.47	2.60	2.65	2.56	2.42	2.73	2.56	2.57	12.8%	-6.1%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.8%	2.8%	2.2%	1.6%	1.0%	0.0%	0.0%	1.6%	1.9%			
Diesel, retail including taxes (\$/gallon)																			
Current	3.02	3.20	3.24	3.27	3.02	3.12	3.02	3.06	3.03	2.98	3.04	3.13	2.65	3.18	3.06	3.04	19.9%	-3.9%	-0.5%
Previous	3.02	3.20	3.24	3.27	3.02	3.12	3.02	3.05	3.00	2.96	3.02	3.12	2.65	3.18	3.05	3.03	19.9%	-4.0%	-0.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.8%	0.6%	0.5%	0.4%	0.0%	0.0%	0.1%	0.6%			
Heating Oil, residential retail including taxes (\$/gallon)																			
Current	2.87	2.98	3.25	3.16	3.00	3.05	2.90	3.03	3.08	2.94	2.90	3.08	2.51	3.01	3.01	3.05	20.1%	-0.1%	1.4%
Previous	2.87	2.98	3.25	3.16	3.00	3.05	2.95	3.03	3.01	2.87	2.90	3.07	2.51	3.01	3.01	3.00	20.1%	0.0%	-0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.9%	0.1%	2.6%	2.6%	0.2%	0.3%	0.0%	0.0%	-0.1%	1.6%			
U.S. Natural Gas																			
Henry Hub spot (\$ per million Btu)																			
Current	3.02	2.85	2.93	3.80	2.92	2.56	2.38	2.60	2.73	2.35	2.35	2.52	2.99	3.15	2.61	2.48	5.5%	-17.0%	-4.9%
Previous	3.02	2.85	2.93	3.80	2.92	2.56	2.38	2.43	2.70	2.40	2.42	2.54	2.99	3.15	2.57	2.52	5.5%	-18.4%	-2.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.8%	1.1%	-2.2%	-3.1%	-1.0%	0.0%	0.0%	1.6%	-1.3%			
Residential Retail (\$ per thousand cubic feet)																			
Current	9.36	11.90	17.85	9.95	9.47	12.48	17.89	10.87	9.66	12.26	16.72	10.18	10.86	10.46	10.85	10.66	-3.7%	3.7%	-1.7%
Previous	9.37	11.93	17.93	9.97	9.46	12.45	17.69	10.67	9.46	12.17	16.73	10.29	10.86	10.49	10.75	10.59	-3.5%	2.6%	-1.5%
Percent Change	-0.1%	-0.2%	-0.4%	-0.2%	0.1%	0.2%	1.1%	1.9%	2.1%	0.7%	0.0%	-1.1%	0.0%	-0.2%	0.9%	0.7%			
U.S. Electric Utilities Fuel Costs (\$ per million Btu)																			
Coal																			
Current	2.06	2.06	2.06	2.08	2.08	2.05	2.07	2.09	2.11	2.11	2.09	2.09	2.06	2.06	2.07	2.10	0.2%	0.6%	1.1%
Previous	2.06	2.06	2.06	2.08	2.08	2.05	2.07	2.09	2.10	2.10	2.08	2.09	2.06	2.06	2.07	2.09	0.2%	0.4%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.2%	0.2%	0.3%	0.0%	0.0%	0.1%	0.2%			
Natural Gas																			
Current	3.96	3.09	3.23	4.06	3.71	2.73	2.42	2.79	3.21	2.46	2.33	2.66	3.37	3.54	2.85	2.62	5.0%	-19.4%	-8.1%
Previous	3.96	3.09	3.23	4.05	3.71	2.73	2.44	2.67	3.15	2.56	2.46	2.74	3.37	3.54	2.83	2.70	4.9%	-19.9%	-4.8%
Percent Change	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	-0.8%	4.3%	1.9%	-3.7%	-5.3%	-2.7%	0.0%	0.1%	0.7%	-2.7%			
Residual Fuel Oil																			
Current	11.47	13.02	14.02	14.49	12.22	13.39	12.21	11.76	11.92	12.16	11.66	11.99	11.01	12.95	12.38	11.92	17.5%	-4.4%	-3.7%
Previous	11.47	13.02	14.02	14.49	12.22	13.39	12.26	11.73	11.76	12.12	11.60	11.95	11.01	12.95	12.40	11.85	17.5%	-4.2%	-4.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	0.3%	1.4%	0.4%	0.6%	0.3%	0.0%	0.0%	-0.2%	0.6%			
U.S. Residential Retail Electricity (cents per kilowatthour)																			
Current	12.59	13.03	13.15	12.75	12.66	13.31	13.21	12.76	12.66	13.39	13.39	13.00	12.89	12.89	12.99	13.11	0.0%	0.8%	1.0%
Previous	12.59	13.03	13.15	12.75	12.66	13.31	13.21	12.82	12.65	13.38	13.40	13.05	12.89	12.89	13.00	13.12	0.0%	0.9%	0.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	0.1%	0.1%	-0.1%	-0.4%	0.0%	0.0%	-0.1%	-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: November 13, 2019; Previous Forecast: October 8, 2019

	2018				2019				2020				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2020	2017-2018	2018-2019	2019-2020
World Crude Oil and Liquid Fuels Supply (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Supply																			
Current	29.20	29.35	30.50	31.41	31.02	31.25	31.47	33.17	33.56	33.85	33.78	34.19	27.65	30.12	31.73	33.85	8.9%	5.4%	6.7%
Previous	29.20	29.35	30.50	31.41	31.03	31.20	31.56	32.97	33.17	33.47	33.56	34.11	27.65	30.12	31.70	33.58	8.9%	5.2%	5.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.3%	0.6%	1.2%	1.1%	0.7%	0.2%	0.0%	0.0%	0.1%	0.8%			
OPEC (Organization of the Petroleum Exporting Countries) Supply																			
Current	37.46	37.07	37.38	37.36	36.05	35.48	34.56	34.83	34.53	34.55	34.72	34.45	37.37	37.32	35.22	34.56	-0.1%	-5.6%	-1.9%
Previous	37.46	37.07	37.34	37.29	35.83	35.47	34.67	34.90	34.63	34.65	34.82	34.55	37.37	37.29	35.22	34.66	-0.2%	-5.6%	-1.6%
Percent Change	0.0%	0.0%	0.1%	0.2%	0.6%	0.0%	-0.3%	-0.2%	-0.3%	-0.3%	-0.3%	-0.3%	0.0%	0.1%	0.0%	-0.3%			
Non-OPEC Supply																			
Current	61.94	62.81	64.17	65.10	64.42	64.97	65.90	67.27	66.95	68.19	68.47	68.45	60.75	63.52	65.65	68.02	4.6%	3.4%	3.6%
Previous	61.94	62.81	64.17	65.12	64.43	64.92	65.88	67.09	66.62	67.88	68.16	68.44	60.75	63.52	65.59	67.78	4.6%	3.3%	3.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%	0.5%	0.5%	0.4%	0.0%	0.0%	0.0%	0.1%	0.3%			
Total World Supply																			
Current	99.40	99.88	101.55	102.47	100.47	100.45	100.46	102.10	101.48	102.73	103.19	102.90	98.11	100.83	100.87	102.58	2.8%	0.0%	1.7%
Previous	99.40	99.88	101.52	102.40	100.26	100.40	100.55	101.99	101.26	102.53	102.98	102.99	98.11	100.81	100.80	102.44	2.7%	0.0%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.1%	0.2%	0.0%	-0.1%	0.1%	0.2%	0.2%	0.2%	-0.1%	0.0%	0.0%	0.1%	0.1%			
World Crude Oil and Liquid Fuels Consumption (million barrels per day)																			
OECD (Organization for Economic Cooperation and Development) Consumption																			
Current	47.79	47.06	48.05	47.57	47.24	46.62	47.85	48.10	47.45	46.83	48.01	48.19	47.42	47.62	47.45	47.62	0.4%	-0.3%	0.3%
Previous	47.73	47.03	48.00	47.52	47.19	46.78	47.64	47.94	47.45	46.84	47.99	48.11	47.35	47.57	47.39	47.60	0.5%	-0.4%	0.4%
Percent Change	0.1%	0.0%	0.1%	0.1%	0.1%	-0.4%	0.5%	0.3%	0.0%	0.0%	0.0%	0.2%	0.2%	0.1%	0.1%	0.0%			
Non-OECD Consumption																			
Current	51.70	52.77	52.68	52.96	52.69	53.57	53.75	53.77	53.81	54.84	54.85	55.11	51.40	52.53	53.45	54.65	2.2%	1.7%	2.3%
Previous	51.56	52.60	52.57	52.91	52.64	53.52	53.76	53.77	53.68	54.71	54.72	54.96	51.24	52.41	53.43	54.52	2.3%	1.9%	2.1%
Percent Change	0.3%	0.3%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	0.2%	0.2%	0.2%	0.3%	0.3%	0.2%	0.0%	0.2%			
China Consumption																			
Current	13.95	14.15	13.88	14.10	14.38	14.68	14.40	14.62	14.96	15.16	14.87	15.10	13.57	14.02	14.52	15.02	3.3%	3.6%	3.5%
Previous	13.80	14.00	13.73	13.95	14.28	14.57	14.30	14.51	14.83	15.03	14.74	14.97	13.36	13.87	14.42	14.89	3.8%	3.9%	3.3%
Percent Change	1.1%	1.1%	1.1%	1.1%	0.7%	0.7%	0.7%	0.7%	0.9%	0.9%	0.9%	0.9%	1.5%	1.1%	0.7%	0.9%			
Total World Consumption																			
Current	99.50	99.83	100.73	100.53	99.92	100.19	101.61	101.87	101.26	101.66	102.86	103.30	98.83	100.15	100.90	102.27	1.3%	0.8%	1.4%
Previous	99.28	99.64	100.57	100.42	99.82	100.30	101.40	101.71	101.13	101.56	102.71	103.07	98.59	99.98	100.82	102.12	1.4%	0.8%	1.3%
Percent Change	0.2%	0.2%	0.2%	0.1%	0.1%	-0.1%	0.2%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.1%	0.1%			
Closing Stocks (million barrels)																			
OECD Commercial Inventory																			
Current	2,797	2,794	2,847	2,855	2,860	2,920	2,908	2,900	2,907	2,967	2,987	2,959	2,845	2,855	2,900	2,959	0.3%	1.6%	2.0%
Previous	2,807	2,807	2,858	2,863	2,863	2,908	2,882	2,878	2,880	2,937	2,954	2,937	2,844	2,863	2,878	2,937	0.7%	0.5%	2.1%
Percent Change	-0.4%	-0.5%	-0.4%	-0.3%	-0.1%	0.4%	0.9%	0.8%	0.9%	1.0%	1.1%	0.8%	0.0%	-0.3%	0.8%	0.8%			
OPEC Surplus Production Capacity and World Macroeconomic																			
OPEC Surplus Crude Oil Production Capacity (million barrels per day)																			
Current	1.86	1.78	1.34	1.00	2.08	2.19	1.95	1.65	2.19	2.12	1.95	2.19	2.03	1.49	1.97	2.11	-26.7%	32.0%	7.3%
Previous	1.86	1.78	1.34	1.00	2.08	2.18	1.95	1.63	2.09	2.02	1.85	2.09	2.03	1.49	1.96	2.01	-26.7%	31.4%	2.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	1.0%	4.8%	5.0%	5.4%	4.8%	0.0%	0.0%	0.4%	5.0%			
World Oil-Consumption-Weighted GDP Growth (annualized percent change)																			
Current	3.32	3.23	2.90	2.60	2.18	1.97	1.85	1.92	1.46	2.55	2.71	2.87	3.21	3.01	1.98	2.40			
Previous	3.33	3.24	2.91	2.59	2.19	1.96	1.87	1.98	1.50	2.58	2.71	2.88	3.20	3.01	2.00	2.42			

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 13, 2019; Previous Forecast: October 8, 2019

	2018				2019				2020				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2020	2017-2018	2018-2019	2019-2020
U.S. Supply (million barrels per day)																			
U.S. Crude Oil Production																			
Current	10.27	10.54	11.25	11.89	11.81	12.10	12.24	13.01	13.23	13.32	13.27	13.35	9.35	10.99	12.29	13.29	17.5%	11.8%	8.1%
Previous	10.27	10.54	11.25	11.89	11.81	12.11	12.24	12.87	13.05	13.15	13.18	13.31	9.35	10.99	12.26	13.17	17.5%	11.6%	7.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	1.0%	1.4%	1.4%	0.7%	0.3%	0.0%	0.0%	0.2%	0.9%			
U.S. Natural Gas Plant Liquids Production																			
Current	4.04	4.33	4.56	4.54	4.66	4.81	4.80	5.29	5.27	5.37	5.50	5.60	3.78	4.37	4.89	5.44	15.5%	11.9%	11.1%
Previous	4.04	4.33	4.56	4.54	4.66	4.81	4.87	5.30	5.24	5.33	5.46	5.58	3.78	4.37	4.91	5.41	15.5%	12.4%	10.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.5%	-0.1%	0.5%	0.7%	0.6%	0.3%	0.0%	0.0%	-0.4%	0.5%			
U.S. Ethanol Production																			
Current	1.05	1.04	1.06	1.04	1.01	1.05	1.02	1.03	1.02	1.04	1.03	1.04	1.04	1.05	1.03	1.03	1.0%	-2.2%	0.6%
Previous	1.05	1.04	1.06	1.04	1.01	1.05	1.02	1.03	1.02	1.04	1.03	1.04	1.04	1.05	1.03	1.03	1.0%	-2.1%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-0.2%	-0.1%	0.3%	0.6%	0.0%	0.0%	-0.1%	0.1%			
U.S. Total Petroleum and Other Liquid Fuel Net Imports																			
Current	3.00	2.66	2.66	1.06	0.89	1.04	0.73	-0.57	-0.85	-0.56	-0.49	-1.11	3.77	2.34	0.52	-0.75	-37.9%	-77.7%	-244.1%
Previous	3.00	2.66	2.66	1.06	0.89	1.04	0.60	-0.39	-0.65	-0.32	-0.38	-1.11	3.77	2.34	0.53	-0.62	-37.9%	-77.3%	-215.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	21.5%	44.4%	31.0%	72.3%	28.9%	-0.1%	0.0%	0.0%	-2.1%	22.0%			
U.S. Consumption (million barrels per day)																			
U.S. Gasoline																			
Current	9.02	9.51	9.53	9.25	8.96	9.48	9.55	9.31	8.95	9.47	9.50	9.32	9.33	9.33	9.33	9.31	0.0%	0.0%	-0.2%
Previous	9.02	9.51	9.53	9.25	8.96	9.48	9.49	9.29	8.97	9.49	9.48	9.27	9.33	9.33	9.30	9.30	0.0%	-0.3%	0.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.3%	-0.2%	-0.2%	0.3%	0.6%	0.0%	0.0%	0.2%	0.1%			
U.S. Distillate																			
Current	4.23	4.10	4.06	4.19	4.28	4.01	3.93	4.19	4.23	4.05	4.07	4.25	3.93	4.15	4.10	4.15	5.4%	-1.1%	1.2%
Previous	4.23	4.10	4.06	4.19	4.28	4.01	3.87	4.20	4.23	4.06	4.08	4.22	3.93	4.15	4.09	4.15	5.4%	-1.4%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	-0.3%	0.1%	-0.3%	-0.2%	0.6%	0.0%	0.0%	0.3%	0.0%			
U.S. Jet Fuel																			
Current	1.62	1.72	1.78	1.70	1.65	1.78	1.79	1.79	1.71	1.79	1.83	1.77	1.68	1.71	1.75	1.77	1.5%	2.6%	1.3%
Previous	1.62	1.72	1.78	1.70	1.65	1.78	1.81	1.77	1.71	1.80	1.83	1.78	1.68	1.71	1.75	1.78	1.5%	2.6%	1.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	1.0%	-0.3%	-0.4%	-0.4%	-0.4%	0.0%	0.0%	0.0%	-0.4%			
U.S. Hydrocarbon Gas Liquids																			
Current	3.26	2.69	2.89	3.19	3.48	2.79	2.98	3.48	3.63	3.12	3.27	3.58	2.64	3.01	3.18	3.40	13.8%	5.9%	6.8%
Previous	3.26	2.69	2.89	3.19	3.48	2.79	2.98	3.48	3.63	3.11	3.27	3.58	2.64	3.01	3.18	3.40	13.8%	5.9%	6.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	-0.1%	0.1%	0.0%	0.0%	0.0%	0.1%			
U.S. Total Petroleum and Other Liquid Fuels																			
Current	20.35	20.36	20.71	20.59	20.29	20.32	20.76	20.94	20.43	20.55	21.00	21.01	19.96	20.50	20.58	20.75	2.7%	0.4%	0.8%
Previous	20.35	20.36	20.71	20.59	20.29	20.32	20.65	20.89	20.46	20.59	21.01	20.95	19.96	20.50	20.54	20.76	2.7%	0.2%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.2%	-0.1%	-0.2%	0.0%	0.3%	0.0%	0.0%	0.2%	0.0%			
U.S. Closing Stocks (million barrels)																			
U.S. Crude Oil																			
Current	424.9	415.2	416.7	442.5	459.3	464.0	424.3	448.1	484.8	482.0	470.2	477.9	421.6	442.5	448.1	477.9	4.9%	1.3%	6.7%
Previous	424.9	415.2	416.7	442.5	459.3	464.0	423.6	444.7	482.5	480.3	468.8	476.7	421.6	442.5	444.7	476.7	4.9%	0.5%	7.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.8%	0.5%	0.3%	0.3%	0.3%	0.0%	0.0%	0.8%	0.3%			
U.S. Total Gasoline																			
Current	239.7	240.7	240.0	246.5	236.1	229.7	229.3	234.3	233.0	228.3	224.0	236.3	236.8	246.5	234.3	236.3	4.1%	-5.0%	0.9%
Previous	239.7	240.7	240.0	246.5	236.1	229.7	229.6	235.7	233.4	228.5	224.0	236.7	236.8	246.5	235.7	236.7	4.1%	-4.4%	0.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.6%	-0.2%	-0.1%	0.0%	-0.2%	0.0%	0.0%	-0.6%	-0.2%			
U.S. Distillate Fuel Oil																			
Current	130.5	120.5	137.2	140.2	132.4	130.8	129.0	133.7	124.4	126.5	131.3	135.6	145.6	140.2	133.7	135.6	-3.8%	-4.6%	1.4%
Previous	130.5	120.5	137.2	140.2	132.4	130.8	131.1	136.4	126.4	128.5	133.4	137.9	145.6	140.2	136.4	137.9	-3.8%	-2.7%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.6%	-1.9%	-1.6%	-1.6%	-1.6%	-1.6%	0.0%	0.0%	-1.9%	-1.6%			

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 13, 2019; Previous Forecast: October 8, 2019

	2018				2019				2020				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2020	2017-2018	2018-2019	2019-2020
U.S. Supply (billion cubic feet per day)																			
U.S. Total Marketed Production																			
Current	86.04	87.82	90.98	94.75	96.05	97.42	99.86	102.76	101.92	102.05	102.37	102.14	80.01	89.93	99.04	102.12	12.4%	10.1%	3.1%
Previous	84.93	87.39	91.50	94.79	96.18	97.47	99.26	101.36	100.49	100.30	100.79	101.35	79.99	89.69	98.58	100.74	12.1%	9.9%	2.2%
Percent Change	1.3%	0.5%	-0.6%	0.0%	-0.1%	0.0%	0.6%	1.4%	1.4%	1.7%	1.6%	0.8%	0.0%	0.3%	0.5%	1.4%			
U.S. Federal GOM Marketed Production																			
Current	2.52	2.45	2.91	2.80	2.80	2.75	2.53	2.75	2.73	2.63	2.48	2.42	2.91	2.67	2.71	2.56	-8.0%	1.3%	-5.3%
Previous	2.57	2.48	2.86	2.77	2.80	2.75	2.56	2.69	2.74	2.66	2.52	2.49	2.90	2.67	2.70	2.60	-8.1%	1.1%	-3.6%
Percent Change	-2.0%	-1.3%	1.9%	1.2%	-0.1%	-0.2%	-1.1%	2.4%	-0.4%	-1.0%	-1.8%	-2.7%	0.0%	0.1%	0.2%	-1.5%			
U.S. Lower 48 ex GOM Marketed Production																			
Current	82.53	84.45	87.21	90.99	92.29	93.74	96.52	99.07	98.19	98.56	99.11	98.77	76.16	86.32	95.43	98.66	13.3%	10.5%	3.4%
Previous	81.37	83.98	87.79	91.05	92.42	93.78	95.83	97.73	96.75	96.79	97.46	97.92	76.14	86.08	94.96	97.23	13.0%	10.3%	2.4%
Percent Change	1.4%	0.6%	-0.7%	-0.1%	-0.1%	0.0%	0.7%	1.4%	1.5%	1.8%	1.7%	0.9%	0.0%	0.3%	0.5%	1.5%			
U.S. Pipeline Gross Imports																			
Current	8.6	7.6	7.4	7.2	8.4	6.7	7.1	7.4	8.0	6.5	6.5	7.3	8.1	7.7	7.4	7.1	-4.8%	-4.1%	-4.2%
Previous	8.6	7.6	7.4	7.2	8.4	6.7	7.1	7.4	8.0	6.5	6.8	7.5	8.1	7.7	7.4	7.2	-5.1%	-4.2%	-2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.5%	0.3%	0.6%	-4.4%	-2.2%	-0.3%	0.0%	0.1%	-1.4%			
U.S. LNG Gross Imports																			
Current	0.33	0.10	0.15	0.26	0.28	0.03	0.09	0.21	0.32	0.10	0.18	0.20	0.21	0.21	0.15	0.20	-2.0%	-26.7%	29.3%
Previous	0.33	0.10	0.15	0.26	0.28	0.03	0.14	0.21	0.32	0.10	0.18	0.20	0.21	0.21	0.17	0.20	-2.0%	-20.5%	19.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-36.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.8%	0.0%			
U.S. Gross Exports																			
Current	9.64	8.93	9.99	10.95	11.87	11.73	12.62	13.11	14.92	13.87	14.67	15.12	8.64	9.88	12.34	14.65	14.4%	24.8%	18.7%
Previous	9.64	8.93	9.99	10.95	11.87	11.70	12.19	12.92	14.82	13.82	14.64	15.11	8.68	9.88	12.17	14.60	13.9%	23.2%	19.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	3.5%	1.5%	0.7%	0.4%	0.2%	0.1%	-0.4%	0.0%	1.3%	0.3%			
U.S. Consumption (billion cubic feet per day)																			
U.S. Residential																			
Current	25.89	8.01	3.46	17.60	27.15	7.34	3.46	18.28	26.87	7.66	3.74	17.01	12.09	13.69	14.00	13.80	13.2%	2.3%	-1.4%
Previous	25.77	7.97	3.44	17.53	27.11	7.34	3.40	17.53	26.77	7.64	3.73	16.67	12.09	13.63	13.79	13.69	12.7%	1.2%	-0.8%
Percent Change	0.5%	0.5%	0.3%	0.4%	0.1%	0.0%	1.6%	4.3%	0.4%	0.2%	0.3%	2.0%	0.0%	0.4%	1.5%	0.9%			
U.S. Commercial																			
Current	15.52	6.68	4.64	11.77	16.19	6.36	4.73	11.66	15.72	6.62	4.87	10.70	8.67	9.63	9.71	9.47	11.1%	0.8%	-2.5%
Previous	15.36	6.60	4.58	11.65	16.06	6.32	4.79	11.31	15.40	6.62	4.89	10.50	8.67	9.52	9.59	9.34	9.9%	0.7%	-2.6%
Percent Change	1.1%	1.2%	1.4%	1.0%	0.8%	0.8%	-1.4%	3.1%	2.1%	0.0%	-0.3%	1.9%	0.0%	1.1%	1.2%	1.3%			
U.S. Industrial																			
Current	24.53	22.06	21.56	23.67	25.12	21.74	21.29	24.16	25.63	22.65	21.91	25.00	21.78	22.95	23.07	23.79	5.4%	0.5%	3.1%
Previous	24.30	21.82	21.30	23.41	24.90	21.53	21.13	23.80	25.39	22.45	21.72	24.80	21.78	22.70	22.84	23.59	4.2%	0.6%	3.3%
Percent Change	1.0%	1.1%	1.3%	1.1%	0.9%	1.0%	0.7%	1.5%	0.9%	0.9%	0.9%	0.8%	0.0%	1.1%	1.0%	0.9%			
U.S. Electric Power Sector																			
Current	24.81	27.52	37.38	26.23	26.84	28.14	39.70	28.84	25.86	29.45	39.80	30.39	25.39	29.01	30.91	31.39	14.3%	6.5%	1.6%
Previous	24.91	27.62	37.78	26.04	26.62	27.79	39.45	28.70	26.32	28.32	38.49	29.62	25.39	29.11	30.67	30.70	14.7%	5.4%	0.1%
Percent Change	-0.4%	-0.3%	-1.1%	0.7%	0.8%	1.3%	0.6%	0.5%	-1.7%	4.0%	3.4%	2.6%	0.0%	-0.3%	0.8%	2.2%			
U.S. Total Consumption																			
Current	98.31	71.01	74.30	86.59	103.12	70.41	76.33	90.80	102.40	74.00	78.14	91.30	74.37	82.50	85.10	86.45	10.9%	3.2%	1.6%
Previous	97.40	70.49	73.88	85.90	102.49	69.97	75.76	89.00	101.82	72.31	76.30	89.45	74.32	81.86	84.25	84.96	10.2%	2.9%	0.8%
Percent Change	0.9%	0.7%	0.6%	0.8%	0.6%	0.6%	0.8%	2.0%	0.6%	2.3%	2.4%	2.1%	0.1%	0.8%	1.0%	1.8%			
U.S. Working Gas in Storage (billion cubic feet)																			
Current	1,390	2,195	2,950	2,708	1,185	2,460	3,397	3,269	1,882	2,977	3,695	3,401	3,033	2,708	3,269	3,401	-10.7%	20.7%	4.1%
Previous	1,390	2,195	2,950	2,708	1,185	2,460	3,415	3,290	1,827	2,913	3,719	3,425	3,033	2,708	3,290	3,425	-10.7%	21.5%	4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.5%	-0.6%	3.0%	2.2%	-0.6%	-0.7%	0.0%	0.0%	-0.6%	-0.7%			
U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)																			
Current	0.28	-0.90	-0.05	-0.98	-0.07	-1.09	-1.19	-0.97	-1.24	-1.83	-1.39	0.62	-0.99	-0.41	-0.84	-0.96			
Previous	0.40	-0.73	-0.63	-1.57	-0.83	-1.59	-1.41	-1.43	-1.24	-1.84	-0.95	-0.50	-0.99	-0.64	-1.32	-1.13			

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

Current Forecast: November 13, 2019; Previous Forecast: October 8, 2019

	2018				2019				2020				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2020	2017-2018	2018-2019	2019-2020
U.S. Electricity Generation, Electric Power Sector (billion kilowatthours)																			
U.S. Total Generation																			
Current	963	971	1,132	945	955	936	1,133	954	955	932	1,100	934	3,877	4,011	3,978	3,922	3.4%	-0.8%	-1.4%
Previous	962	975	1,136	945	955	937	1,131	928	959	935	1,098	926	3,877	4,018	3,950	3,918	3.6%	-1.7%	-0.8%
Percent Change	0.0%	-0.4%	-0.4%	0.0%	0.0%	-0.1%	0.2%	2.9%	-0.4%	-0.3%	0.2%	0.9%	0.0%	-0.2%	0.7%	0.1%			
U.S. Coal																			
Current	280	258	325	275	258	209	284	242	244	187	242	187	1,198	1,139	993	860	-4.9%	-12.8%	-13.4%
Previous	279	258	325	275	258	209	285	215	230	185	242	196	1,198	1,139	967	853	-5.0%	-15.1%	-11.8%
Percent Change	0.2%	0.0%	-0.1%	-0.1%	0.1%	0.0%	-0.4%	12.8%	6.0%	1.2%	0.1%	-4.5%	0.0%	0.0%	2.7%	0.9%			
U.S. Natural gas																			
Current	291	320	440	315	317	331	471	347	312	346	476	364	1,197	1,365	1,466	1,499	14.1%	7.3%	2.2%
Previous	286	322	445	312	316	330	469	335	323	341	471	338	1,197	1,366	1,451	1,473	14.1%	6.3%	1.5%
Percent Change	1.5%	-0.6%	-1.1%	0.8%	0.3%	0.2%	0.3%	3.5%	-3.3%	1.5%	1.0%	7.9%	0.0%	0.0%	1.0%	1.7%			
U.S. Petroleum																			
Current	9.2	4.7	5.4	4.7	4.9	4.2	5.3	4.3	4.6	4.2	5.0	4.5	20.0	23.9	18.6	18.3	19.4%	-22.2%	-1.7%
Previous	8.8	4.5	5.3	4.5	4.8	4.1	5.1	4.4	5.5	4.5	5.1	4.3	20.0	23.1	18.4	19.4	15.5%	-20.6%	5.6%
Percent Change	4.0%	4.9%	1.0%	3.4%	2.9%	1.9%	3.6%	-3.7%	-17.1%	-5.9%	-2.3%	5.0%	0.0%	3.4%	1.3%	-5.7%			
U.S. Nuclear																			
Current	206	196	209	195	203	197	210	198	206	186	204	200	805	807	807	796	0.3%	0.0%	-1.3%
Previous	206	196	209	195	203	197	207	193	203	188	203	191	805	807	800	785	0.3%	-0.9%	-1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	2.2%	1.5%	-1.4%	0.9%	4.8%	0.0%	0.0%	0.9%	1.5%			
U.S. Conventional Hydroelectric																			
Current	76	86	66	64	71	82	65	61	74	79	61	60	299	291	279	275	-2.5%	-4.3%	-1.3%
Previous	77	85	64	64	72	81	64	63	74	81	65	63	299	290	281	282	-2.9%	-3.3%	0.7%
Percent Change	-1.5%	0.4%	3.6%	-0.6%	-0.6%	0.2%	1.1%	-4.1%	0.5%	-2.6%	-4.9%	-4.3%	0.0%	0.4%	-0.7%	-2.7%			
U.S. Other Renewables																			
Current	99	105	84	91	99	111	97	101	112	128	110	116	354	379	408	466	7.0%	7.5%	14.4%
Previous	103	107	86	92	99	114	99	115	122	133	111	133	354	389	427	499	9.7%	9.8%	16.9%
Percent Change	-3.6%	-2.4%	-1.8%	-1.9%	-0.7%	-2.1%	-2.1%	-12.3%	-7.9%	-4.2%	-1.0%	-12.5%	0.0%	-2.5%	-4.5%	-6.6%			
U.S. Electricity Sales (billion kilowatthours)																			
U.S. Residential																			
Current	370	329	436	334	361	309	434	337	369	311	421	326	115	123	120	119	6.5%	-1.9%	-1.0%
Previous	369	328	434	333	362	310	437	330	371	312	420	327	115	122	120	119	6.2%	-1.8%	-0.6%
Percent Change	0.2%	0.4%	0.4%	0.4%	-0.1%	-0.3%	-0.5%	2.0%	-0.4%	-0.3%	0.2%	-0.3%	0.0%	0.3%	0.2%	-0.2%			
U.S. Commercial																			
Current	326	339	388	329	320	328	383	330	324	329	377	325	113	115	114	113	2.1%	-1.4%	-0.5%
Previous	325	337	387	328	322	329	387	328	326	330	379	327	113	115	114	114	1.8%	-0.8%	-0.2%
Percent Change	0.4%	0.4%	0.4%	0.3%	-0.4%	-0.4%	-0.8%	0.9%	-0.5%	-0.3%	-0.5%	-0.7%	0.0%	0.4%	-0.2%	-0.5%			
U.S. Industrial																			
Current	237	250	267	247	228	237	255	239	225	234	254	236	82	84	79.98	79	1.8%	-4.3%	-1.1%
Previous	225	238	256	234	227	238	256	227	225	234	250	226	82	79	79	78	-3.2%	-0.6%	-1.4%
Percent Change	5.3%	5.1%	4.5%	5.5%	0.1%	-0.1%	-0.3%	5.3%	0.2%	0.0%	1.5%	4.4%	0.0%	5.1%	1.2%	1.5%			
U.S. Total																			
Current	934	920	1,094	912	911	876	1,075	908	921	877	1,054	889	311	322	315	312	3.7%	-2.3%	-0.9%
Previous	921	905	1,079	897	913	879	1,081	887	924	879	1,052	882	311	317	314	312	2.1%	-1.1%	-0.7%
Percent Change	1.5%	1.6%	1.3%	1.7%	-0.2%	-0.3%	-0.6%	2.4%	-0.3%	-0.2%	0.2%	0.8%	0.0%	1.5%	0.3%	0.1%			

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 13, 2019; Previous Forecast: October 8, 2019

	2018				2019				2020				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2020	2017-2018	2018-2019	2019-2020
U.S. Coal (million short tons)																			
U.S. Production																			
Current	187.6	180.8	194.7	192.4	170.3	173.9	178.9	174.9	172.2	131.7	157.2	146.1	775	755.5	698	607	-2.5%	-7.6%	-13.0%
Previous	187.6	180.8	194.7	192.4	170.3	175.9	174.4	158.8	167.6	133.4	159.6	142.5	775	756	679	603	-2.5%	-10.1%	-11.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.2%	2.6%	10.1%	2.8%	-1.3%	-1.5%	2.5%	0.0%	0.0%	2.7%	0.7%			
U.S. Exports																			
Current	27.2	30.9	29.1	28.5	25.2	25.3	21.9	20.5	23.9	20.3	19.8	19.4	97.0	115.6	93.0	83.5	19.3%	-19.6%	-10.2%
Previous	27.2	30.9	29.1	28.5	25.2	25.3	20.9	20.5	22.0	18.3	17.8	17.3	97.0	115.6	91.8	75.5	19.3%	-20.6%	-17.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.1%	0.4%	8.8%	11.0%	11.5%	11.9%	0.0%	0.0%	1.2%	10.7%			
U.S. Imports																			
Current	1.4	1.5	1.4	1.6	1.7	1.6	1.5	1.5	1.2	1.3	1.5	1.4	7.8	6.0	6.3	5.4	-23.4%	6.0%	-14.0%
Previous	1.4	1.5	1.4	1.6	1.7	1.6	1.4	1.4	1.2	1.3	1.5	1.4	7.8	6.0	6.1	5.4	-23.4%	3.2%	-12.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.9%	4.7%	2.1%	0.7%	0.2%	0.1%	0.0%	0.0%	2.7%	0.7%			
U.S. Electric Power Demand																			
Current	154.8	144.2	181.6	155.9	145.0	117.7	158.6	136.9	137.2	106.7	138.0	107.1	665	636	558	489	-4.3%	-12.3%	-12.4%
Previous	154.8	144.2	181.6	155.9	145.0	117.7	163.3	119.8	136.2	110.9	143.6	105.3	665	636	546	496	-4.3%	-14.2%	-9.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.9%	14.3%	0.8%	-3.8%	-3.9%	1.7%	0.0%	0.0%	2.3%	-1.4%			
U.S. Secondary Stocks																			
Current	131.2	126.3	105.9	108.1	102.2	122.0	110.7	118.3	119.2	115.9	108.6	116.5	143.0	108.1	118.3	116.5	-24.4%	9.4%	-1.5%
Previous	131.2	126.3	105.9	108.1	102.2	122.0	107.9	115.6	116.3	113.4	106.6	115.0	143.0	108.1	115.6	115.0	-24.4%	6.9%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	2.6%	2.3%	2.5%	2.2%	1.9%	1.3%	0.0%	0.0%	2.3%	1.3%			
U.S. Carbon Dioxide Emissions																			
Petroleum																			
Current	583.0	590.3	600.0	600.4	574.8	586.8	599.8	599.2	578.1	580.5	596.8	600.0	2,329	2,374	2,361	2,355	1.9%	-0.5%	-0.2%
Previous	580.1	590.8	598.7	600.0	574.7	586.8	594.4	595.9	579.0	582.1	589.9	594.5	2,329	2,370	2,352	2,345	1.8%	-0.8%	-0.3%
Percent Change	0.5%	-0.1%	0.2%	0.1%	0.0%	0.0%	0.9%	0.6%	-0.2%	-0.3%	1.2%	0.9%	0.0%	0.2%	0.4%	0.4%			
Coal																			
Current	306.6	287.4	355.3	309.7	289.1	238.5	319.2	280.1	277.7	220.7	276.0	224.0	1316.0	1259.0	1126.9	998.4	-4.3%	-10.5%	-11.4%
Previous	306.5	287.3	355.1	309.6	289.0	239.6	323.7	245.5	272.7	225.7	283.9	218.9	1316.0	1258.5	1097.8	1001.1	-4.4%	-12.8%	-8.8%
Percent Change	0.0%	0.0%	0.1%	0.0%	0.0%	-0.4%	-1.4%	14.1%	1.8%	-2.2%	-2.8%	2.3%	0.0%	0.0%	2.7%	-0.3%			
Natural Gas																			
Current	477.4	348.4	369.2	430.0	502.6	345.9	382.3	450.9	504.6	363.4	388.2	453.4	1473.9	1625.0	1681.7	1709.6	10.2%	3.5%	1.7%
Previous	478.4	349.4	370.3	431.1	503.7	347.1	383.9	446.7	506.0	358.6	382.4	448.9	1473.9	1629.2	1681.4	1695.9	10.5%	3.2%	0.9%
Percent Change	-0.2%	-0.3%	-0.3%	-0.3%	-0.2%	-0.3%	-0.4%	0.9%	-0.3%	1.4%	1.5%	1.0%	0.0%	-0.3%	0.0%	0.8%			
Total Fossil Fuel																			
Current	1367.0	1226.1	1324.4	1340.1	1366.5	1171.3	1301.4	1330.2	1360.4	1164.6	1261.1	1277.4	5,118	5,258	5,169	5,063	2.7%	-1.7%	-2.1%
Previous	1365.1	1227.5	1324.0	1340.8	1367.5	1173.5	1302.0	1288.1	1357.6	1166.3	1256.2	1262.3	5,118	5,257	5,131	5,042	2.7%	-2.4%	-1.7%
Percent Change	0.1%	-0.1%	0.0%	-0.1%	-0.1%	-0.2%	0.0%	3.3%	0.2%	-0.2%	0.4%	1.2%	0.0%	0.0%	0.7%	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: November 13, 2019; Previous Forecast: October 8, 2019

	2018				2019				2020				Year				Growth Rate		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2017	2018	2019	2020	2017-2018	2018-2019	2019-2020
U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)																			
U.S. Wind Power																			
Current	0.720	0.688	0.493	0.630	0.683	0.737	0.584	0.701	0.786	0.832	0.647	0.815	2.341	2.530	2.706	3.079	8.1%	6.9%	13.8%
Previous	0.720	0.688	0.493	0.630	0.683	0.737	0.590	0.715	0.787	0.842	0.657	0.822	2.341	2.530	2.725	3.107	8.1%	7.7%	14.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.0%	-1.9%	-0.2%	-1.3%	-1.5%	-0.8%	0.0%	0.0%	-0.7%	-0.9%			
U.S. Wood Biomass																			
Current	0.587	0.584	0.596	0.590	0.577	0.570	0.562	0.544	0.536	0.537	0.552	0.530	2.285	2.357	2.254	2.156	3.1%	-4.4%	-4.4%
Previous	0.587	0.584	0.596	0.590	0.577	0.570	0.562	0.540	0.540	0.539	0.547	0.532	2.285	2.357	2.249	2.158	3.1%	-4.6%	-4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.7%	-0.7%	-0.4%	0.9%	-0.3%	0.0%	0.0%	0.2%	-0.1%			
U.S. Solar Power																			
Current	0.182	0.292	0.286	0.182	0.200	0.320	0.322	0.212	0.243	0.385	0.405	0.264	0.777	0.942	1.055	1.297	21.3%	12.0%	23.0%
Previous	0.184	0.295	0.289	0.184	0.202	0.323	0.331	0.218	0.245	0.387	0.414	0.272	0.777	0.951	1.075	1.319	22.5%	13.0%	22.6%
Percent Change	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-1.0%	-2.6%	-3.1%	-0.9%	-0.6%	-2.2%	-2.9%	0.0%	-1.0%	-1.9%	-1.6%			
U.S. Ethanol																			
Current	0.283	0.300	0.305	0.301	0.285	0.305	0.302	0.296	0.282	0.302	0.304	0.301	1.192	1.188	1.187	1.190	-0.4%	-0.1%	0.3%
Previous	0.283	0.300	0.305	0.301	0.285	0.305	0.298	0.298	0.283	0.303	0.304	0.300	1.192	1.188	1.185	1.189	-0.4%	-0.3%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	-0.7%	-0.2%	-0.1%	0.3%	0.6%	0.0%	0.0%	0.2%	0.1%			
U.S. Biodiesel																			
Current	0.053	0.071	0.072	0.063	0.058	0.071	0.073	0.085	0.074	0.084	0.076	0.082	0.280	0.260	0.287	0.316	-7.3%	10.4%	10.0%
Previous	0.052	0.070	0.071	0.063	0.058	0.071	0.069	0.085	0.072	0.085	0.078	0.082	0.280	0.256	0.284	0.317	-8.6%	10.8%	11.6%
Percent Change	1.6%	1.4%	1.6%	1.0%	-0.3%	0.0%	4.5%	0.0%	2.4%	-0.8%	-2.6%	-0.4%	0.0%	1.4%	1.1%	-0.4%			
U.S. Renewable Electric Power Sector Generation Capacity (MW)																			
Wind Power																			
Current	88,643	89,092	89,801	94,273	96,442	97,993	100,101	106,433	108,042	109,246	111,134	122,404	87,488	94,273	106,433	122,404	7.8%	12.9%	15.0%
Previous	88,643	89,092	89,801	94,273	96,442	97,993	100,130	106,241	107,845	108,854	110,940	120,972	87,488	94,273	106,241	120,972	7.8%	12.7%	13.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.4%	0.2%	1.2%	0.0%	0.0%	0.2%	1.2%			
Wood Biomass																			
Current	3,039	3,039	3,020	2,965	2,835	2,820	2,731	2,847	2,847	2,847	2,847	2,889	3,079	2,965	2,847	2,889	-3.7%	-4.0%	1.5%
Previous	3,039	3,039	3,020	2,965	2,835	2,820	2,847	2,847	2,847	2,847	2,847	2,889	3,079	2,965	2,847	2,889	-3.7%	-4.0%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Solar Power																			
Current	28,011	28,868	29,399	31,531	32,610	33,069	34,497	37,471	39,090	41,791	43,071	50,044	26,432	31,531	37,471	50,044	19.3%	18.8%	33.6%
Previous	27,997	28,854	29,385	31,510	32,581	33,039	34,494	37,320	38,919	42,556	43,775	49,181	26,432	31,510	37,320	49,181	19.2%	18.4%	31.8%
Percent Change	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.0%	0.4%	0.4%	-1.8%	-1.6%	1.8%	0.0%	0.1%	0.4%	1.8%			

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