

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

Current Forecast: September 10, 2019; Previous Forecast: August 6, 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
<b>U.S. Energy Supply</b>																			
<b>U.S. Crude Oil Production (million barrels per day)</b>																			
Current	10.27	10.54	11.25	11.89	11.81	12.11	12.24	12.78	13.01	13.19	13.30	13.44	9.35	10.99	12.24	13.23	17.5%	11.4%	8.1%
Previous	10.27	10.54	11.25	11.89	11.81	12.09	12.29	12.87	13.00	13.17	13.33	13.53	9.35	10.99	12.27	13.26	17.5%	11.6%	8.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-0.4%	-0.7%	0.1%	0.1%	-0.2%	-0.7%	0.0%	0.0%	-0.2%	-0.2%			
<b>U.S. Dry Natural Gas Production (billion cubic feet per day)</b>																			
Current	79.13	81.17	84.95	88.21	89.42	90.60	91.98	93.52	92.97	92.92	93.54	93.32	74.77	83.39	91.39	93.19	11.5%	9.6%	2.0%
Previous	79.13	81.17	84.95	88.21	89.42	90.07	91.54	93.04	91.97	92.00	92.90	93.13	74.77	83.39	91.03	92.50	11.5%	9.2%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.5%	0.5%	1.1%	1.0%	0.7%	0.2%	0.0%	0.0%	0.4%	0.7%			
<b>U.S. Coal Production (million short tons)</b>																			
Current	187.6	180.8	194.7	192.4	170.3	175.9	167.5	160.3	167.9	130.1	164.9	154.4	774.6	755.5	673.9	617.3	-2.5%	-10.8%	-8.4%
Previous	187.6	180.8	194.7	192.4	170.3	175.6	177.0	165.0	178.1	135.5	169.0	168.3	774.6	755.5	687.9	651.0	-2.5%	-9.0%	-5.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-5.4%	-2.8%	-5.8%	-4.0%	-2.4%	-8.2%	0.0%	0.0%	-2.0%	-5.2%			
<b>U.S. Energy Consumption</b>																			
<b>U.S. Petroleum and Other Liquid Fuels Consumption (million barrels per day)</b>																			
Current	20.24	20.33	20.63	20.60	20.29	20.37	20.72	20.95	20.45	20.67	21.22	21.04	19.96	20.45	20.59	20.85	2.5%	0.7%	1.3%
Previous	20.24	20.33	20.63	20.60	20.29	20.33	20.99	21.03	20.55	20.77	21.28	21.08	19.96	20.45	20.66	20.92	2.5%	1.0%	1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-1.3%	-0.4%	-0.5%	-0.5%	-0.3%	-0.2%	0.0%	0.0%	-0.4%	-0.3%			
<b>U.S. Natural Gas Consumption (billion cubic feet per day)</b>																			
Current	97.60	70.70	74.09	86.12	102.71	70.21	76.08	89.28	102.34	73.64	76.46	88.98	74.32	82.07	84.51	85.34	10.4%	3.0%	1.0%
Previous	97.60	70.70	74.09	86.12	102.71	70.51	76.55	89.07	100.42	73.20	75.33	86.93	74.32	82.07	84.65	83.96	10.4%	3.1%	-0.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.6%	0.2%	1.9%	0.6%	1.5%	2.4%	0.0%	0.0%	-0.2%	1.6%			
<b>U.S. Electricity Retail Sales (billion kilowatthours)</b>																			
Current	921	905	1,079	897	913	879	1,065	885	925	880	1,050	886	311	317	312	312	2.1%	-1.6%	0.0%
Previous	921	905	1,079	897	913	885	1,060	886	925	885	1,049	888	311	317	312	312	2.1%	-1.5%	0.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.5%	-0.1%	0.0%	-0.6%	0.2%	-0.2%	0.0%	0.0%	-0.1%	-0.1%			
<b>U.S. Total Energy Consumption (quadrillion Btu)</b>																			
Current	26.41	24.05	25.16	25.61	26.54	23.44	24.70	25.13	26.34	23.34	24.66	25.12	97.81	101.24	99.81	99.46	3.5%	-1.4%	-0.3%
Previous	26.41	24.05	25.16	25.61	26.54	23.45	24.72	25.20	26.40	23.50	24.69	25.21	97.81	101.24	99.91	99.81	3.5%	-1.3%	-0.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.2%	-0.7%	-0.1%	-0.4%	0.0%	0.0%	-0.1%	-0.3%			
<b>U.S. Macroeconomic and Weather</b>																			
<b>U.S. Real Gross Domestic Product (billion chained 2012 dollars)</b>																			
Current	18,438	18,598	18,733	18,784	18,927	19,024	19,115	19,229	19,346	19,458	19,562	19,660	18,108	18,638	19,074	19,507	2.9%	2.3%	2.3%
Previous	18,324	18,512	18,665	18,765	18,910	19,009	19,093	19,190	19,276	19,362	19,443	19,526	18,051	18,566	19,051	19,402	2.9%	2.6%	1.8%
Percent Change	0.6%	0.5%	0.4%	0.1%	0.1%	0.1%	0.1%	0.2%	0.4%	0.5%	0.6%	0.7%	0.3%	0.4%	0.1%	0.5%			
<b>U.S. Manufacturing Production Index (index 2012 = 100)</b>																			
Current	104.8	105.5	106.6	107.0	106.5	105.7	105.9	105.6	106.0	106.3	106.8	107.3	103.2	106.0	105.9	106.6	2.7%	0.0%	0.7%
Previous	104.8	105.5	106.6	107.0	106.5	105.9	106.1	106.6	107.0	107.1	107.4	107.8	103.2	106.0	106.3	107.3	2.7%	0.3%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-0.9%	-0.9%	-0.7%	-0.6%	-0.5%	0.0%	0.0%	-0.3%	-0.7%			
<b>U.S. Heating Degree Days</b>																			
Current	2,130	522	48	1,579	2,211	480	70	1,526	2,112	477	74	1,513	3,828	4,279	4,288	4,177	11.8%	0.2%	-2.6%
Previous	2,129	522	48	1,578	2,211	481	72	1,527	2,100	477	74	1,520	3,828	4,278	4,291	4,171	11.8%	0.3%	-2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-2.5%	-0.1%	0.6%	0.1%	-0.1%	-0.4%	0.0%	0.0%	-0.1%	0.1%			
<b>U.S. Cooling Degree Days</b>																			
Current	52	477	958	98	45	398	894	92	43	400	849	93	1,428	1,584	1,429	1,384	10.9%	-9.7%	-3.2%
Previous	52	478	958	98	46	398	875	92	43	400	848	93	1,428	1,586	1,412	1,384	11.1%	-11.0%	-1.9%
Percent Change	-0.9%	-0.1%	-0.1%	-0.8%	-1.0%	0.0%	2.1%	-0.5%	-0.7%	-0.1%	0.0%	0.3%	0.0%	-0.2%	1.3%	0.0%			

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

# STEO Current/Previous Forecast Comparisons: Energy Prices

Current Forecast: September 10, 2019; Previous Forecast: August 6, 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
<b>U.S. Petroleum</b>																			
<b>WTI spot (\$/barrel)</b>																			
Current	62.90	68.07	69.69	59.59	54.82	59.94	55.59	54.83	56.50	56.50	56.50	56.50	50.79	65.06	56.31	56.50	28.1%	-13.4%	0.3%
Previous	62.90	68.07	69.69	59.59	54.82	59.94	57.09	59.50	59.50	59.50	59.50	59.50	50.79	65.06	57.87	59.50	28.1%	-11.0%	2.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.6%	-7.9%	-5.0%	-5.0%	-5.0%	-5.0%	0.0%	0.0%	-2.7%	-5.0%			
<b>Refiner composite crude oil acquisition cost (\$/barrel)</b>																			
Current	61.94	67.27	69.08	59.39	56.93	61.19	53.95	52.68	53.86	53.86	53.86	53.86	50.68	64.48	56.14	53.86	27.2%	-12.9%	-4.1%
Previous	61.94	67.27	69.08	59.39	56.93	59.58	55.46	57.33	56.86	56.86	56.86	56.86	50.68	64.48	57.32	56.86	27.2%	-11.1%	-0.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	-2.7%	-8.1%	-5.3%	-5.3%	-5.3%	-5.3%	0.0%	0.0%	-2.1%	-5.3%			
<b>Brent spot average (\$/barrel)</b>																			
Current	66.84	74.53	75.02	68.29	63.14	69.07	61.02	60.33	62.00	62.00	62.00	62.00	54.15	71.19	63.39	62.00	31.5%	-11.0%	-2.2%
Previous	66.84	74.53	75.02	68.29	63.14	69.07	63.29	65.00	65.00	65.00	65.00	65.00	54.15	71.19	65.15	65.00	31.5%	-8.5%	-0.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.6%	-7.2%	-4.6%	-4.6%	-4.6%	-4.6%	0.0%	0.0%	-2.7%	-4.6%			
<b>Gasoline, regular-grade retail including taxes (\$/gallon)</b>																			
Current	2.58	2.85	2.84	2.62	2.36	2.79	2.62	2.45	2.55	2.72	2.70	2.55	2.42	2.73	2.56	2.63	12.8%	-6.1%	2.8%
Previous	2.58	2.85	2.84	2.62	2.36	2.79	2.69	2.60	2.63	2.79	2.77	2.62	2.42	2.73	2.62	2.71	12.8%	-4.1%	3.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.4%	-5.9%	-3.2%	-2.6%	-2.4%	-2.7%	0.0%	0.0%	-2.1%	-2.7%			
<b>Diesel, retail including taxes (\$/gallon)</b>																			
Current	3.02	3.20	3.24	3.27	3.02	3.12	3.01	3.03	3.10	3.17	3.17	3.19	2.65	3.18	3.05	3.16	19.9%	-4.3%	3.8%
Previous	3.02	3.20	3.24	3.27	3.02	3.12	3.03	3.13	3.17	3.23	3.23	3.25	2.65	3.18	3.07	3.22	19.9%	-3.4%	4.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-3.2%	-2.1%	-1.9%	-1.8%	-1.9%	0.0%	0.0%	-1.0%	-1.9%			
<b>Heating Oil, residential retail including taxes (\$/gallon)</b>																			
Current	2.87	2.98	3.25	3.16	3.00	3.05	2.83	2.89	3.03	2.94	2.94	3.02	2.51	3.01	2.95	3.00	20.1%	-2.1%	1.9%
Previous	2.87	2.98	3.25	3.16	3.00	3.05	2.88	2.98	3.10	3.01	3.01	3.09	2.51	3.01	2.99	3.07	20.1%	-0.8%	2.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.8%	-3.1%	-2.4%	-2.3%	-2.1%	-2.2%	0.0%	0.0%	-1.3%	-2.3%			
<b>U.S. Natural Gas</b>																			
<b>Henry Hub spot (\$ per million Btu)</b>																			
Current	3.02	2.85	2.93	3.80	2.92	2.56	2.31	2.44	2.70	2.41	2.46	2.61	2.99	3.15	2.56	2.55	5.5%	-18.8%	-0.5%
Previous	3.02	2.85	2.93	3.80	2.92	2.56	2.29	2.43	2.91	2.57	2.63	2.88	2.99	3.15	2.55	2.75	5.5%	-19.1%	7.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.8%	-7.2%	-6.1%	-6.4%	-9.4%	0.0%	0.0%	0.4%	-7.3%			
<b>Residential Retail (\$ per thousand cubic feet)</b>																			
Current	9.37	11.93	17.93	9.97	9.46	12.45	16.53	10.27	9.34	11.95	16.55	10.49	10.86	10.49	10.57	10.55	-3.5%	0.9%	-0.2%
Previous	9.37	11.93	17.93	9.97	9.46	12.30	16.31	10.17	9.38	12.04	16.68	10.68	10.86	10.49	10.49	10.61	-3.5%	0.0%	1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	1.3%	1.0%	-0.4%	-0.7%	-0.8%	-1.8%	0.0%	0.0%	0.8%	-0.6%			
<b>U.S. Electric Utilities Fuel Costs (\$ per million Btu)</b>																			
<b>Coal</b>																			
Current	2.06	2.06	2.06	2.08	2.08	2.08	2.09	2.09	2.11	2.12	2.10	2.10	2.06	2.06	2.09	2.11	0.2%	1.1%	1.1%
Previous	2.06	2.06	2.06	2.08	2.08	2.08	2.10	2.10	2.12	2.13	2.11	2.11	2.06	2.06	2.09	2.12	0.2%	1.3%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.7%	-0.6%	-0.5%	-0.4%	-0.6%	0.0%	0.0%	-0.2%	-0.5%			
<b>Natural Gas</b>																			
Current	3.96	3.09	3.23	4.05	3.71	2.67	2.32	2.69	3.14	2.53	2.50	2.84	3.37	3.54	2.79	2.73	4.9%	-21.3%	-2.1%
Previous	3.96	3.09	3.23	4.05	3.71	2.68	2.31	2.67	3.43	2.71	2.71	3.18	3.37	3.54	2.78	2.97	4.9%	-21.4%	6.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	0.5%	0.7%	-8.4%	-6.5%	-7.7%	-10.6%	0.0%	0.0%	0.2%	-8.1%			
<b>Residual Fuel Oil</b>																			
Current	11.47	13.02	14.02	14.49	12.22	13.79	12.36	11.58	12.17	13.04	12.38	12.13	11.01	12.95	12.48	12.41	17.5%	-3.6%	-0.6%
Previous	11.47	13.02	14.02	14.49	12.22	13.99	12.57	12.23	12.75	13.51	12.82	12.59	11.01	12.95	12.74	12.90	17.5%	-1.6%	1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.4%	-1.7%	-5.3%	-4.5%	-3.4%	-3.5%	-3.6%	0.0%	0.0%	-2.1%	-3.8%			
<b>U.S. Residential Retail Electricity (cents per kilowatthour)</b>																			
Current	12.59	13.03	13.15	12.75	12.66	13.33	13.28	12.85	12.64	13.38	13.42	13.06	12.89	12.89	13.04	13.13	0.0%	1.1%	0.7%
Previous	12.59	13.03	13.15	12.75	12.66	13.33	13.32	12.86	12.66	13.43	13.47	13.12	12.89	12.89	13.05	13.17	0.0%	1.2%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.0%	-0.1%	-0.4%	-0.4%	-0.5%	0.0%	0.0%	-0.1%	-0.3%			

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: September 10, 2019; Previous Forecast: August 6, 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
<b>World Crude Oil and Liquid Fuels Supply (million barrels per day)</b>																			
<b>OECD (Organization for Economic Cooperation and Development) Supply</b>																			
Current	29.17	29.32	30.47	31.41	31.03	31.20	31.87	33.05	33.19	33.53	33.77	34.31	27.65	30.10	31.79	33.70	8.9%	5.6%	6.0%
Previous	29.17	29.32	30.47	31.28	30.93	31.10	31.81	32.97	33.07	33.41	33.70	34.33	27.65	30.07	31.71	33.63	8.7%	5.5%	6.1%
Percent Change	0.0%	0.0%	0.0%	0.4%	0.3%	0.3%	0.2%	0.2%	0.4%	0.4%	0.2%	-0.1%	0.0%	0.1%	0.3%	0.2%			
<b>OPEC (Organization of the Petroleum Exporting Countries) Supply</b>																			
Current	37.46	37.07	37.34	37.29	35.83	35.41	35.15	35.15	34.66	34.66	34.82	34.58	37.37	37.29	35.38	34.68	-0.2%	-5.1%	-2.0%
Previous	37.46	37.07	37.34	37.29	35.83	35.42	35.35	35.21	34.78	34.82	34.97	34.73	37.37	37.29	35.45	34.82	-0.2%	-4.9%	-1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.2%	-0.3%	-0.5%	-0.4%	-0.4%	0.0%	0.0%	-0.2%	-0.4%			
<b>Non-OPEC Supply</b>																			
Current	61.91	62.78	64.15	65.11	64.43	64.91	66.17	67.17	66.67	67.94	68.36	68.59	60.75	63.50	65.68	67.89	4.5%	3.4%	3.4%
Previous	61.87	62.74	64.11	64.95	64.19	64.91	66.06	67.06	66.51	67.78	68.29	68.61	60.76	63.43	65.56	67.80	4.4%	3.4%	3.4%
Percent Change	0.1%	0.1%	0.1%	0.3%	0.4%	0.0%	0.2%	0.2%	0.2%	0.2%	0.1%	0.0%	0.0%	0.1%	0.2%	0.1%			
<b>Total World Supply</b>																			
Current	99.37	99.85	101.49	102.40	100.26	100.32	101.33	102.31	101.33	102.59	103.18	103.17	98.11	100.79	101.06	102.57	2.7%	0.3%	1.5%
Previous	99.33	99.81	101.45	102.24	100.02	100.33	101.41	102.27	101.29	102.60	103.26	103.34	98.13	100.72	101.02	102.62	2.6%	0.3%	1.6%
Percent Change	0.0%	0.0%	0.0%	0.2%	0.2%	0.0%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.2%	0.0%	0.1%	0.0%	0.0%			
<b>World Crude Oil and Liquid Fuels Consumption (million barrels per day)</b>																			
<b>OECD (Organization for Economic Cooperation and Development) Consumption</b>																			
Current	47.62	47.01	47.92	47.52	47.19	46.82	47.78	48.10	47.51	47.00	48.27	48.27	47.35	47.52	47.47	47.76	0.4%	-0.1%	0.6%
Previous	47.60	47.00	47.91	47.51	47.17	46.82	48.04	48.25	47.63	47.13	48.36	48.34	47.34	47.51	47.57	47.87	0.3%	0.1%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.3%	-0.3%	-0.3%	-0.2%	-0.1%	0.0%	0.0%	-0.2%	-0.2%			
<b>Non-OECD Consumption</b>																			
Current	51.56	52.60	52.57	52.91	52.62	53.50	53.54	53.72	53.61	54.64	54.66	54.89	51.24	52.41	53.35	54.45	2.3%	1.8%	2.1%
Previous	51.54	52.59	52.56	52.89	52.62	53.47	53.50	53.73	53.63	54.66	54.68	54.91	51.23	52.40	53.33	54.47	2.3%	1.8%	2.1%
Percent Change	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%	0.0%	0.0%			
<b>China Consumption</b>																			
Current	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%
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	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	99.17	99.62	100.49	100.43	99.81	100.32	101.32	101.83	101.12	101.64	102.93	103.16	98.59	99.93	100.82	102.22	1.4%	0.9%	1.4%
Previous	99.14	99.59	100.47	100.41	99.79	100.29	101.54	101.98	101.26	101.79	103.04	103.25	98.57	99.91	100.91	102.34	1.4%	1.0%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	-0.1%	-0.1%			
<b>Closing Stocks (million barrels)</b>																			
<b>OECD Commercial Inventory</b>																			
Current	2,805	2,805	2,856	2,861	2,863	2,903	2,905	2,911	2,919	2,976	2,994	2,978	2,844	2,861	2,911	2,978	0.6%	1.7%	2.3%
Previous	2,805	2,805	2,856	2,861	2,856	2,903	2,903	2,901	2,905	2,958	2,973	2,959	2,844	2,861	2,901	2,959	0.6%	1.4%	2.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.1%	0.3%	0.5%	0.6%	0.7%	0.6%	0.0%	0.0%	0.3%	0.6%			
<b>OPEC Surplus Production Capacity and World Macroeconomic</b>																			
<b>OPEC Surplus Crude Oil Production Capacity (million barrels per day)</b>																			
Current	1.86	1.78	1.34	1.00	2.08	2.18	2.15	1.83	2.09	2.02	1.85	2.09	2.03	1.49	2.06	2.01	-26.7%	38.1%	-2.3%
Previous	1.86	1.78	1.34	1.00	2.08	2.18	1.81	1.65	1.92	1.85	1.68	1.92	2.03	1.49	1.93	1.84	-26.7%	29.4%	-4.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	18.6%	10.9%	8.9%	9.2%	10.1%	8.9%	0.0%	0.0%	6.8%	9.2%			
<b>World Oil-Consumption-Weighted GDP Growth (annualized percent change)</b>																			
Current	3.31	3.23	2.90	2.58	2.19	1.98	1.96	2.15	1.69	2.79	2.91	3.03	3.17	3.00	2.07	2.61			
Previous	3.25	3.16	2.87	2.70	2.30	2.01	2.05	2.04	1.71	2.95	3.03	3.28	3.13	3.00	2.10	2.74			

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: September 10, 2019; Previous Forecast: August 6, 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
<b>U.S. Supply (million barrels per day)</b>																			
<b>U.S. Crude Oil Production</b>																			
Current	10.27	10.54	11.25	11.89	11.81	12.11	12.24	12.78	13.01	13.19	13.30	13.44	9.35	10.99	12.24	13.23	17.5%	11.4%	8.1%
Previous	10.27	10.54	11.25	11.89	11.81	12.09	12.29	12.87	13.00	13.17	13.33	13.53	9.35	10.99	12.27	13.26	17.5%	11.6%	8.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-0.4%	-0.7%	0.1%	0.1%	-0.2%	-0.7%	0.0%	0.0%	-0.2%	-0.2%			
<b>U.S. Natural Gas Plant Liquids Production</b>																			
Current	4.01	4.30	4.54	4.54	4.66	4.81	5.00	5.36	5.28	5.32	5.47	5.54	3.78	4.35	4.96	5.40	15.0%	14.0%	9.0%
Previous	4.01	4.30	4.54	4.54	4.66	4.83	5.07	5.32	5.22	5.27	5.41	5.51	3.78	4.35	4.97	5.35	15.0%	14.3%	7.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-1.3%	0.6%	1.3%	1.0%	1.1%	0.5%	0.0%	0.0%	-0.2%	1.0%			
<b>U.S. Ethanol Production</b>																			
Current	1.05	1.04	1.06	1.04	1.01	1.05	1.03	1.03	1.03	1.05	1.05	1.05	1.04	1.05	1.03	1.04	0.8%	-1.7%	1.4%
Previous	1.05	1.04	1.06	1.04	1.01	1.05	1.03	1.03	1.03	1.05	1.05	1.05	1.04	1.05	1.03	1.05	0.8%	-1.6%	1.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.3%	-0.4%	-0.2%	0.2%	0.0%	0.0%	0.0%	-0.2%			
<b>U.S. Total Petroleum and Other Liquid Fuel Net Imports</b>																			
Current	3.05	2.75	2.67	0.91	0.89	1.02	0.64	-0.25	-0.61	-0.28	-0.30	-1.14	3.77	2.34	0.57	-0.58	-37.9%	-75.5%	-201.9%
Previous	3.05	2.75	2.67	0.91	0.89	0.93	0.88	-0.14	-0.46	-0.16	-0.27	-1.16	3.77	2.34	0.64	-0.52	-37.9%	-72.6%	-180.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	9.8%	-27.8%	83.6%	32.5%	72.5%	10.9%	-1.9%	0.0%	0.0%	-10.5%	13.3%			
<b>U.S. Consumption (million barrels per day)</b>																			
<b>U.S. Gasoline</b>																			
Current	9.01	9.51	9.51	9.25	8.96	9.48	9.49	9.27	8.94	9.49	9.55	9.27	9.33	9.32	9.30	9.31	-0.1%	-0.2%	0.1%
Previous	9.01	9.51	9.51	9.25	8.96	9.47	9.53	9.26	8.97	9.54	9.57	9.24	9.33	9.32	9.31	9.33	-0.1%	-0.1%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.4%	0.2%	-0.3%	-0.5%	-0.2%	0.3%	0.0%	0.0%	0.0%	-0.2%			
<b>U.S. Distillate</b>																			
Current	4.18	4.13	4.05	4.18	4.28	4.01	3.91	4.18	4.21	4.08	4.18	4.26	3.93	4.13	4.09	4.18	5.1%	-1.0%	2.2%
Previous	4.18	4.13	4.05	4.18	4.28	4.01	4.02	4.20	4.22	4.08	4.17	4.27	3.93	4.13	4.12	4.18	5.1%	-0.2%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.7%	-0.3%	-0.2%	0.1%	0.3%	-0.3%	0.0%	0.0%	-0.7%	0.0%			
<b>U.S. Jet Fuel</b>																			
Current	1.64	1.73	1.78	1.70	1.65	1.78	1.85	1.83	1.77	1.84	1.89	1.86	1.68	1.71	1.78	1.84	1.7%	4.0%	3.6%
Previous	1.64	1.73	1.78	1.70	1.65	1.78	1.85	1.83	1.77	1.84	1.88	1.86	1.68	1.71	1.78	1.84	1.7%	3.9%	3.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.3%	0.3%	0.3%	0.4%	0.0%	0.0%	0.1%	0.3%			
<b>U.S. Hydrocarbon Gas Liquids</b>																			
Current	3.22	2.67	2.85	3.22	3.48	2.80	3.00	3.51	3.59	3.12	3.24	3.54	2.64	2.99	3.20	3.37	13.0%	7.0%	5.5%
Previous	3.22	2.67	2.85	3.22	3.48	2.77	3.15	3.57	3.61	3.14	3.27	3.56	2.64	2.99	3.24	3.39	13.0%	8.6%	4.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	-4.9%	-1.7%	-0.5%	-0.8%	-0.8%	-0.7%	0.0%	0.0%	-1.5%	-0.7%			
<b>U.S. Total Petroleum and Other Liquid Fuels</b>																			
Current	20.24	20.33	20.63	20.60	20.29	20.37	20.72	20.95	20.45	20.67	21.22	21.04	19.96	20.45	20.59	20.85	2.5%	0.7%	1.3%
Previous	20.24	20.33	20.63	20.60	20.29	20.33	20.99	21.03	20.55	20.77	21.28	21.08	19.96	20.45	20.66	20.92	2.5%	1.0%	1.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-1.3%	-0.4%	-0.5%	-0.5%	-0.3%	-0.2%	0.0%	0.0%	-0.4%	-0.3%			
<b>U.S. Closing Stocks (million barrels)</b>																			
<b>U.S. Crude Oil</b>																			
Current	423.4	414.8	416.1	441.8	459.3	464.4	430.4	449.5	485.8	482.6	470.3	478.1	421.6	441.8	449.5	478.1	4.8%	1.7%	6.4%
Previous	423.4	414.8	416.1	441.8	459.3	464.4	441.9	457.5	491.4	486.6	473.4	481.0	421.6	441.8	457.5	481.0	4.8%	3.6%	5.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-2.6%	-1.8%	-1.2%	-0.8%	-0.7%	-0.6%	0.0%	0.0%	-1.8%	-0.6%			
<b>U.S. Total Gasoline</b>																			
Current	239.6	240.3	239.7	246.3	236.1	229.8	225.9	235.1	233.3	228.4	223.8	236.2	236.8	246.3	235.1	236.2	4.0%	-4.5%	0.5%
Previous	239.6	240.3	239.7	246.3	236.1	230.0	222.0	234.4	233.2	228.4	222.9	235.6	236.8	246.3	234.4	235.6	4.0%	-4.8%	0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	1.8%	0.3%	0.0%	0.0%	0.4%	0.3%	0.0%	0.0%	0.3%	0.3%			
<b>U.S. Distillate Fuel Oil</b>																			
Current	130.4	120.4	137.1	140.0	132.4	130.4	132.5	137.3	127.4	129.7	134.7	139.7	145.6	140.0	137.3	139.7	-3.9%	-2.0%	1.8%
Previous	130.4	120.4	137.1	140.0	132.4	128.4	136.6	141.3	131.3	133.4	138.4	143.3	145.6	140.0	141.3	143.3	-3.9%	0.9%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	-3.0%	-2.8%	-3.0%	-2.8%	-2.7%	-2.5%	0.0%	0.0%	-2.8%	-2.5%			

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: September 10, 2019; Previous Forecast: August 6, 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
<b>U.S. Supply (billion cubic feet per day)</b>																			
<b>U.S. Total Marketed Production</b>																			
Current	84.93	87.39	91.50	94.79	96.18	97.53	99.07	100.77	100.23	100.23	100.95	100.77	79.99	89.69	98.40	100.55	12.1%	9.7%	2.2%
Previous	84.93	87.39	91.50	94.79	96.18	97.02	98.66	100.33	99.23	99.31	100.34	100.64	79.99	89.69	98.06	99.88	12.1%	9.3%	1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.4%	0.4%	1.0%	0.9%	0.6%	0.1%	0.0%	0.0%	0.3%	0.7%			
<b>U.S. Federal GOM Marketed Production</b>																			
Current	2.57	2.48	2.86	2.77	2.80	2.76	2.75	2.78	2.86	2.81	2.68	2.65	2.90	2.67	2.77	2.75	-8.1%	3.8%	-0.7%
Previous	2.57	2.48	2.86	2.77	2.80	2.76	2.65	2.81	2.89	2.83	2.70	2.66	2.90	2.67	2.75	2.77	-8.1%	3.1%	0.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	3.7%	-0.8%	-0.8%	-0.8%	-0.6%	-0.5%	0.0%	0.0%	0.6%	-0.7%			
<b>U.S. Lower 48 ex GOM Marketed Production</b>																			
Current	81.37	83.98	87.79	91.05	92.42	93.85	95.52	97.04	96.37	96.57	97.48	97.17	76.14	86.08	94.72	96.90	13.0%	10.0%	2.3%
Previous	81.37	83.98	87.79	91.05	92.42	93.35	95.22	96.58	95.34	95.62	96.85	97.03	76.14	86.08	94.41	96.21	13.0%	9.7%	1.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.3%	0.5%	1.1%	1.0%	0.6%	0.1%	0.0%	0.0%	0.3%	0.7%			
<b>U.S. Pipeline Gross Imports</b>																			
Current	8.6	7.6	7.4	7.2	8.4	6.7	6.8	7.4	8.0	6.5	6.8	7.5	8.1	7.7	7.3	7.2	-5.1%	-5.3%	-1.6%
Previous	8.6	7.6	7.4	7.2	8.4	6.7	6.8	7.4	8.2	6.7	6.8	7.3	8.1	7.7	7.3	7.2	-5.1%	-5.4%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.3%	-0.1%	-3.4%	-2.9%	0.0%	2.6%	0.0%	0.0%	0.1%	-1.0%			
<b>U.S. LNG Gross Imports</b>																			
Current	0.33	0.10	0.15	0.26	0.28	0.03	0.17	0.21	0.32	0.18	0.18	0.20	0.21	0.21	0.17	0.22	-2.0%	-17.7%	26.6%
Previous	0.33	0.10	0.15	0.26	0.28	0.09	0.17	0.21	0.32	0.18	0.18	0.20	0.21	0.21	0.19	0.22	-2.0%	-10.6%	16.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-65.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-7.9%	0.0%			
<b>U.S. Gross Exports</b>																			
Current	9.64	8.93	9.99	10.95	11.86	11.70	12.06	13.80	15.41	13.73	15.20	16.01	8.68	9.88	12.36	15.09	13.9%	25.1%	22.1%
Previous	9.64	8.93	9.99	10.95	11.86	11.69	12.55	14.64	16.47	14.59	14.77	16.42	8.68	9.88	12.69	15.56	13.9%	28.4%	22.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-3.9%	-5.8%	-6.5%	-5.9%	2.9%	-2.5%	0.0%	0.0%	-2.6%	-3.0%			
<b>U.S. Consumption (billion cubic feet per day)</b>																			
<b>U.S. Residential</b>																			
Current	25.77	7.97	3.44	17.53	27.11	7.34	3.58	17.47	26.40	7.57	3.65	16.80	12.09	13.63	13.82	13.59	12.7%	1.4%	-1.7%
Previous	25.77	7.97	3.44	17.53	27.11	7.25	3.43	17.23	26.77	7.46	3.47	16.58	12.09	13.63	13.70	13.55	12.7%	0.5%	-1.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	4.4%	1.4%	-1.4%	1.5%	5.3%	1.3%	0.0%	0.0%	0.9%	0.3%			
<b>U.S. Commercial</b>																			
Current	15.36	6.60	4.58	11.65	16.06	6.32	4.94	11.32	15.39	6.61	4.91	10.64	8.67	9.52	9.63	9.38	9.9%	1.2%	-2.6%
Previous	15.36	6.60	4.58	11.65	16.06	6.40	4.99	11.35	15.00	6.56	4.94	10.71	8.67	9.52	9.67	9.30	9.9%	1.6%	-3.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%	-0.9%	-0.3%	2.6%	0.8%	-0.7%	-0.6%	0.0%	0.0%	-0.4%	0.9%			
<b>U.S. Industrial</b>																			
Current	24.30	21.82	21.30	23.41	24.90	21.53	21.39	23.98	25.54	22.58	21.85	24.92	21.78	22.70	22.94	23.72	4.2%	1.1%	3.4%
Previous	24.30	21.82	21.30	23.41	24.90	21.82	21.59	24.26	25.32	22.64	21.91	24.98	21.78	22.70	23.14	23.71	4.2%	1.9%	2.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%	-0.9%	-1.2%	0.9%	-0.3%	-0.3%	-0.2%	0.0%	0.0%	-0.8%	0.0%			
<b>U.S. Electric Power Sector</b>																			
Current	24.91	27.62	37.78	26.04	26.62	27.79	39.03	28.66	26.84	29.35	38.35	28.58	25.39	29.11	30.55	30.79	14.7%	5.0%	0.8%
Previous	24.91	27.62	37.78	26.04	26.62	27.98	39.23	28.33	25.19	29.03	37.35	26.62	25.39	29.11	30.57	29.56	14.7%	5.0%	-3.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	-0.5%	1.2%	6.6%	1.1%	2.7%	7.4%	0.0%	0.0%	-0.1%	4.2%			
<b>U.S. Total Consumption</b>																			
Current	97.60	70.70	74.09	86.12	102.71	70.21	76.08	89.28	102.34	73.64	76.46	88.98	74.32	82.07	84.51	85.34	10.4%	3.0%	1.0%
Previous	97.60	70.70	74.09	86.12	102.71	70.51	76.55	89.07	100.42	73.20	75.33	86.93	74.32	82.07	84.65	83.96	10.4%	3.1%	-0.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.6%	0.2%	1.9%	0.6%	1.5%	2.4%	0.0%	0.0%	-0.2%	1.6%			
<b>U.S. Working Gas in Storage (billion cubic feet)</b>																			
Current	1,390	2,195	2,950	2,708	1,185	2,460	3,415	3,183	1,713	2,737	3,561	3,300	3,033	2,708	3,183	3,300	-10.7%	17.5%	3.7%
Previous	1,391	2,196	2,951	2,709	1,185	2,446	3,395	3,166	1,622	2,679	3,522	3,267	3,033	2,709	3,166	3,267	-10.7%	16.9%	3.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.1%	0.6%	0.6%	0.5%	5.6%	2.2%	1.1%	1.0%	0.0%	0.0%	0.5%	1.0%			
<b>U.S. Balancing Item (billion cubic feet per day) (Consumption - Supply)</b>																			
Current	0.60	-0.52	-0.41	-1.34	-0.61	-1.43	-0.58	-0.73	0.16	-1.14	-0.07	0.93	-0.99	-0.42	-0.84	-0.03			
Previous	0.61	-0.52	-0.41	-1.34	-0.61	-0.84	0.76	0.42	-0.79	0.37	-0.79	-0.26	-0.99	-0.42	-0.06	-0.37			

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

Current Forecast: September 10, 2019; Previous Forecast: August 6, 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
<b>U.S. Electricity Generation, Electric Power Sector (billion kilowatthours)</b>																			
<b>U.S. Total Generation</b>																			
Current	962	975	1,136	945	955	937	1,120	931	961	936	1,097	932	3,877	4,018	3,942	3,925	3.6%	-1.9%	-0.4%
Previous	962	975	1,136	945	955	941	1,109	932	960	943	1,095	933	3,877	4,018	3,936	3,931	3.6%	-2.0%	-0.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	1.0%	-0.1%	0.0%	-0.7%	0.2%	-0.2%	0.0%	0.0%	0.1%	-0.1%			
<b>U.S. Coal</b>																			
Current	279	258	325	275	258	209	288	214	239	182	257	202	1,198	1,139	969	881	-5.0%	-14.9%	-9.1%
Previous	279	258	325	275	258	209	269	213	240	196	260	217	1,198	1,139	948	912	-5.0%	-16.7%	-3.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	7.2%	0.5%	-0.4%	-6.8%	-1.1%	-6.7%	0.0%	0.0%	2.2%	-3.5%			
<b>U.S. Natural gas</b>																			
Current	286	322	445	312	316	330	462	343	322	352	458	344	1,197	1,366	1,452	1,476	14.1%	6.3%	1.7%
Previous	286	322	445	312	316	332	465	341	317	339	448	325	1,197	1,366	1,455	1,428	14.1%	6.5%	-1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.6%	0.5%	1.5%	3.9%	2.3%	5.9%	0.0%	0.0%	-0.2%	3.3%			
<b>U.S. Petroleum</b>																			
Current	8.8	4.5	5.3	4.5	4.8	4.1	5.5	4.6	4.9	4.0	5.6	4.5	20.0	23.1	19.0	19.0	15.5%	-18.0%	0.1%
Previous	8.8	4.5	5.3	4.5	4.8	4.3	5.6	4.5	5.7	4.6	5.3	4.6	20.0	23.1	19.2	20.2	15.5%	-16.9%	5.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-5.3%	-0.6%	0.4%	-13.8%	-13.0%	4.6%	-1.4%	0.0%	0.0%	-1.3%	-5.9%			
<b>U.S. Nuclear</b>																			
Current	206	196	209	195	203	197	206	201	206	185	202	198	805	807	807	791	0.3%	-0.1%	-1.9%
Previous	206	196	209	195	203	196	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%	0.1%	-0.5%	3.9%	1.5%	-1.8%	-0.1%	3.7%	0.0%	0.0%	0.8%	0.8%			
<b>U.S. Conventional Hydroelectric</b>																			
Current	77	85	64	64	72	81	65	64	73	81	67	64	299	290	282	285	-2.9%	-2.9%	1.2%
Previous	77	85	64	64	72	82	64	63	70	80	67	63	299	290	280	280	-2.9%	-3.3%	-0.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	0.1%	2.1%	3.2%	1.8%	0.3%	1.7%	0.0%	0.0%	0.4%	1.8%			
<b>U.S. Other Renewables</b>																			
Current	103	107	86	92	99	114	94	102	114	130	106	117	354	389	409	467	9.7%	5.2%	14.3%
Previous	103	107	86	92	99	116	97	115	122	134	112	132	354	389	427	500	9.7%	9.9%	16.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.8%	-3.7%	-11.0%	-6.9%	-3.0%	-4.6%	-11.0%	0.0%	0.0%	-4.3%	-6.4%			
<b>U.S. Electricity Sales (billion kilowatthours)</b>																			
<b>U.S. Residential</b>																			
Current	369	328	434	333	362	310	427	326	371	312	419	328	115	122	119	119	6.2%	-2.7%	0.3%
Previous	369	328	434	333	362	313	423	327	370	314	418	328	115	122	119	119	6.2%	-2.8%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%	1.0%	-0.1%	0.4%	-0.5%	0.3%	0.0%	0.0%	0.0%	0.1%	0.0%			
<b>U.S. Commercial</b>																			
Current	325	337	387	328	322	329	384	327	326	330	381	329	113	115	114	114	1.8%	-1.0%	0.2%
Previous	325	337	387	328	322	332	383	327	326	333	379	328	113	115	114	114	1.8%	-0.9%	0.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%	0.4%	0.0%	0.1%	-0.8%	0.4%	0.2%	0.0%	0.0%	-0.1%	0.0%			
<b>U.S. Industrial</b>																			
Current	225	238	256	234	227	238	252	229	227	235	249	228	82	79	78.91	78	-3.2%	-0.7%	-0.8%
Previous	225	238	256	234	227	238	252	230	228	237	250	230	82	79	79	79	-3.2%	-0.5%	-0.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-0.4%	-0.6%	-0.6%	-0.3%	-0.8%	0.0%	0.0%	-0.2%	-0.6%			
<b>U.S. Total</b>																			
Current	921	905	1,079	897	913	879	1,065	885	925	880	1,050	886	311	317	312	312	2.1%	-1.6%	0.0%
Previous	921	905	1,079	897	913	885	1,060	886	925	885	1,049	888	311	317	312	312	2.1%	-1.5%	0.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.7%	0.5%	-0.1%	0.0%	-0.6%	0.2%	-0.2%	0.0%	0.0%	-0.1%	-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: September 10, 2019; Previous Forecast: August 6, 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
<b>U.S. Coal (million short tons)</b>																			
<b>U.S. Production</b>																			
Current	187.6	180.8	194.7	192.4	170.3	175.9	167.5	160.3	167.9	130.1	164.9	154.4	775	755.5	674	617	-2.5%	-10.8%	-8.4%
Previous	187.6	180.8	194.7	192.4	170.3	175.6	177.0	165.0	178.1	135.5	169.0	168.3	775	756	688	651	-2.5%	-9.0%	-5.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	-5.4%	-2.8%	-5.8%	-4.0%	-2.4%	-8.2%	0.0%	0.0%	-2.0%	-5.2%			
<b>U.S. Exports</b>																			
Current	27.2	30.9	29.1	28.5	25.2	25.3	22.0	21.7	24.1	20.8	20.6	20.2	97.0	115.6	94.2	85.7	19.3%	-18.6%	-9.0%
Previous	27.2	30.9	29.1	28.5	25.2	26.5	24.6	23.7	25.6	22.0	21.6	21.2	97.0	115.6	100.0	90.4	19.3%	-13.5%	-9.6%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-4.3%	-10.9%	-8.6%	-6.2%	-5.4%	-4.5%	-4.6%	0.0%	0.0%	-5.9%	-5.2%			
<b>U.S. Imports</b>																			
Current	1.4	1.5	1.4	1.6	1.7	1.6	1.8	1.6	1.3	1.3	1.5	1.4	7.8	6.0	6.7	5.5	-23.4%	12.9%	-18.5%
Previous	1.4	1.5	1.4	1.6	1.7	1.4	1.5	1.5	1.2	1.3	1.5	1.4	7.8	6.0	6.1	5.4	-23.4%	1.6%	-10.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	14.7%	22.6%	8.8%	3.9%	1.4%	0.5%	0.2%	0.0%	0.0%	11.1%	1.4%			
<b>U.S. Electric Power Demand</b>																			
Current	154.8	144.2	181.6	155.9	145.0	117.7	160.0	120.0	134.3	105.0	145.9	114.3	665	636	543	499	-4.3%	-14.7%	-8.0%
Previous	154.8	144.2	181.6	155.9	145.0	119.0	152.0	122.0	142.1	108.8	148.5	126.6	665	636	538	526	-4.3%	-15.5%	-2.3%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	5.2%	-1.7%	-5.5%	-3.5%	-1.8%	-9.7%	0.0%	0.0%	0.9%	-5.0%			
<b>U.S. Secondary Stocks</b>																			
Current	131.2	126.3	105.9	108.1	102.2	114.6	113.5	121.0	121.6	118.5	111.5	119.4	143.0	108.1	121.0	119.4	-24.4%	11.9%	-1.3%
Previous	131.2	126.3	105.9	108.1	102.2	114.6	106.9	114.7	115.7	112.8	106.0	114.1	143.0	108.1	114.7	114.1	-24.4%	6.1%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	5.5%	5.1%	5.0%	5.1%	4.6%	0.0%	0.0%	5.5%	4.6%			
<b>U.S. Carbon Dioxide Emissions</b>																			
<b>Petroleum</b>																			
Current	578.5	592.0	601.8	599.4	572.7	585.2	601.0	596.8	576.8	584.5	604.7	598.0	2,332	2,372	2,356	2,364	1.7%	-0.7%	0.4%
Previous	578.5	592.0	601.8	599.4	572.7	587.1	606.4	600.7	579.8	588.0	609.1	602.5	2,332	2,372	2,367	2,379	1.7%	-0.2%	0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.3%	-0.9%	-0.7%	-0.5%	-0.6%	-0.7%	-0.7%	0.0%	0.0%	-0.5%	-0.6%			
<b>Coal</b>																			
Current	306.5	287.3	355.1	309.6	289.0	237.6	317.0	246.5	270.0	215.7	288.8	235.9	1316.0	1258.5	1090.1	1010.4	-4.4%	-13.4%	-7.3%
Previous	306.5	287.3	355.1	309.6	289.0	245.1	304.4	251.7	286.2	224.1	295.5	259.9	1316.0	1258.5	1090.2	1065.7	-4.4%	-13.4%	-2.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-3.0%	4.1%	-2.1%	-5.7%	-3.7%	-2.3%	-9.2%	0.0%	0.0%	0.0%	-5.2%			
<b>Natural Gas</b>																			
Current	478.4	349.4	370.3	431.1	503.7	349.8	380.2	446.9	507.4	363.9	382.1	445.4	1473.9	1629.2	1680.6	1698.8	10.5%	3.2%	1.1%
Previous	478.4	349.4	370.3	431.1	503.8	350.5	382.6	445.9	498.0	361.7	376.5	435.1	1473.9	1629.2	1682.7	1671.4	10.5%	3.3%	-0.7%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.6%	0.2%	1.9%	0.6%	1.5%	2.4%	0.0%	0.0%	-0.1%	1.6%			
<b>Total Fossil Fuel</b>																			
Current	1363.4	1228.8	1327.1	1340.2	1365.4	1172.6	1298.2	1290.2	1354.2	1164.1	1275.6	1279.3	5,122	5,259	5,126	5,073	2.7%	-2.5%	-1.0%
Previous	1363.4	1228.8	1327.1	1340.2	1365.5	1182.7	1293.3	1298.3	1364.0	1173.8	1281.1	1297.5	5,122	5,259	5,140	5,116	2.7%	-2.3%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%	0.4%	-0.6%	-0.7%	-0.8%	-0.4%	-1.4%	0.0%	0.0%	-0.3%	-0.8%			

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: September 10, 2019; Previous Forecast: August 6, 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
<b>U.S. Renewable Energy Consumption, All Sectors (quadrillion btu)</b>																			
<b>U.S. Wind Power</b>																			
Current	0.720	0.688	0.493	0.630	0.683	0.737	0.557	0.714	0.793	0.845	0.623	0.820	2.341	2.530	2.691	3.081	8.1%	6.4%	14.5%
Previous	0.722	0.689	0.494	0.631	0.685	0.766	0.561	0.712	0.787	0.875	0.625	0.805	2.346	2.536	2.723	3.092	8.1%	7.4%	13.5%
Percent Change	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-3.8%	-0.8%	0.4%	0.8%	-3.5%	-0.3%	1.9%	-0.2%	-0.2%	-1.2%	-0.4%			
<b>U.S. Wood Biomass</b>																			
Current	0.587	0.584	0.596	0.590	0.577	0.566	0.553	0.539	0.541	0.542	0.542	0.535	2.285	2.357	2.235	2.160	3.1%	-5.2%	-3.3%
Previous	0.587	0.584	0.596	0.590	0.577	0.561	0.551	0.537	0.546	0.544	0.543	0.537	2.285	2.357	2.225	2.170	3.1%	-5.6%	-2.5%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.2%	0.4%	-0.8%	-0.3%	-0.2%	-0.4%	0.0%	0.0%	0.4%	-0.4%			
<b>U.S. Solar Power</b>																			
Current	0.184	0.295	0.289	0.184	0.202	0.328	0.325	0.217	0.245	0.383	0.400	0.265	0.777	0.951	1.073	1.293	22.5%	12.8%	20.4%
Previous	0.184	0.295	0.289	0.184	0.202	0.335	0.327	0.212	0.244	0.389	0.400	0.259	0.777	0.951	1.077	1.291	22.5%	13.2%	19.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-2.1%	-0.3%	2.3%	0.4%	-1.6%	0.1%	2.5%	0.0%	0.0%	-0.3%	0.1%			
<b>U.S. Ethanol</b>																			
Current	0.283	0.297	0.305	0.300	0.285	0.305	0.299	0.297	0.286	0.306	0.310	0.303	1.192	1.185	1.185	1.205	-0.6%	0.0%	1.7%
Previous	0.283	0.297	0.305	0.300	0.285	0.305	0.298	0.297	0.287	0.308	0.310	0.302	1.192	1.185	1.185	1.207	-0.6%	0.0%	1.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.4%	-0.2%	0.3%	0.0%	0.0%	0.0%	-0.2%			
<b>U.S. Biodiesel</b>																			
Current	0.054	0.068	0.071	0.063	0.058	0.071	0.072	0.085	0.072	0.085	0.078	0.082	0.280	0.256	0.286	0.317	-8.7%	11.7%	10.7%
Previous	0.054	0.068	0.071	0.063	0.058	0.071	0.072	0.085	0.072	0.085	0.078	0.082	0.280	0.256	0.286	0.317	-8.7%	11.7%	10.7%
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>U.S. Renewable Electric Power Sector Generation Capacity (MW)</b>																			
<b>Wind Power</b>																			
Current	88,643	89,092	89,801	94,273	96,442	97,993	99,832	106,395	107,992	109,041	111,128	120,716	87,488	94,273	106,395	120,716	7.8%	12.9%	13.5%
Previous	88,646	89,095	89,803	94,276	96,444	97,932	100,224	106,597	108,219	109,744	111,220	119,211	87,488	94,276	106,597	119,211	7.8%	13.1%	11.8%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	-0.4%	-0.2%	-0.2%	-0.6%	-0.1%	1.3%	0.0%	0.0%	-0.2%	1.3%			
<b>Wood Biomass</b>																			
Current	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%
Previous	3,039	3,039	3,020	2,965	2,835	2,936	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%	-4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
<b>Solar Power</b>																			
Current	27,989	28,846	29,377	31,502	32,567	32,981	34,483	37,491	39,120	42,639	43,688	48,456	26,432	31,502	37,491	48,456	19.2%	19.0%	29.2%
Previous	27,960	28,816	29,349	31,467	32,517	33,357	34,274	37,266	38,879	42,635	43,643	47,323	26,432	31,467	37,266	47,323	19.0%	18.4%	27.0%
Percent Change	0.1%	0.1%	0.1%	0.1%	0.2%	-1.1%	0.6%	0.6%	0.6%	0.0%	0.1%	2.4%	0.0%	0.1%	0.6%	2.4%			

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