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

Current Forecast: February	7, 2017; I			ast: Jan	uary 10,			1	1				1						
			16	1			17			20					ear	1		Growth Rate	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
U.S. Energy Supply																			
U.S. Crude Oil Production (million ba	irrels per da	ıy)																	
Current	9.17	8.85	8.67	8.85	8.88	8.93	8.93	9.18	9.44	9.55	9.45	9.68	9.42	8.88	8.98	9.53	-5.6%	1.1%	6.1%
Previous	9.17	8.85	8.68	8.85	8.92	8.99	8.95	9.16	9.31	9.34	9.19	9.36	9.42	8.89	9.00	9.30	-5.6%	1.3%	3.3%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-0.5%	-0.6%	-0.2%	0.3%	1.4%	2.2%	2.9%	3.4%	0.0%	0.0%	-0.3%	2.5%			
U.S. Dry Natural Gas Production (bil	lion cubic fe	et per day	)																
Current	73.77	72.38	71.84	71.39	71.81	72.96	74.41	75.54	76.79	77.59	78.03	78.66	74.14	72.34	73.69	77.77	-2.4%	1.9%	5.5%
Previous	73.77	72.38	71.85	71.44	72.58	73.29	74.11	75.11	75.90	76.11	76.61	77.82	74.14	72.36	73.78	76.62	-2.4%	2.0%	3.8%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-1.1%	-0.5%	0.4%	0.6%	1.2%	1.9%	1.9%	1.1%	0.0%	0.0%	-0.1%	1.5%			
U.S. Coal Production (million short to	ons)																		
Current	173.0	160.5	195.1	210.0	196.4	168.6	203.0	194.5	192.9	171.2	202.3	206.5	897.0	738.7	762.5	772.9	-17.6%	3.2%	1.4%
Previous	173.0	160.5	195.1	210.0	203.0	176.9	206.8	203.2	195.3	175.9	206.3	214.1	897.0	738.7	789.9	791.5	-17.6%	6.9%	0.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	-3.2%	-4.7%	-1.8%	-4.3%	-1.2%	-2.7%	-1.9%	-3.5%	0.0%	0.0%	-3.5%	-2.4%			
U.S. Energy Consumption																			
U.S. Petroleum and Other Liquid Fue	els Consum	ption (milli	on barrels	per day)															
Current	19.45	19.42	19.90	19.57	19.47	19.69	20.22	19.98	19.84	20.02	20.52	20.31	19.53	19.58	19.84	20.17	0.3%	1.3%	1.7%
Previous	19.45	19.42	19.90	19.58	19.56	19.67	20.16	20.00	19.90	20.05	20.55	20.39	19.53	19.59	19.85	20.22	0.3%	1.3%	1.9%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-0.5%	0.1%	0.3%	-0.1%	-0.3%	-0.2%	-0.1%	-0.4%	0.0%	0.0%	0.0%	-0.3%			
U.S. Natural Gas Consumption (billion	n cubic fee	t per day)																	
Current	89.23	66.69	69.08	75.38	89.41	65.51	66.72	77.31	93.07	67.10	68.41	78.56	74.65	75.08	74.68	76.72	0.6%	-0.5%	2.7%
Previous	89.33	66.79	69.24	74.99	91.05	65.71	67.01	77.97	92.77	67.16	68.54	79.17	74.65	75.07	75.37	76.85	0.6%	0.4%	2.0%
Percent Change	-0.1%	-0.2%	-0.2%	0.5%	-1.8%	-0.3%	-0.4%	-0.8%	0.3%	-0.1%	-0.2%	-0.8%	0.0%	0.0%	-0.9%	-0.2%			
U.S. Electricity Retail Sales (million k	ilowatthour																		
Current	9,805	9,583	11,692	9,556	10,045	9,764	11,524	9,671	10,259	9,830	11,610	9,730	10,299	10,161	10,253	10,359	-1.3%	0.9%	1.0%
Previous	9,805	9,583	11,692	9,598	10,074	9.736	11,499	9,714	10,147	9,810	11,592	9,778	10,299	10,172	10,258	10,334	-1.2%	0.8%	0.7%
Percent Change	0.0%	0.0%	0.0%	-0.4%	-0.3%	0.3%	0.2%	-0.4%	1.1%	0.2%	0.2%	-0.5%	0.0%	-0.1%	0.0%	0.2%		0.070	0 70
U.S. Total Energy Consumption (qua			0.070	0.170	0.070	0.070	0.270	01.70	,	0.270	0.270	0.070	0.070	01170	0.070	0.270			
Current	25.24	22.95	24.79	24.14	24.84	22.80	24.26	24.30	25.53	23.12	24.56	24.59	97.34	97.13	96.20	97.80	-0.2%	-1.0%	1.7%
Previous	25.28	22.98	24.80	24.00	25.22	22.84	24.27	24.44	25.51	23.16	24.60	24.75	97.34	97.06	96.78	98.02	-0.3%	-0.3%	1.3%
Percent Change	-0.1%	-0.1%	-0.1%	0.6%	-1.5%	-0.2%	0.0%	-0.6%	0.1%	-0.2%	-0.2%	-0.7%	0.0%	0.1%	-0.6%	-0.2%	0.070	0.070	1.070
U.S. Macroeconomic and Weather	0.170	0.170	0.170	0.070	1.570	0.270	0.070	0.070	0.170	0.270	0.270	0.7 70	0.070	0.170	0.070	-0.270			
U.S. Real Gross Domestic Product	hillian abair	2000	lallara\																
Current	16,525	16,583	16,727	16,788	16.885	16.982	17.082	17,175	17.304	17.422	17.540	17,647	16.397	16,656	17,031	17,478	1.6%	2.3%	2.6%
Previous	16,525	16,583	16,713	16,786	16.883	16,987	17,085	17,173	17,304	17,422	17,540	17,630	16,397	16,652	17,031	17,470	1.6%	2.3%	2.6%
Percent Change	0.0%	0.0%	0.1%	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%	1.0%	2.370	2.076
			0.176	0.0%	0.076	0.0%	0.076	0.0%	0.076	0.076	0.176	0.176	0.0%	0.0%	0.0%	0.0%			
U.S. Manufacturing Production Inde Current	103.9	103.6	103.8	104.1	104.4	104.6	105.4	106.1	107.0	107.8	108.8	109.5	103.6	103.8	105.1	108.3	0.3%	1.2%	3.0%
Previous	103.9	103.6	103.8	104.1	104.4	104.6	105.4	106.1	107.0	107.5	108.3	108.9	103.6	103.8	103.1	100.3	0.3%	1.1%	2.8%
	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.3%	0.0%		0.3%	0.4%	0.5%	0.0%	0.0%	0.2%	0.3%	0.2%	1.170	2.0%
Percent Change	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.3%	0.0%	0.1%	0.3%	0.4%	0.5%	0.0%	0.0%	0.2%	0.3%			
U.S. Heating Degree Days	4.047	400	F.4	4.007	4.000	450	00	4 405	0.004	404	00	4 400	4.005	0.075	4.004	4.400	5.00/	0.00/	0.00/
Current	1,947	480	51	1,397	1,982	459	68	1,495	2,084	464	68	1,493	4,085	3,875	4,004	4,108	-5.2%	3.3%	2.6%
Previous	1,946	480	51	1,370	2,084	459	68	1,495	2,081	458	68	1,493	4,086	3,846	4,106	4,099	-5.9%	6.7%	-0.2%
Percent Change	0.1%	0.0%	0.4%	2.0%	-4.9%	0.0%	-0.3%	0.0%	0.2%	1.3%	-0.3%	0.0%	0.0%	0.7%	-2.5%	0.2%			
U.S. Cooling Degree Days		410	00=	465	40	4	0=0	0=	40	4	0=0	0-	4 (00	4 ====	4 400	4 100	4 =01	0.007	0.101
Current	54	410	965	129	48	417	872	97	42	415	873	97	1,489	1,559	1,433	1,428	4.7%	-8.0%	-0.4%
Previous	54	411	965	130	45	416	871	97	42	417	872	97	1,489	1,560	1,428	1,428	4.8%	-8.5%	0.0%
Percent Change	-0.5%	-0.2%	0.0%	-0.6%	5.5%	0.3%	0.2%	0.1%	-0.1%	-0.5%	0.2%	0.1%	0.0%	-0.1%	0.4%	0.0%			

## STEO Current/Previous Forecast Comparisons: Energy Prices Current Forecast: February 7, 2017; Previous Forecast: January 10, 2017

Current Forecast: February	1, 2017;	Previou	S FOIEC 016	ast. Jai	luary 10	•	017			20	18			Ye	ar			Growth Rate	,
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
U.S. Petroleum						ı	l	l				l						l	
WTI spot (\$/barrel)																			
Current	33.35	45.46	44.85	49.18	52.83	53.00	54.00	54.00	54.00	55.67	56.67	58.31	48.67	43.33	53.46	56.18	-11.0%	23.4%	5.1%
Previous	33.35	45.46	44.85	49.20	52.00	52.00	53.00	53.00	53.00	54.67	55.67	57.31	48.67	43.33	52.50	55.18	-11.0%	21.2%	5.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	1.6%	1.9%	1.9%	1.9%	1.9%	1.8%	1.8%	1.7%	0.0%	0.0%	1.8%	1.8%			
Refiner composite crude oil acquisition	on cost (\$/	barrel)																	
Current	30.84	42.23	42.90	47.54	51.82	52.00	53.00	53.00	53.00	54.68	55.66	57.35	48.40	40.93	52.46	55.20	-15.4%	28.2%	5.2%
Previous	30.84	42.23	42.90	47.38	51.00	51.00	52.00	52.00	52.00	53.68	54.66	56.35	48.40	40.89	51.51	54.21	-15.5%	26.0%	5.2%
Percent Change	0.0%	0.0%	0.0%	0.4%	1.6%	2.0%	1.9%	1.9%	1.9%	1.9%	1.8%	1.8%	0.0%	0.1%	1.9%	1.8%			
Brent spot average (\$/barrel)																			
Current	33.89	45.57	45.80	49.25	54.18	54.00	55.00	55.00	55.00	56.67	57.67	59.31	52.32	43.74	54.54	57.18	-16.4%	24.7%	4.8%
Previous	33.89	45.57	45.80	49.24	53.00	53.00	54.00	54.00	54.00	55.67	56.67	58.31	52.32	43.74	53.50	56.18	-16.4%	22.3%	5.0%
Percent Change	0.0%	0.0%	0.0%	0.0%	2.2%	1.9%	1.9%	1.9%	1.9%	1.8%	1.8%	1.7%	0.0%	0.0%	2.0%	1.8%			
Gasoline, regular-grade retail includi	ng taxes (S	(gallon)																	
Current	1.90	2.25	2.21	2.23	2.32	2.47	2.48	2.31	2.27	2.53	2.54	2.40	2.43	2.15	2.39	2.44	-11.5%	11.4%	1.8%
Previous	1.90	2.25	2.21	2.23	2.31	2.46	2.46	2.29	2.24	2.51	2.52	2.38	2.43	2.15	2.38	2.41	-11.5%	10.8%	1.4%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.4%	0.1%	0.7%	1.0%	1.2%	0.9%	0.8%	1.0%	0.0%	0.0%	0.6%	1.0%			
Diesel, retail including taxes (\$/gallor	n)																		
Current	2.08	2.30	2.38	2.47	2.67	2.70	2.73	2.78	2.80	2.81	2.85	2.92	2.71	2.31	2.72	2.85	-14.6%	17.7%	4.7%
Previous	2.08	2.30	2.38	2.47	2.68	2.70	2.73	2.78	2.79	2.80	2.84	2.91	2.71	2.31	2.73	2.84	-14.6%	18.0%	4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.3%	-0.1%	-0.1%	0.3%	0.3%	0.3%	0.3%	0.0%	0.0%	-0.2%	0.3%			
Heating Oil, residential retail includin	a taxes (\$	(gallon)																	
Current	1.95	2.05	2.11	2.33	2.55	2.57	2.61	2.70	2.75	2.66	2.69	2.80	2.65	2.10	2.61	2.75	-20.8%	24.3%	5.3%
Previous	1.95	2.05	2.11	2.37	2.61	2.58	2.61	2.70	2.74	2.65	2.67	2.78	2.65	2.11	2.63	2.73	-20.3%	24.8%	3.8%
Percent Change	0.0%	0.0%	0.0%	-1.7%	-2.2%	-0.5%	0.0%	0.1%	0.4%	0.5%	0.5%	0.5%	0.0%	-0.6%	-1.0%	0.5%			
U.S. Natural Gas																			
Henry Hub spot (\$ per million Btu)																			
Current	2.00	2.14	2.88	3.04	3.36	3.38	3.41	3.56	3.78	3.68	3.61	3.71	2.63	2.51	3.43	3.70	-4.4%	36.3%	7.8%
Previous	2.00	2.14	2.88	3.04	3.65	3.51	3.47	3.59	3.79	3.71	3.65	3.76	2.63	2.51	3.55	3.73	-4.4%	41.3%	4.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	-7.8%	-3.5%	-1.7%	-1.0%	-0.5%	-0.6%	-1.1%	-1.2%	0.0%	0.0%	-3.5%	-0.8%			
Residential Retail (\$ per thousand cu	ubic feet)																		
Current	8.53	11.16	16.99	10.64	10.09	12.51	16.84	11.01	10.17	12.77	17.16	11.27	10.36	10.19	11.21	11.37	-1.7%	10.0%	1.4%
Previous	8.53	11.16	16.99	10.96	10.08	12.66	16.89	11.09	10.22	12.79	17.06	11.25	10.36	10.29	11.25	11.40	-0.7%	9.4%	1.3%
Percent Change	0.0%	0.0%	0.0%	-2.9%	0.2%	-1.1%	-0.3%	-0.7%	-0.5%	-0.2%	0.6%	0.2%	0.0%	-0.9%	-0.4%	-0.2%			
U.S. Electric Utilities Fuel Costs (\$ p																			
Coal		,																	
Current	2.13	2.14	2.11	2.12	2.16	2.15	2.19	2.17	2.19	2.19	2.22	2.22	2.23	2.13	2.17	2.21	-4.5%	2.1%	1.6%
Previous	2.13	2.14	2.11	2.13	2.17	2.16	2.20	2.19	2.19	2.19	2.23	2.23	2.23	2.13	2.18	2.21	-4.4%	2.6%	1.5%
Percent Change	0.0%	0.0%	0.0%	-0.4%	-0.5%	-0.6%	-0.4%	-0.8%	-0.2%	-0.4%	-0.4%	-0.6%	0.0%	-0.1%	-0.6%	-0.4%	,		
Natural Gas																			
Current	2.65	2.51	3.00	3.52	4.25	3.88	3.73	4.16	4.66	4.19	3.95	4.35	3.23	2.91	3.97	4.25	-9.9%	36.6%	7.0%
Previous	2.65	2.51	3.00	3.63	4.55	4.01	3.79	4.20	4.68	4.21	3.99	4.40	3.23	2.93	4.10	4.28	-9.2%	39.6%	4.6%
Percent Change	0.0%	0.0%	0.0%	-3.0%	-6.6%	-3.1%	-1.6%	-0.9%	-0.4%	-0.6%	-1.0%	-1.1%	0.0%	-0.8%	-3.0%	-0.8%			
Residual Fuel Oil													0.070						
Current	6.15	8.51	9.70	8.93	9.81	10.75	10.49	10.38	10.27	11.03	10.85	10.90	10.36	8.38	10.36	10.76	-19.2%	23.6%	3.9%
Previous	6.15	8.51	9.70	8.83	9.62	10.55	10.28	10.18	10.08	10.84	10.67	10.72	10.36	8.36	10.15	10.57	-19.4%	21.5%	4.1%
Percent Change	0.0%	0.0%	0.0%	1.2%	2.0%	2.0%	2.0%	2.0%	1.9%	1.7%	1.7%	1.7%	0.0%	0.3%	2.0%	1.7%	, .	2	,0
U.S. Residential Retail Electricity (co				1.270	2.070	2.070	2.070	2.070	1.070	1.770	1.1 /0	1.7.73	0.070	0.070	2.070	1.773			
Current	12.20	12.66	12.81	12.45	12.50	12.92	13.29	12.93	12.98	13.23	13.51	13.19	12.65	12.55	12.93	13.24	-0.8%	3.0%	2.4%
Previous	12.20	12.66	12.81	12.43	12.29	12.92	13.29	12.93	12.86	13.19	13.50	13.19	12.65	12.55	12.84	13.16	-1.1%	2.6%	2.5%
Percent Change	0.0%	0.0%	0.0%	1.3%	1.7%	0.1%	-0.2%	1.2%	0.9%	0.3%	0.0%	1.5%	0.0%	0.3%	0.7%	0.6%	-1.170	2.0/0	۷.5 / 0
r ercent onange	0.070	0.076	0.070	1.0/0	1.1 /0	U. I /0	-U.Z /0	1.2/0	0.370	0.070	0.0 /0	1.0/0	0.070	0.070	U.1 /0	0.070	<u> </u>		

Prices are not adjusted for inflation.

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

Current Forecast: February	77, 2017;			ast: Jan	uary IU												1		
			)16				)17				18				ar	T		Growth Rate	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
World Crude Oil and Liquid Fuels																			
OECD (Organization for Economic																			
Current	26.97	25.88	26.27	26.66	26.40	26.56	26.65	27.23	27.50	27.75	27.76	28.23	26.82	26.44	26.71	27.81	-1.4%	1.0%	4.1%
Previous	26.97	25.88	26.27	26.69	26.49	26.59	26.67	27.19	27.24	27.33	27.31	27.70	26.82	26.45	26.74	27.40	-1.4%	1.1%	2.5%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.1%	-0.1%	0.2%	1.0%	1.5%	1.6%	1.9%	0.0%	0.0%	-0.1%	1.5%			
OPEC (Organization of the Petrole																			
Current	38.32	38.78	39.06	39.91	39.07	39.37	39.81	39.95	39.96	40.29	40.32	40.27	38.03	39.02	39.55	40.21	2.6%	1.4%	1.7%
Previous	38.85	39.38	39.64	40.50	39.88	40.12	40.51	40.58	40.64	40.98	41.12	41.00	38.67	39.60	40.27	40.94	2.4%	1.7%	1.7%
Percent Change	-1.4%	-1.5%	-1.5%	-1.5%	-2.0%	-1.9%	-1.7%	-1.6%	-1.7%	-1.7%	-1.9%	-1.8%	-1.6%	-1.5%	-1.8%	-1.8%			
Non-OPEC Supply																			
Current	58.51	57.71	57.98	58.59	57.71	58.33	58.73	59.13	58.73	59.54	59.77	60.14	58.80	58.20	58.48	59.55	-1.0%	0.5%	1.8%
Previous	57.12	56.30	56.63	57.33	56.56	57.15	57.52	57.79	57.15	57.97	58.14	58.40	57.47	56.85	57.26	57.92	-1.1%	0.7%	1.2%
Percent Change	2.4%	2.5%	2.4%	2.2%	2.0%	2.1%	2.1%	2.3%	2.8%	2.7%	2.8%	3.0%	2.3%	2.4%	2.1%	2.8%			
Total World Supply																			
Current	96.82	96.49	97.04	98.50	96.78	97.70	98.55	99.07	98.69	99.83	100.09	100.40	96.83	97.22	98.03	99.76	0.4%	0.8%	1.8%
Previous	95.98	95.68	96.27	97.83	96.43	97.26	98.02	98.37	97.78	98.95	99.26	99.40	96.14	96.44	97.53	98.86	0.3%	1.1%	1.4%
Percent Change	0.9%	0.8%	0.8%	0.7%	0.4%	0.4%	0.5%	0.7%	0.9%	0.9%	0.8%	1.0%	0.7%	0.8%	0.5%	0.9%			
World Crude Oil and Liquid Fuels	Consumptio	n (million	barrels pe	er day)															
OECD (Organization for Economic	Cooperation	and Devel	opment) C	Consumptio	n														
Current	46.63	45.96	47.21	46.71	47.04	46.38	47.39	47.29	47.33	46.60	47.59	47.51	46.33	46.63	47.03	47.26	0.7%	0.8%	0.5%
Previous	46.75	46.06	47.20	46.82	47.18	46.43	47.40	47.38	47.46	46.71	47.69	47.67	46.41	46.71	47.10	47.39	0.6%	0.8%	0.6%
Percent Change	-0.3%	-0.2%	0.0%	-0.2%	-0.3%	-0.1%	0.0%	-0.2%	-0.3%	-0.2%	-0.2%	-0.3%	-0.2%	-0.2%	-0.1%	-0.3%			
Non-OECD Consumption																			
Current	48.73	50.12	50.25	50.23	49.95	51.34	51.60	51.33	51.25	52.58	52.73	52.57	48.73	49.83	51.06	52.29	2.3%	2.5%	2.4%
Previous	47.51	49.37	49.58	48.98	48.61	50.59	50.99	50.19	49.89	51.82	52.19	51.37	47.73	48.86	50.10	51.32	2.4%	2.5%	2.4%
Percent Change	2.6%	1.5%	1.3%	2.6%	2.8%	1.5%	1.2%	2.3%	2.7%	1.5%	1.1%	2.3%	2.1%	2.0%	1.9%	1.9%			
China Consumption																			
Current	12.20	12.41	12.32	12.59	12.59	12.72	12.64	12.77	12.88	13.02	12.89	13.12	11.98	12.38	12.68	12.98	3.3%	2.4%	2.4%
Previous	11.25	11.87	11.72	11.77	11.54	12.18	12.13	12.07	11.83	12.48	12.43	12.38	11.28	11.65	11.98	12.28	3.3%	2.8%	2.5%
Percent Change	8.5%	4.5%	5.1%	7.0%	9.0%	4.4%	4.3%	5.8%	8.9%	4.3%	3.7%	6.0%	6.2%	6.2%	5.8%	5.7%			
Total World Consumption																			
Current	95.36	96.09	97.46	96.94	96.98	97.72	99.00	98.62	98.58	99.18	100.32	100.08	95.06	96.47	98.09	99.55	1.5%	1.7%	1.5%
Previous	94.27	95.43	96.78	95.80	95.79	97.02	98.39	97.56	97.35	98.54	99.88	99.03	94.14	95.57	97.20	98.71	1.5%	1.7%	1.6%
Percent Change	1.2%	0.7%	0.7%	1.2%	1.3%	0.7%	0.6%	1.1%	1.3%	0.7%	0.4%	1.1%	1.0%	0.9%	0.9%	0.8%			
Closing Stocks (million barrels)																			
OECD Commercial Inventory																			
Current	2,997	3,034	3,052	3,087	3,077	3,093	3,079	3,066	3,072	3,118	3,117	3,107	2,969	3,087	3,066	3,107	4.0%	-0.7%	1.4%
Previous	2,997	3,034	3,054	3,101	3,112	3,141	3,130	3,127	3,144	3,181	3,165	3,158	2,969	3,101	3,127	3,158	4.4%	0.8%	1.0%
Percent Change	0.0%	0.0%	-0.1%	-0.4%	-1.1%	-1.5%	-1.6%	-2.0%	-2.3%	-2.0%	-1.5%	-1.6%	0.0%	-0.4%	-2.0%	-1.6%			
OPEC Surplus Production Capacit	y and World	Macroeco	onomic																
OPEC Surplus Crude Oll Production	-			y)															
Current	1.62	1.25	1.17	1.00	2.06	1.88	1.44	1.39	1.42	1.12	1.10	1.20	1.46	1.26	1.69	1.21	-13.7%	34.3%	-28.6%
Previous	1.62	1.25	1.17	1.00	1.43	1.28	1.10	1.23	1.35	1.08	1.00	1.20	1.46	1.26	1.26	1.16	-13.6%	-0.1%	-8.2%
Percent Change	-0.5%	0.0%	0.0%	0.0%	44.5%	46.2%	31.1%	12.9%	4.9%	3.0%	10.0%	0.0%	0.0%	-0.1%	34.2%	4.3%			
World Oil-Consumption-Weighted		(annualize		change)															
Current	2.14	2.20	2.26	2.42	2.61	2.65	2.72	2.76	2.84	3.04	3.10	3.19	2.61	2.25	2.68	3.04			
	2.09	2.15	2.25	2.39	2.58	2.66	2.73	2.75	2.86	3.01	3.09	3.15	2.54	2.22	2.68	3.03	1		

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

		20	16			20	17			20	18			Υe	ar			Growth Rate	9
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
U.S. Supply (million barrels per day	)																		
U.S. Crude Oil Production																			
Current	9.17	8.85	8.67	8.85	8.88	8.93	8.93	9.18	9.44	9.55	9.45	9.68	9.42	8.88	8.98	9.53	-5.6%	1.1%	6.1%
Previous	9.17	8.85	8.68	8.85	8.92	8.99	8.95	9.16	9.31	9.34	9.19	9.36	9.42	8.89	9.00	9.30	-5.6%	1.3%	3.3%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-0.5%	-0.6%	-0.2%	0.3%	1.4%	2.2%	2.9%	3.4%	0.0%	0.0%	-0.3%	2.5%			
U.S. Natural Gas Plant Liquids Produ	uction																		
Current	3.38	3.57	3.46	3.52	3.48	3.66	3.85	3.98	3.98	4.13	4.24	4.34	3.34	3.49	3.75	4.18	4.3%	7.5%	11.5%
Previous	3.38	3.57	3.46	3.50	3.47	3.62	3.78	3.92	3.91	4.02	4.12	4.22	3.34	3.48	3.70	4.07	4.1%	6.3%	9.9%
Percent Change	0.0%	0.0%	0.0%	0.6%	0.4%	1.2%	1.8%	1.5%	2.0%	2.9%	3.0%	3.0%	0.0%	0.2%	1.3%	2.7%			
U.S. Ethanol Production																			
Current	0.99	0.97	1.01	1.02	1.02	1.00	1.02	1.00	1.03	1.02	1.02	0.98	0.97	1.00	1.01	1.01	3.2%	1.2%	0.2%
Previous	0.99	0.97	1.01	1.01	1.00	1.00	1.02	1.00	1.03	1.02	1.02	0.99	0.97	1.00	1.00	1.02	3.1%	0.9%	1.1%
Percent Change	0.0%	0.0%	0.0%	0.2%	1.7%	-0.2%	0.1%	-0.1%	-0.6%	-0.5%	-0.4%	-0.6%	0.0%	0.1%	0.4%	-0.5%			
U.S. Total Petroleum and Other Liqu	id Fuel Ne	t Imports																	
Current	4.97	4.68	5.15	4.45	4.36	4.66	4.64	3.65	3.75	4.03	4.11	3.24	4.71	4.81	4.32	3.78	2.1%	-10.1%	-12.6%
Previous	4.97	4.68	5.15	4.32	4.36	4.68	4.63	3.72	4.01	4.34	4.48	3.78	4.71	4.78	4.35	4.15	1.5%	-9.0%	-4.5%
Percent Change	0.0%	0.0%	0.0%	2.9%	-0.2%	-0.6%	0.3%	-2.0%	-6.4%	-7.2%	-8.3%	-14.3%	0.0%	0.7%	-0.6%	-8.9%			
J.S. Consumption (million barrels p	er day)																		
U.S. Gasoline																			
Current	9.09	9.44	9.56	9.09	8.92	9.46	9.60	9.17	9.06	9.53	9.62	9.22	9.18	9.29	9.29	9.36	1.3%	-0.1%	0.8%
Previous	9.09	9.44	9.56	9.03	9.04	9.48	9.59	9.18	9.13	9.58	9.66	9.27	9.18	9.28	9.32	9.41	1.1%	0.5%	0.9%
Percent Change	0.0%	0.0%	0.0%	0.7%	-1.3%	-0.2%	0.1%	-0.1%	-0.7%	-0.5%	-0.4%	-0.5%	0.0%	0.2%	-0.4%	-0.5%			
U.S. Distillate																			
Current	3.90	3.80	3.79	3.92	3.95	3.87	3.88	4.03	4.09	3.93	3.97	4.14	4.00	3.85	3.93	4.04	-3.5%	2.1%	2.6%
Previous	3.90	3.80	3.79	3.93	4.05	3.89	3.89	4.05	4.10	3.94	3.98	4.15	4.00	3.86	3.97	4.04	-3.5%	2.9%	1.9%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-2.4%	-0.4%	-0.1%	-0.6%	0.0%	-0.2%	-0.1%	-0.3%	0.0%	0.0%	-0.9%	-0.2%			
U.S. Jet Fuel																			
Current	1.50	1.61	1.68	1.62	1.58	1.62	1.65	1.63	1.55	1.62	1.65	1.64	1.55	1.60	1.62	1.61	3.6%	0.9%	-0.2%
Previous	1.50	1.61	1.68	1.62	1.54	1.62	1.65	1.63	1.55	1.62	1.65	1.63	1.55	1.60	1.61	1.61	3.6%	0.2%	0.3%
Percent Change	0.0%	0.0%	0.0%	0.1%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.6%	0.1%			
U.S. Hydrocarbon Gas Liquids																			
Current	2.73	2.25	2.40	2.65	2.76	2.39	2.55	2.86	2.93	2.60	2.74	3.01	2.55	2.51	2.64	2.82	-1.6%	5.3%	6.8%
Previous	2.73	2.25	2.40	2.70	2.74	2.35	2.51	2.85	2.93	2.57	2.72	3.03	2.55	2.52	2.61	2.81	-1.1%	3.7%	7.7%
Percent Change	0.0%	0.0%	0.0%	-1.9%	0.9%	1.7%	1.7%	0.3%	0.0%	1.0%	0.7%	-0.7%	0.0%	-0.5%	1.1%	0.2%			
U.S. Total Petroleum and Other Liqu	id Fuels																		
Current	19.45	19.42	19.90	19.57	19.47	19.69	20.22	19.98	19.84	20.02	20.52	20.31	19.53	19.58	19.84	20.17	0.3%	1.3%	1.7%
Previous	19.45	19.42	19.90	19.58	19.56	19.67	20.16	20.00	19.90	20.05	20.55	20.39	19.53	19.59	19.85	20.22	0.3%	1.3%	1.9%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-0.5%	0.1%	0.3%	-0.1%	-0.3%	-0.2%	-0.1%	-0.4%	0.0%	0.0%	0.0%	-0.3%			
U.S. Closing Stocks (million barrels)																			
U.S. Crude Oil																			
Current	501.5	498.0	469.1	480.2	509.1	496.0	469.6	456.8	487.7	480.3	458.9	453.6	449.2	480.2	456.8	453.6	6.9%	-4.9%	-0.7%
Previous	501.5	498.0	469.1	478.2	501.0	490.3	465.6	453.9	485.1	478.0	456.8	451.8	449.2	478.2	453.9	451.8	6.4%	-5.1%	-0.5%
Percent Change	0.0%	0.0%	0.0%	0.4%	1.6%	1.2%	0.9%	0.6%	0.5%	0.5%	0.4%	0.4%	0.0%	0.4%	0.6%	0.4%			
U.S. Total Gasoline																			
Current	243.3	242.1	227.0	236.9	238.5	230.5	226.8	241.4	239.3	232.9	228.6	243.9	235.5	236.9	241.4	243.9	0.6%	1.9%	1.0%
Previous	243.3	242.1	227.0	236.1	233.7	229.4	226.6	240.9	237.6	232.0	228.3	243.4	235.5	236.1	240.9	243.4	0.3%	2.0%	1.0%
Percent Change	0.0%	0.0%	0.0%	0.3%	2.1%	0.5%	0.1%	0.2%	0.7%	0.4%	0.1%	0.2%	0.0%	0.3%	0.2%	0.2%	3.070	2.070	070
U.S. Distillate Fuel Oil	0.070	0.070	0.070	0.070	2.170	0.070	0.170	0.270	0.7 70	J770	0.170	U.≟ /U	0.070	0.070	J.2 /U	0.270			
Current	160.6	149.2	160.4	164.1	157.9	160.7	167.4	167.2	152.2	155.9	163.4	163.6	161.3	164.1	167.2	163.6	1.7%	1.9%	-2.2%
Previous	160.6	149.2	160.4	162.0	148.1	151.9	159.3	159.6	144.7	148.8	156.6	157.0	161.3	162.0	159.6	157.0	0.4%	-1.5%	-2.2%
																	0.470	-1.5/0	-1.0/0
Percent Change	0.0%	0.0%	0.0%	1.3%	6.7%	5.8%	5.1%	4.8%	5.2%	4.8%	4.4%	4.2%	0.0%	1.3%	4.8%	4.2%	<u> </u>		

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

Current Forecast: February 7, 2017; Previous Forecast: January 10, 2017

		20	016			20	17			20 <sup>-</sup>	18			Ye	ar			Growth Rate	1
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
U.S. Supply (billion cubic feet per d	ay)																		
U.S. Total Marketed Production																			
Current	78.66	77.52	76.83	76.53	76.92	78.28	79.88	81.14	82.54	83.45	83.98	84.71	78.78	77.38	79.07	83.68	-1.8%	2.2%	5.8%
Previous	78.66	77.52	76.84	76.51	77.66	78.54	79.47	80.60	81.49	81.77	82.37	83.72	78.78	77.38	79.08	82.34	-1.8%	2.2%	4.1%
Percent Change	0.0%	0.0%	0.0%	0.0%	-1.0%	-0.3%	0.5%	0.7%	1.3%	2.0%	2.0%	1.2%	0.0%	0.0%	0.0%	1.6%			
U.S. Federal GOM Marketed Produc	ction																		
Current	3.48	3.34	3.24	3.34	3.35	3.33	3.21	3.22	3.35	3.33	3.21	3.22	3.53	3.35	3.28	3.28	-5.1%	-2.1%	0.0%
Previous	3.48	3.34	3.23	3.30	3.35	3.33	3.21	3.22	3.35	3.33	3.21	3.22	3.53	3.34	3.28	3.28	-5.5%	-1.8%	0.0%
Percent Change	0.0%	0.0%	0.2%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%			
U.S. Lower 48 ex GOM Marketed Pr	roduction																		
Current	74.20	73.32	72.72	72.14	72.57	74.12	75.90	76.99	78.19	79.27	80.00	80.55	74.30	73.09	74.91	79.51	-1.6%	2.5%	6.1%
Previous	74.20	73.32	72.73	72.27	73.33	74.39	75.50	76.45	77.16	77.61	78.40	79.58	74.30	73.13	74.93	78.20	-1.6%	2.5%	4.4%
Percent Change	0.0%	0.0%	0.0%	-0.2%	-1.0%	-0.4%	0.5%	0.7%	1.3%	2.1%	2.0%	1.2%	0.0%	0.0%	0.0%	1.7%			
U.S. Pipeline Gross Imports		0.070											0.070			,			
Current	8.1	7.8	8.1	7.5	8.4	7.8	7.9	7.6	8.6	7.9	8.2	7.7	7.2	7.9	7.9	8.1	9.6%	0.4%	2.3%
Previous	8.1	7.8	8.1	7.3	8.4	7.8	7.9	7.5	8.6	7.9	8.2	7.7	7.2	7.8	7.9	8.1	8.9%	0.9%	2.5%
Percent Change	0.0%	0.0%	0.0%	2.9%	-0.3%	0.0%	0.0%	1.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.7%	0.3%	0.0%	0.570	0.576	2.570
U.S. LNG Gross Imports	0.070	0.070	0.070	2.570	-0.570	0.070	0.070	1.470	0.170	0.070	0.070	0.070	0.070	0.770	0.570	0.070			
	0.33	0.10	0.18	0.25	0.27	0.17	0.18	0.22	0.27	0.17	0.18	0.22	0.25	0.24	0.21	0.21	-4.9%	-12.9%	0.0%
Current		0.19															-4.9% -9.9%		
Previous	0.33	0.19	0.18	0.20	0.27	0.17	0.18	0.22	0.27	0.17	0.18	0.22	0.25	0.23	0.21	0.21	-9.9%	-8.1%	0.0%
Percent Change	0.0%	0.0%	0.0%	25.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.5%	0.0%	0.0%			
U.S. Gross Exports																			
Current	5.78	5.96	6.50	6.99	7.40	7.18	7.64	8.24	9.02	8.93	9.24	10.24	4.89	6.31	7.62	9.36	29.1%	20.7%	22.9%
Previous	5.78	5.96	6.50	7.23	7.43	7.18	7.38	7.73	8.53	8.68	8.85	9.75	4.89	6.37	7.43	8.95	30.4%	16.6%	20.5%
Percent Change	0.0%	0.0%	0.0%	-3.4%	-0.3%	0.0%	3.6%	6.6%	5.8%	2.9%	4.5%	5.1%	0.0%	-1.0%	2.5%	4.6%			
U.S. Consumption (billion cubic fee	t per day)																		
U.S. Residential																			
Current	22.49	7.14	3.48	14.56	23.79	7.24	3.53	14.89	24.55	7.27	3.51	14.80	12.63	11.90	12.31	12.48	-5.8%	3.5%	1.3%
Previous	22.49	7.14	3.48	14.42	24.38	7.26	3.63	15.22	24.41	7.29	3.61	15.29	12.63	11.87	12.57	12.60	-6.0%	6.0%	0.2%
Percent Change	0.0%	0.0%	0.0%	0.9%	-2.4%	-0.3%	-2.9%	-2.2%	0.6%	-0.3%	-3.0%	-3.2%	0.0%	0.3%	-2.1%	-1.0%			
U.S. Commercial																			
Current	13.44	5.98	4.58	10.20	13.96	6.10	4.59	10.61	14.55	6.15	4.62	10.64	8.76	8.54	8.80	8.96	-2.5%	3.0%	1.9%
Previous	13.44	5.98	4.59	9.98	14.58	6.12	4.57	10.55	14.52	6.12	4.58	10.54	8.76	8.49	8.93	8.92	-3.2%	5.2%	-0.1%
Percent Change	0.0%	0.0%	-0.1%	2.2%	-4.2%	-0.3%	0.5%	0.6%	0.2%	0.5%	0.7%	0.9%	0.0%	0.6%	-1.5%	0.5%			
U.S. Industrial																			
Current	22.49	20.06	20.07	21.36	22.75	20.35	19.92	21.65	23.40	20.79	20.37	22.11	20.64	20.99	21.16	21.66	1.7%	0.8%	2.4%
Previous	22.59	20.17	20.22	21.15	22.90	20.31	19.86	21.58	23.30	20.71	20.28	22.02	20.64	21.03	21.16	21.57	1.9%	0.6%	1.9%
Percent Change	-0.4%	-0.5%	-0.7%	1.0%	-0.7%	0.2%	0.3%	0.3%	0.5%	0.4%	0.4%	0.4%	0.0%	-0.2%	0.0%	0.4%			
U.S. Electric Power Sector																			
Current	24.19	27.50	34.91	23.07	22.37	25.76	32.47	23.64	23.54	26.41	33.34	24.10	26.34	27.43	26.08	26.87	4.1%	-4.9%	3.0%
Previous	24.19	27.50	34.91	23.17	22.42	25.83	32.65	23.98	23.43	26.54	33.46	24.32	26.34	27.45	26.24	26.96	4.2%	-4.4%	2.7%
Percent Change	0.0%	0.0%	0.0%	-0.4%	-0.2%	-0.3%	-0.6%	-1.4%	0.5%	-0.5%	-0.4%	-0.9%	0.0%	-0.1%	-0.6%	-0.3%	7.2 /0	-4.470	2.7 /0
U.S. Total Consumption	0.070	0.070	0.070	-0.470	-0.270	-0.570	-0.070	-1.470	0.570	-0.570	-0.470	-0.570	0.070	-0.170	-0.070	-0.570			
0 1	89.23	66.69	69.08	75.38	89.41	65.51	66.72	77.31	93.07	67.10	68.41	78.56	74.65	75.08	74.68	76.72	0.6%	0.5%	2 70/
Current																		-0.5%	2.7%
Previous  Percent Change	89.33 -0.1%	66.79	69.24	74.99	91.05	65.71	67.01 -0.4%	77.97	92.77	67.16	68.54	79.17	74.65	75.07 0.0%	75.37 -0.9%	76.85	0.6%	0.4%	2.0%
Percent Change		-0.2%	-0.2%	0.5%	-1.8%	-0.3%	-0.4%	-0.8%	0.3%	-0.1%	-0.2%	-0.8%	0.0%	0.0%	-0.9%	-0.2%			
U.S. Working Gas in Storage (billion			2 747	2 224	1 070	2 667	2 427	2 1 4 2	1 604	2 507	2 204	2.070	2 675	2 224	2 1 12	2.070	0.69/	E 40/	2.40/
Current	2,496	3,197	3,717	3,324	1,872	2,667	3,437	3,143	1,681	2,587	3,394	3,078	3,675	3,324	3,143	3,078	-9.6%	-5.4%	-2.1%
Previous	2,496	3,197	3,717	3,326	1,745	2,581	3,367	3,068	1,559	2,419	3,212	2,934	3,675	3,326	3,068	2,934	-9.5%	-7.8%	-4.4%
Percent Change	0.0%	0.0%	0.0%	-0.1%	7.3%	3.3%	2.1%	2.4%	7.9%	7.0%	5.7%	4.9%	0.0%	-0.1%	2.4%	4.9%			
U.S. Balancing Item (billion cubic fe			nption - Su																
Current	-0.43	-0.11	0.94	-1.18	0.04	0.38	0.05	-1.17	0.00	0.13	-0.13	-1.38	-0.75	-0.20	-0.18	-0.35			
Previous	-0.33	-0.01	1.08	-1.08	-0.52	0.69	0.55	-0.54	-0.43	0.91	0.87	0.00	-0.75	-0.08	0.05	0.34			

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

Current Forecast: February 7, 2017; Previous Forecast: January 10, 2017

		20	)16			20	17			20	18			Υe	ear			Growth Rate	•
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
U.S. Electricity Generation, All Sect	ors (thous	and mega	watthours	per day)															
U.S. Total Generation																			
Current	10,663	10,753	12,760	10,410	10,675	10,805	12,470	10,570	11,069	10,900	12,575	10,664	11,172	11,149	11,133	11,304	-0.2%	-0.1%	1.5%
Previous	10,663	10,753	12,760	10,450	10,879	10,818	12,477	10,675	11,004	10,923	12,591	10,749	11,172	11,159	11,215	11,320	-0.1%	0.5%	0.9%
Percent Change	0.0%	0.0%	0.0%	-0.4%	-1.9%	-0.1%	-0.1%	-1.0%	0.6%	-0.2%	-0.1%	-0.8%	0.0%	-0.1%	-0.7%	-0.1%			
U.S. Coal																			
Current	3,058	2,965	4,203	3,317	3,391	3,102	4,065	3,361	3,561	3,086	3,995	3,355	3,705	3,388	3,482	3,500	-8.6%	2.8%	0.5%
Previous	3,058	2,965	4,203	3,336	3,690	3,267	4,110	3,489	3,600	3,171	4,056	3,485	3,705	3,393	3,640	3,579	-8.4%	7.3%	-1.7%
Percent Change	0.0%	0.0%	0.0%	-0.6%	-8.1%	-5.0%	-1.1%	-3.6%	-1.1%	-2.7%	-1.5%	-3.8%	0.0%	-0.1%	-4.3%	-2.2%			
U.S. Natural gas																			
Current	3,429	3,767	4,700	3,265	3,164	3,537	4,389	3,322	3,312	3,612	4,491	3,378	3,653	3,791	3,605	3,701	3.8%	-4.9%	2.6%
Previous	3,429	3,767	4,700	3,267	3,169	3,542	4,408	3,364	3,293	3,624	4,502	3,404	3,653	3,792	3,623	3,708	3.8%	-4.4%	2.3%
Percent Change	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.4%	-1.3%	0.6%	-0.3%	-0.2%	-0.7%	0.0%	0.0%	-0.5%	-0.2%			
U.S. Petroleum																			
Current	68	63	72	61	71	67	75	64	77	68	77	66	77	66	69	72	-14.8%	4.8%	4.4%
Previous	68	63	72	56	74	68	75	65	77	69	78	67	77	65	71	73	-16.5%	9.2%	3.0%
Percent Change	0.0%	0.0%	0.0%	9.7%	-4.3%	-1.6%	-0.5%	-1.8%	0.2%	-0.9%	-0.6%	-1.7%	0.0%	2.1%	-2.0%	-0.7%			
U.S. Nuclear																			
Current	2,245	2,155	2,253	2,144	2,219	2,035	2,268	2,125	2,168	2,002	2,231	2,090	2,184	2,199	2,162	2,123	0.7%	-1.7%	-1.8%
Previous	2,245	2,155	2,253	2,148	2,209	2,040	2,274	2,131	2,168	2,002	2,231	2,090	2,184	2,200	2,164	2,123	0.7%	-1.7%	-1.9%
Percent Change	0.0%	0.0%	0.0%	-0.2%	0.4%	-0.3%	-0.3%	-0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%			
U.S. Conventional Hydroelectric																			
Current	841	810	618	618	734	894	709	592	753	854	734	606	682	721	732	736	5.7%	1.5%	0.6%
Previous	841	810	618	642	709	806	704	592	743	854	734	597	682	727	703	732	6.6%	-3.4%	4.2%
Percent Change	0.0%	0.0%	0.0%	-3.8%	3.5%	11.0%	0.8%	0.0%	1.3%	0.0%	0.0%	1.4%	0.0%	-0.8%	4.2%	0.6%			
U.S. Other Renewables																			
Current	958	933	866	952	1,029	1,106	903	1,048	1,128	1,214	986	1,109	809	927	1,021	1,109	14.6%	10.2%	8.6%
Previous	958	933	866	948	963	1,033	847	977	1,057	1,140	930	1,047	809	926	955	1,043	14.5%	3.1%	9.3%
Percent Change	0.0%	0.0%	0.0%	0.3%	6.9%	7.1%	6.6%	7.2%	6.7%	6.5%	5.9%	5.9%	0.0%	0.1%	7.0%	6.3%			
U.S. Electricity Sales (million kilowa	atthours pe	r day)																	
U.S. Residential																			
Current	3,810	3,373	4,771	3,429	3,838	3,423	4,566	3,451	3,996	3,450	4,606	3,476	3,847	3,847	3,821	3,882	0.0%	-0.7%	1.6%
Previous	3,810	3,373	4,771	3,429	3,948	3,417	4,558	3,467	3,984	3,450	4,606	3,496	3,847	3,847	3,848	3,885	0.0%	0.0%	0.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	-2.8%	0.2%	0.2%	-0.5%	0.3%	0.0%	0.0%	-0.6%	0.0%	0.0%	-0.7%	-0.1%			
U.S. Commercial																			
Current	3,494	3,616	4,201	3,570	3,555	3,647	4,139	3,575	3,600	3,672	4,171	3,600	3,728	3,721	3,730	3,762	-0.2%	0.3%	0.8%
Previous	3,494	3,616	4,201	3,556	3,551	3,642	4,134	3,564	3,569	3,670	4,168	3,589	3,728	3,717	3,724	3,750	-0.3%	0.2%	0.7%
Percent Change	0.0%	0.0%	0.0%	0.4%	0.1%	0.1%	0.1%	0.3%	0.9%	0.1%	0.1%	0.3%	0.0%	0.1%	0.2%	0.3%			
U.S. Industrial																			
Current	2,480	2,574	2,699	2,536	2,629	2,673	2,796	2,623	2,640	2,687	2,811	2,633	2,703	2,573	2680.61	2,693	-4.8%	4.2%	0.5%
Previous	2,480	2,574	2,699	2,592	2,552	2,655	2,786	2,661	2,572	2,669	2,795	2,670	2,703	2,587	2,664	2,677	-4.3%	3.0%	0.5%
Percent Change	0.0%	0.0%	0.0%	-2.2%	3.0%	0.7%	0.4%	-1.4%	2.7%	0.7%	0.6%	-1.4%	0.0%	-0.5%	0.6%	0.6%			
U.S. Total																			
Current	9,805	9,583	11,692	9,556	10,045	9,764	11,524	9,671	10,259	9,830	11,610	9,730	10,299	10,161	10,253	10,359	-1.3%	0.9%	1.0%
Previous	9,805	9,583	11,692	9,598	10,074	9,736	11,499	9,714	10,147	9,810	11,592	9,778	10,299	10,172	10,258	10,334	-1.2%	0.8%	0.7%
Percent Change	0.0%	0.0%	0.0%	-0.4%	-0.3%	0.3%	0.2%	-0.4%	1.1%	0.2%	0.2%	-0.5%	0.0%	-0.1%	0.0%	0.2%			

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

		20	16			20	17			20	18			Υe	ear		1	<b>Growth Rate</b>	)
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
U.S. Coal (million short tons)																			
U.S. Production																			
Current	173.0	160.5	195.1	210.0	196.4	168.6	203.0	194.5	192.9	171.2	202.3	206.5	897	739	762	773	-17.6%	3.2%	1.4%
Previous	173.0	160.5	195.1	210.0	203.0	176.9	206.8	203.2	195.3	175.9	206.3	214.1	897	739	790	792	-17.6%	6.9%	0.2%
Percent Change	0.0%	0.0%	0.0%	0.0%	-3.2%	-4.7%	-1.8%	-4.3%	-1.2%	-2.7%	-1.9%	-3.5%	0.0%	0.0%	-3.5%	-2.4%			
U.S. Exports																			
Current	14.2	14.2	12.6	18.3	14.5	13.3	11.7	11.6	11.2	13.0	12.0	13.4	74.0	59.3	51.1	49.7	-19.9%	-13.8%	-2.8%
Previous	14.2	14.2	12.6	15.2	12.8	14.0	13.5	14.2	11.8	14.0	13.3	14.7	74.0	56.2	54.4	53.8	-24.0%	-3.2%	-1.0%
Percent Change	0.0%	0.0%	0.0%	20.2%	13.3%	-4.5%	-13.3%	-18.1%	-5.1%	-6.9%	-9.3%	-9.0%	0.0%	5.5%	-6.0%	-7.7%			
U.S. Imports																			
Current	2.7	2.3	2.7	2.6	2.1	2.4	3.3	2.9	2.2	2.4	3.3	2.9	11.3	10.3	10.7	10.8	-9.2%	3.9%	0.9%
Previous	2.7	2.3	2.7	2.5	2.1	2.4	3.3	2.9	2.2	2.4	3.3	2.9	11.3	10.2	10.7	10.8	-9.5%	4.0%	1.2%
Percent Change	0.0%	0.0%	0.0%	1.7%	1.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.3%	0.0%			
U.S. Electric Power Demand																			
Current	152.2	147.1	210.3	168.3	165.3	152.8	203.4	169.7	172.8	152.3	200.3	169.6	738	678	691	695	-8.2%	2.0%	0.6%
Previous	152.2	147.1	210.3	169.1	178.8	160.3	205.2	175.8	174.4	156.1	203.0	176.0	738	679	720	710	-8.1%	6.1%	-1.5%
Percent Change	0.0%	0.0%	0.0%	-0.4%	-7.5%	-4.7%	-0.9%	-3.5%	-0.9%	-2.4%	-1.3%	-3.6%	0.0%	-0.1%	-4.0%	-2.0%			
U.S. Secondary Stocks																			
Current	198.4	189.1	166.2	178.3	182.7	178.0	161.0	165.1	163.9	161.3	146.1	157.8	202.6	178.3	165.1	157.8	-12.0%	-7.4%	-4.4%
Previous	199.0	190.6	166.2	178.5	180.2	175.7	158.8	162.9	161.8	159.2	144.1	155.8	202.6	178.5	162.9	155.8	-11.9%	-8.7%	-4.4%
Percent Change	-0.3%	-0.8%	0.0%	-0.1%	1.3%	1.3%	1.4%	1.3%	1.3%	1.3%	1.4%	1.3%	0.0%	-0.1%	1.3%	1.3%			
J.S. Carbon Dioxide Emissions																			
Petroleum																			
Current	571.4	571.5	588.6	579.8	564.3	577.1	593.2	582.7	571.3	581.6	598.3	589.8	2,295	2,311	2,317	2,341	0.7%	0.3%	1.0%
Previous	571.3	571.4	588.5	581.8	567.8	576.8	591.7	585.0	573.0	583.0	599.2	593.4	2,295	2,313	2,321	2,349	0.8%	0.4%	1.2%
Percent Change	0.0%	0.0%	0.0%	-0.3%	-0.6%	0.1%	0.3%	-0.4%	-0.3%	-0.2%	-0.2%	-0.6%	0.0%	-0.1%	-0.2%	-0.3%			
Coal																			
Current	308.3	297.0	414.8	342.8	332.0	307.6	403.0	340.5	346.9	308.1	398.4	341.1	1480.2	1362.8	1383.1	1394.5	-7.9%	1.5%	0.8%
Previous	311.2	298.1	414.8	338.5	356.8	321.5	406.5	351.8	349.9	315.0	403.1	352.4	1480.2	1362.5	1436.6	1420.4	-8.0%	5.4%	-1.1%
Percent Change	-0.9%	-0.3%	0.0%	1.3%	-6.9%	-4.3%	-0.9%	-3.2%	-0.8%	-2.2%	-1.2%	-3.2%	0.0%	0.0%	-3.7%	-1.8%			
Natural Gas																			
Current	439.5	327.6	343.1	374.5	435.6	321.6	331.3	384.1	453.4	329.4	339.7	390.3	1472.6	1484.7	1472.6	1512.8	0.8%	-0.8%	2.7%
Previous	439.8	328.1	343.8	373.8	443.4	322.7	332.7	387.5	451.8	329.8	340.3	393.5	1472.6	1485.6	1486.3	1515.3	0.9%	0.0%	2.0%
Percent Change	-0.1%	-0.2%	-0.2%	0.2%	-1.8%	-0.3%	-0.4%	-0.9%	0.4%	-0.1%	-0.2%	-0.8%	0.0%	-0.1%	-0.9%	-0.2%			
Total Fossil Fuel																			
Current	1319.2	1196.1	1346.4	1294.8	1331.9	1206.3	1327.6	1307.3	1371.6	1219.1	1336.3	1321.2	5,248	5,157	5,173	5,248	-1.7%	0.3%	1.5%
Previous	1322.3	1197.7	1347.1	1294.1	1368.0	1220.9	1331.0	1324.4	1374.7	1227.7	1342.7	1339.3	5,248	5,161	5,244	5,284	-1.6%	1.6%	0.8%
Percent Change	-0.2%	-0.1%	0.0%	0.1%	-2.6%	-1.2%	-0.3%	-1.3%	-0.2%	-0.7%	-0.5%	-1.4%	0.0%	-0.1%	-1.4%	-0.7%			

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

Current Forecast: February 7	<u> </u>		16				17			20	18			Υe	ear			Growth Rate	<del></del>
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2015	2016	2017	2018	2015-2016	2016-2017	2017-2018
U.S. Renewable Energy Consumption	n, All Sect	ors (quad	rillion btu	)															•
U.S. Wind Power																			
Current	0.575	0.529	0.452	0.565	0.597	0.614	0.436	0.624	0.666	0.680	0.481	0.665	1.812	2.120	2.272	2.492	17.0%	7.1%	9.7%
Previous	0.575	0.529	0.452	0.566	0.557	0.576	0.409	0.578	0.620	0.639	0.454	0.625	1.812	2.122	2.120	2.338	17.1%	-0.1%	10.3%
Percent Change	0.0%	0.0%	0.0%	-0.3%	7.1%	6.7%	6.5%	8.0%	7.4%	6.4%	6.0%	6.4%	0.0%	-0.1%	7.1%	6.6%			
U.S. Wood Biomass																			
Current	0.494	0.475	0.493	0.486	0.479	0.466	0.489	0.485	0.480	0.471	0.497	0.492	2.043	1.949	1.919	1.940	-4.6%	-1.5%	1.1%
Previous	0.494	0.475	0.493	0.491	0.484	0.475	0.498	0.493	0.486	0.476	0.499	0.494	2.043	1.953	1.950	1.956	-4.4%	-0.2%	0.3%
Percent Change	0.0%	0.0%	0.0%	-0.9%	-1.0%	-1.9%	-1.7%	-1.7%	-1.1%	-1.1%	-0.6%	-0.6%	0.0%	-0.2%	-1.6%	-0.8%			
U.S. Solar Power																			
Current	0.109	0.165	0.181	0.127	0.139	0.231	0.230	0.151	0.165	0.272	0.270	0.174	0.427	0.582	0.751	0.881	36.2%	29.1%	17.2%
Previous	0.109	0.165	0.181	0.122	0.125	0.211	0.212	0.141	0.154	0.254	0.254	0.164	0.427	0.577	0.689	0.826	35.0%	19.4%	20.0%
Percent Change	0.0%	0.0%	0.0%	4.3%	11.0%	9.5%	8.6%	7.6%	6.9%	7.0%	6.4%	6.1%	0.0%	0.9%	9.1%	6.6%			
U.S. Ethanol																			
Current	0.287	0.295	0.305	0.298	0.283	0.301	0.309	0.295	0.284	0.302	0.308	0.296	1.148	1.185	1.188	1.191	3.3%	0.2%	0.2%
Previous	0.287	0.295	0.305	0.299	0.283	0.302	0.309	0.295	0.286	0.304	0.309	0.298	1.148	1.186	1.188	1.197	3.3%	0.2%	0.7%
Percent Change	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.2%	0.1%	-0.1%	-0.7%	-0.5%	-0.4%	-0.6%	0.0%	0.0%	-0.1%	-0.5%			
U.S. Biodiesel																			
Current	0.051	0.066	0.088	0.084	0.059	0.071	0.086	0.087	0.072	0.078	0.089	0.091	0.215	0.289	0.304	0.330	34.5%	4.9%	8.6%
Previous	0.051	0.066	0.088	0.078	0.059	0.071	0.086	0.087	0.072	0.078	0.089	0.091	0.215	0.283	0.304	0.330	31.7%	7.1%	8.6%
Percent Change	0.0%	0.0%	0.0%	7.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%			
U.S. Renewable Electric Power Sector	r Generat	ion Capac	ity (MW)																
Wind Power																			
Current	73,305	74,185	74,737	81,408	82,056	82,858	83,541	90,772	91,118	91,281	91,941	94,266	72,486	81,408	90,772	94,266	12.3%	11.5%	3.8%
Previous	73,305	74,185	74,737	76,039	76,997	77,719	78,326	84,889	85,234	85,985	86,645	89,210	72,486	76,039	84,889	89,210	4.9%	11.6%	5.1%
Percent Change	0.0%	0.0%	0.0%	7.1%	6.6%	6.6%	6.7%	6.9%	6.9%	6.2%	6.1%	5.7%	0.0%	7.1%	6.9%	5.7%			
Wood Biomass																			
Current	3,185	3,187	3,169	3,177	3,177	3,177	3,219	3,219	3,219	3,313	3,313	3,313	3,183	3,177	3,219	3,313	-0.2%	1.3%	2.9%
Previous	3,185	3,187	3,169	3,176	3,176	3,218	3,218	3,218	3,218	3,313	3,313	3,313	3,183	3,176	3,218	3,313	-0.2%	1.3%	2.9%
Percent Change	0.0%	0.0%	0.0%	0.0%	0.0%	-1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
Solar Power																			
Current	14,021	14,783	17,173	21,696	22,313	23,481	23,934	28,141	28,591	28,791	29,094	29,754	13,374	21,696	28,141	29,754	62.2%	29.7%	5.7%
Previous	14,017	14,779	17,189	18,046	18,851	20,035	20,467	24,800	25,250	25,450	25,870	26,547	13,374	18,046	24,800	26,547	34.9%	37.4%	7.0%
Percent Change	0.0%	0.0%	-0.1%	20.2%	18.4%	17.2%	16.9%	13.5%	13.2%	13.1%	12.5%	12.1%	0.0%	20.2%	13.5%	12.1%			

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