Table 9a. U.S. Macroeconomic Indicators and CO₂ Emissions

U.S. Energy Information Administration | Short-Term Energy Outlook - February 2017

O.O. Energy Information Administration	2016			2017				2018				Vaca			
	1st	201 2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2016	Year 2017	2018
Macroeconomic	101	Z.I.G	ora		101	Liiu	ora	4611	101	2.10	O. G		2010	2011	
Real Gross Domestic Product															
(billion chained 2009 dollars - SAAR)	16,525	16,583	16,727	16,788	16,885	16,982	17.082	17,175	17,304	17, <i>4</i> 22	17,540	17,647	16,656	17,031	17,478
Real Personal Consumption Expend.	.0,020	. 0,000		. 0,. 00	70,000	.0,002	,002	,	,	,	,0.0	,	10,000	,	,
(billion chained 2009 dollars - SAAR)	11,365	11,485	11,569	11,641	11,726	11,792	11,873	11,948	12,054	12,157	12,256	12,350	11,515	11,835	12,204
Real Fixed Investment	,	,	,	,	,.20	,. 02	,0.0	,	.2,007	12,101	12,200	.2,000	,	,000	.2,20.
(billion chained 2009 dollars - SAAR)	2,787	2,779	2,779	2,819	2,856	2,895	2,927	2,958	2,986	3,014	3,048	3,078	2,791	2,909	3.031
Business Inventory Change	2,101	2,110	2,110	2,010	2,000	2,000	2,027	2,000	2,000	0,011	0,010	0,070	2,701	2,000	0,001
(billion chained 2009 dollars - SAAR)	42	-15	4	4	-14	-5	3	16	36	55	67	69	9	0	57
Real Government Expenditures			•	•		O	J	70	00	00	01	00	•	Ü	01
(billion chained 2009 dollars - SAAR)	2,913	2,901	2,906	2,914	2,920	2,927	2,929	2,929	2,935	2,939	2,946	2,947	2,909	2,926	2,942
Real Exports of Goods & Services	_,0.0	_,	_,000	_,	2,020	2,027	2,020	2,020	2,000	2,000	2,070	2,0	_,000	2,020	2,0 12
(billion chained 2009 dollars - SAAR)	2,102	2,111	2,162	2,140	2,149	2,162	2,178	2,189	2,200	2,213	2,229	2,248	2,129	2,170	2,223
Real Imports of Goods & Services	2,102	_,	2,102	2,140	2,110	2,102	2,170	2,100	2,200	2,210	2,220	2,2 10	2,120	2,110	2,220
(billion chained 2009 dollars - SAAR)	2,668	2,670	2,684	2,719	2,743	2,781	2,821	2,859	2,901	2,952	3,004	3,046	2,685	2,801	2.976
Real Disposable Personal Income	2,000	2,070	2,004	2,713	2,740	2,701	2,021	2,000	2,301	2,302	3,004	3,040	2,000	2,001	2,370
(billion chained 2009 dollars - SAAR)	12,556	12,647	12,729	12,777	12,845	12,963	13,062	13,162	13,365	13,485	13,590	13,692	12,677	13,008	13,533
Non-Farm Employment	12,330	12,047	12,123	12,777	12,040	12,903	13,002	13,102	13,300	13,400	13,390	13,032	12,077	13,000	13,000
(millions)	. 143.5	144.0	144.6	145.1	145.6	146.0	146.4	146.7	147.2	147.7	148.2	148.7	144.3	146.2	148.0
Civilian Unemployment Rate	. 143.3	144.0	144.0	143.1	140.0	140.0	140.4	140.7	147.2	147.7	140.2	140.7	144.3	140.2	140.0
(percent)	4.9	4.9	4.9	4.7	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.1	4.9	4.6	4.3
Housing Starts	4.3	4.3	4.5	4.7	4.7	4.0	4.0	4.5	4.4	4.5	4.2	4.1	4.3	4.0	4.5
(millions - SAAR)	. 1.15	1.16	1.14	1.21	1.18	1.20	1.25	1.28	1.29	1.31	1.32	1.34	1.17	1.23	1.32
(millions - Grant)	. 1.13	10	1.14	1.21	1.10	1.20	1.20	1.20	1.23	1.51	1.02	7.54	1.17	1.25	1.02
Industrial Production Indices (Index, 2012=1	00)														
Total Industrial Production	•	103.9	104.4	104.2	104.9	105.2	106.1	106.8	107.7	108.6	109.5	110.2	104.2	105.8	109.0
Manufacturing		103.6	103.8	104.1	104.4	104.6	105.4	106.1	107.0	107.8	108.8	109.5	103.8	105.1	108.3
Food		104.8	105.4	105.2	105.7	106.3	106.9	107.6	108.2	108.9	109.5	110.2	104.9	106.6	109.2
Paper		95.6	95.5	96.7	95.3	94.6	94.6	94.7	94.9	95.0	95.1	95.3	96.1	94.8	95.1
Petroleum and Coal Products		105.5	104.8	106.4	106.3	106.6	107.2	107.7	108.2	108.6	109.1	109.6	105.8	106.9	108.9
Chemicals		98.3	97.1	97.3	97.6	98.0	98.8	99.7	100.6	101.5	102.6	103.8	98.0	98.5	102.1
Nonmetallic Mineral Products		115.6	113.9	115.7	116.9	117.8	119.0	120.2	121.3	122.3	123.4	124.2	115.6	118.5	122.8
Primary Metals		95.7	92.8	92.4	92.6	92.4	93.0	93.6	94.1	94.4	95.1	95.9	93.9	92.9	94.9
Coal-weighted Manufacturing (a)		102.2	101.0	101.6	101.7	101.8	102.6	103.4	104.1	104.7	105.5	106.4	101.9	102.4	105.2
Distillate-weighted Manufacturing (a)		105.7	105.1	106.1	106.4	106.8	107.6	108.3	109.0	109.7	110.4	111.2	105.8	107.3	110.1
Electricity-weighted Manufacturing (a)		103.0	102.6	103.0	103.0	103.1	103.9	104.8	105.6	106.4	107.4	108.4	103.0	103.7	107.0
Natural Gas-weighted Manufacturing (a)		103.5	103.3	103.8	103.9	104.2	105.2	106.3	107.3	108.3	109.4	110.7	103.8	104.9	108.9
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Price Indexes															
Consumer Price Index (all urban consumers)															
(index, 1982-1984=1.00)	2.38	2.39	2.40	2.42	2.44	2.45	2.46	2.48	2.49	2.50	2.52	2.53	2.40	2.46	2.51
Producer Price Index: All Commodities															
(index, 1982=1.00)	. 1.83	1.85	1.86	1.89	1.92	1.92	1.92	1.93	1.94	1.96	1.96	1.98	1.85	1.92	1.96
Producer Price Index: Petroleum															
(index, 1982=1.00)	. 1.21	1.46	1.53	1.63	1.71	1.77	1.79	1.73	1.71	1.83	1.85	1.82	1.45	1.75	1.80
GDP Implicit Price Deflator												-			
(index, 2009=100)	110.6	111.3	111.7	112.2	113.1	113.6	114.3	114.9	115.5	116.1	116.7	117.3	111.4	114.0	116.4
,															
Miscellaneous															
Vehicle Miles Traveled (b)															
(million miles/day)	. 8,202	9,158	9,075	8,711	8,210	9,269	9,162	8,808	8,429	9,394	9,285	8,945	8,787	8,865	9,015
Air Travel Capacity															
(Available ton-miles/day, thousands)	548	603	609	578	567	594	595	579	571	597	600	588	585	584	589
Aircraft Utilization															
(Revenue ton-miles/day, thousands)	. 326	366	375	356	341	362	368	359	344	368	373	364	356	358	362
Airline Ticket Price Index															
(index, 1982-1984=100)	281.8	305.0	273.0	271.9	281.1	308.9	288.5	297.6	299.4	324.0	300.5	308.4	282.9	294.0	308.1
Raw Steel Production															
(million short tons per day)	0.238	0.247	0.238	0.230	0.242	0.240	0.211	0.178	0.227	0.231	0.212	0.173	0.239	0.217	0.210
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Carbon Dioxide (CO ₂) Emissions (million metric tons)															
Petroleum	571	572	589	580	564	577	593	583	571	582	598	590	2,311	2,317	2,341
Natural Gas		328	343	374	436	322	331	384	453	329	340	390	1,485	1,473	1,513
Coal	308	297	415	343	332	308	403	341	347	308	398	341	1,363	1,383	1,395
Total Energy (c)	. 1,322	1,199	1,349	1,298	1,335	1,209	1,330	1,310	1,374	1,222	1,339	1,324	5,168	5,185	5,260
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^{- =} no data available

SAAR = Seasonally-adjusted annual rate

⁽a) Fuel share weights of individual sector indices based on EIAManufacturing Energy Consumption Survey.

⁽b) Total highway travel includes gasoline and diesel fuel vehicles.

⁽c) Includes electric power sector use of geothermal energy and non-biomass waste.

Notes: The approximate break between historical and forecast values is shown with historical data printed in bold; estimates and forecasts in italics.

Historical data: Latest data available from U.S. Department of Commerce, Bureau of Economic Analysis; Federal Reserve System, Statistical release G17; Federal Highway Administration; and Federal Aviation Administration. Minor discrepancies with published historical data are due to independent rounding.

Projections: EIA Regional Short-Term Energy Model. Macroeconomic projections are based on Global Insight Model of the U.S. Economy.