

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

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

	2016				2017				2018				Year		
	1st	2nd	3rd	4th	1st	2nd	3rd	4th	1st	2nd	3rd	4th	2016	2017	2018
Macroeconomic															
Real Gross Domestic Product (billion chained 2009 dollars - SAAR)	16,525	16,583	16,727	16,813	16,842	16,984	17,107	17,212	17,320	17,421	17,527	17,632	16,662	17,036	17,475
Real Personal Consumption Expend. (billion chained 2009 dollars - SAAR)	11,365	11,485	11,569	11,670	11,680	11,776	11,853	11,924	12,023	12,117	12,207	12,300	11,522	11,808	12,162
Real Fixed Investment (billion chained 2009 dollars - SAAR)	2,787	2,779	2,779	2,799	2,869	2,898	2,932	2,974	3,000	3,028	3,054	3,080	2,786	2,918	3,041
Business Inventory Change (billion chained 2009 dollars - SAAR)	42	-15	4	52	9	7	12	22	22	34	44	50	21	12	37
Real Government Expenditures (billion chained 2009 dollars - SAAR)	2,913	2,901	2,906	2,908	2,895	2,904	2,915	2,926	2,933	2,941	2,947	2,947	2,907	2,910	2,942
Real Exports of Goods & Services (billion chained 2009 dollars - SAAR)	2,102	2,111	2,162	2,137	2,168	2,177	2,193	2,204	2,213	2,221	2,236	2,254	2,128	2,185	2,231
Real Imports of Goods & Services (billion chained 2009 dollars - SAAR)	2,668	2,670	2,684	2,742	2,770	2,765	2,785	2,825	2,859	2,910	2,953	2,992	2,691	2,786	2,928
Real Disposable Personal Income (billion chained 2009 dollars - SAAR)	12,556	12,647	12,738	12,801	12,834	12,949	13,039	13,129	13,313	13,424	13,526	13,638	12,686	12,988	13,475
Non-Farm Employment (millions)	143.4	144.0	144.7	145.2	145.7	146.2	146.7	147.1	147.4	147.8	148.1	148.4	144.3	146.4	147.9
Civilian Unemployment Rate (percent)	4.9	4.9	4.9	4.7	4.7	4.4	4.4	4.4	4.3	4.2	4.2	4.1	4.9	4.5	4.2
Housing Starts (millions - SAAR)	1.15	1.16	1.14	1.25	1.25	1.25	1.28	1.30	1.32	1.33	1.35	1.36	1.18	1.27	1.34
Industrial Production Indices (Index, 2012=100)															
Total Industrial Production	103.1	102.9	103.1	103.3	103.7	104.8	105.6	106.3	107.0	107.5	108.2	109.0	103.1	105.1	107.9
Manufacturing	102.9	102.6	102.7	103.1	103.8	104.1	104.7	105.4	106.1	106.5	107.1	108.0	102.8	104.5	106.9
Food	107.0	107.7	108.3	107.5	110.3	109.6	110.1	110.6	111.2	111.8	112.4	113.1	107.6	110.1	112.1
Paper	96.1	95.3	95.0	96.7	96.4	96.4	96.6	96.7	96.5	96.3	96.2	96.3	95.8	96.5	96.3
Petroleum and Coal Products	100.0	100.9	101.4	101.4	103.8	103.6	104.1	104.8	105.4	106.0	106.7	107.5	100.9	104.1	106.4
Chemicals	98.8	98.0	97.1	98.1	97.9	99.5	100.2	101.1	101.8	102.5	103.5	104.6	98.0	99.7	103.1
Nonmetallic Mineral Products	113.6	112.2	111.0	112.3	115.9	115.3	116.2	117.4	118.7	120.0	121.2	122.2	112.3	116.2	120.5
Primary Metals	94.8	95.0	92.1	92.8	96.6	94.8	95.0	95.8	95.9	96.0	96.4	97.3	93.7	95.5	96.4
Coal-weighted Manufacturing (a)	100.8	100.3	99.4	100.2	102.6	102.2	102.8	103.6	104.0	104.5	105.2	106.1	100.2	102.8	105.0
Distillate-weighted Manufacturing (a)	105.6	105.5	105.1	106.2	108.2	108.3	108.9	109.7	110.4	111.1	111.8	112.6	105.6	108.8	111.5
Electricity-weighted Manufacturing (a)	101.5	101.2	100.9	101.6	103.2	103.4	104.0	104.9	105.6	106.2	106.9	108.0	101.3	103.9	106.7
Natural Gas-weighted Manufacturing (a)	100.8	100.5	100.5	101.4	103.2	103.4	104.2	105.3	106.0	106.8	107.7	109.0	100.8	104.0	107.4
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	2.47	2.49	2.50	2.51	2.53	2.40	2.46	2.51
Producer Price Index: All Commodities (index, 1982=1.00)	1.84	1.85	1.85	1.88	1.93	1.93	1.94	1.95	1.97	1.98	1.98	2.00	1.85	1.94	1.98
Producer Price Index: Petroleum (index, 1982=1.00)	1.21	1.46	1.53	1.55	1.66	1.74	1.78	1.66	1.66	1.79	1.83	1.78	1.44	1.71	1.77
GDP Implicit Price Deflator (index, 2009=100)	110.6	111.3	111.7	112.2	112.9	113.3	114.0	114.6	115.4	116.0	116.6	117.2	111.5	113.7	116.3
Miscellaneous															
Vehicle Miles Traveled (b) (million miles/day)	8,086	9,024	8,943	8,590	8,303	9,133	9,043	8,679	8,254	9,262	9,145	8,773	8,661	8,792	8,861
Air Travel Capacity (Available ton-miles/day, thousands)	548	603	609	590	560	597	594	572	564	599	597	579	588	581	585
Aircraft Utilization (Revenue ton-miles/day, thousands)	326	366	375	357	339	369	365	348	342	373	367	351	356	355	358
Airline Ticket Price Index (index, 1982-1984=100)	281.8	305.0	273.0	270.4	274.0	305.5	289.3	295.5	293.2	321.8	301.1	305.4	282.6	291.0	305.4
Raw Steel Production (million short tons per day)	0.238	0.247	0.238	0.230	0.248	0.245	0.215	0.184	0.235	0.239	0.220	0.181	0.239	0.223	0.219
Carbon Dioxide (CO₂) Emissions (million metric tons)															
Petroleum	571	571	589	589	559	578	595	589	573	582	598	596	2,320	2,321	2,349
Natural Gas	439	327	343	376	415	315	330	386	449	327	335	392	1,485	1,446	1,503
Coal	309	298	413	335	320	299	403	334	341	309	400	335	1,354	1,356	1,384
Total Energy (c)	1,322	1,199	1,347	1,302	1,297	1,194	1,331	1,312	1,365	1,222	1,336	1,325	5,171	5,134	5,248

- = no data available

SAAR = Seasonally-adjusted annual rate

 (a) Fuel share weights of individual sector indices based on EIA *Manufacturing 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.