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

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

Teal Processor Teal	6.6. Energy information Administration	2016			2017				2018				Year			
Marke Coron Demonic Product Galler Sales 16,223 16,243 16,743 16,786 76,897 76,987 77,987 77,975 77,417 77,975 77,907 7		1st			4th	1st			4th	1st			4th	2016		2018
	Macroeconomic	1		0.0				0.0				0.0				
Page	Real Gross Domestic Product															
Billion chinare 2008 obliars - SAAR] 1365 1485 1485 1485 1485 1485 1487 1477 1477 1477 1270 2270 228	(billion chained 2009 dollars - SAAR)	. 16,525	16,583	16,713	16,786	16,883	16,987	17,085	17,178	17,310	17,417	17,525	17,630	16,652	17,033	17,471
Part	Real Personal Consumption Expend.															
	(billion chained 2009 dollars - SAAR)	. 11,365	11,485	11,563	11,635	11,721	11,791	11,871	11,947	12,051	12,141	12,229	12,319	11,512	11,832	12,185
Submers Subm	Real Fixed Investment															
(Millor chamed 2000 dollam - SAAR), M-2 v. 15 v. 4 v. 5 v. 13 v. 4 v. 7 v. 9 v. 5 v. 6 v. 6 v. 9 v. 202 v. 208 v.	(billion chained 2009 dollars - SAAR)	. 2,787	2,779	2,772	2,812	2,847	2,885	2,913	2,941	2,970	2,999	3,030	3,058	2,787	2,896	3,014
Real Confunctional Processions 1,000 2,001 2,001 2,001 2,002 2,002 2,003 2,004 2,005 2,004 2,007 2,0	Business Inventory Change															
(Millon chaimed 2000 dollam s SARN) 2,917 2,917 2,920 2,930 2,941 2,909 2,920	,	. 42	-15	4	-5	-13	-4	4	17	41	57	64	64	6	1	56
Real Exports of Cooles & Services ((illinor chained 2009 claims - SAAR)	Real Government Expenditures															
(Millon chaimed 2009 clollars - SAAR)	,	. 2,913	2,901	2,903	2,912	2,919	2,923	2,924	2,925	2,930	2,935	2,942	2,944	2,907	2,923	2,938
Real Improof of Closcos & Services (Library Confidence SARA)	•															
	,	. 2,102	2,111	2,163	2,144	2,154	2,171	2,189	2,202	2,216	2,230	2,247	2,267	2,130	2,179	2,240
Real Disposable Personal Income (gillion Chainer Qu'o) Glollane SAAR) 12,556 12,647 12,751 12,823 12,902 13,004 13,084 13,177 13,389 13,505 13,589 13,589 13,589 13,689 13,689 13,689 13,689 13,689 13,689 13,689 13,689 13,689 13,689 13,689 13,689 13,689 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 144.3 146.2 147.7 148.2 148.6 148.3 148.2 148.6 148.3 148.2 148.6 148.3 148.2 148.6 148.3	' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '			0.004	0.704	0.700	0.700	0.007	0.040	0.000	0.000	0.004	0.040	0.004	0.700	0.057
	•	. 2,668	2,670	2,684	2,704	2,733	2,769	2,807	2,846	2,889	2,938	2,981	3,018	2,681	2,789	2,957
Non-Fiam Employment (millions)	•	40.550	40.047	40.704	40.000	40.000	40.004	40.004	40.477	40.000	40.505	40.500	40.000	40.000	40.040	40.550
[millions] 143.5 144.0 144.6 145.1 145.6 146.0 146.3 146.7 147.2 147.2 148.2 148.5 144.3 146.2 147.9 147.9 148.2 148.5 144.3 146.2 147.9 147.9 148.2 147.9 148.2 147.9 147.9 148.2 147.9 147.9 148.2 147.9 147.9 147.9 148.2 147.9 1	•	. 12,336	12,047	12,731	12,023	12,902	13,004	13,064	13,177	13,399	13,505	13,599	13,099	12,009	13,042	13,550
Chailean Unemployment Rate		1/2 5	144.0	1446	145.1	145.6	146.0	146.2	146 7	1/72	1/77	1/8 2	1/12 6	1443	146.2	1470
Genomia Geno		143.3	144.0	144.0	143.1	140.0	140.0	140.5	140.7	177.2	177.7	140.2	140.0	144.5	140.2	147.5
Housing Sarka		4.9	4.9	4.9	4.7	4.7	4.6	4.6	4.5	4.4	4.3	4.2	4.2	4.9	4.6	4.3
Indicase																
Industrial Production Indices (Index, 2012=100) Total Industrial Production 104.1 103.9 104.4 103.0 104.8 105.8 106.8 106.7 106.4 106.3 106.9 107.5 108.0 107.5 108.0 108.	•	1.15	1.16	1.15	1.27	1.20	1.22	1.25	1.28	1.29	1.31	1.32	1.34	1.18	1.24	1.32
Total Industrial Production 104.1 103.9 104.4 104.0 104.3 104.8 105.8 103.8 103.9 103.8 103.8 103.9 103.8 103.9 103.8 103.9 103.8 103.9 103.8 103.9 103.8 103.9 103.8 103.9 103.8 103.9 103.8 103.9 103.8 103.9 103.8 103.8 103.9 103.8 103.9 103.8 103.9 103.8	,															
Manufacturing 103.9 103.6 103.6 103.8 103.9 104.2 104.9 105.1 106.1 106.5 106.5 108.0 108.5 108.0 109.8 109.8 109.8 109.8 109.8 109.8 109.8 109.6 108.	Industrial Production Indices (Index, 2012=1	00)														
Foot	Total Industrial Production	104.1	103.9	104.4	104.0	104.3	104.8	105.8	106.8	107.7	108.4	109.3	109.9	104.1	105.4	108.8
Paper	Manufacturing	103.9	103.6	103.8	103.9	104.2	104.4	105.1	106.1	106.9	107.5	108.3	108.9	103.8	104.9	107.9
Petroleum and Coal Products 196.5 195.5 195.1 195.1 195.1 195.8 196.8 196.3 106.8 196.8	Food	104.4	104.8	105.4	105.0	105.7	106.3	106.9	107.5	108.0	108.5	109.1	109.7	104.9	106.6	108.8
Chemicals 99.1 98.3 97.0 97.3 97.5 97.1 115.5 10.2 10.37 10.7 10.5 10.2 10.37 10.5 10.2 10.37 10.5 10.2 10.37 10.5 10.3 10.3 10.3 10.3 10.3 10.5 10.3 10.5				95.4	94.7		94.2							95.5		
Nonnetalic Mileral Products																
Primary Metals 94.8 95.7 92.7 92.7 92.9 93.3 93.2 93.1 93.4 94.2 94.0 92.9 93.5 Coel-weighted Manufacturing (a) 102.8 102.2 101.0 101.0 101.1 101.5 102.0 102.7 103.1 103.6 104.2 105.0 101.7 101.8 104.0 105.1 105.6 105.9 107.7 108.3 108.8 109.4 110.1 105.6 106.7 109.1 109.5 109.1 109.5 109.3 108.8 109.4 110.1 105.6 106.5 106.5 106.2 102.7 103.6 104.4 105.0 105.6 106.4 107.4 102.9 103.6 104.4 105.0 105.6 106.4 107.4 102.9 103.4 106.1 106.5 106.4 107.4 108.4 109.7 103.6 104.4 108.5 108.3 108.4 109.7 103.6 104.4 108.5 108.3 108.4 108.4 109.7 103.6 104.4 108.5																
Coal-weighted Manufacturing (a) 102.8 102.2 101.0 101.0 101.1 101.5 102.0 102.7 103.1 103.6 104.2 105.0 101.7 101.8 104.0																
Dissillate-weighted Manufacturing (a)																
Electricity-weighted Manufacturing (a) 103.5 103.0 102.6 102.6 102.7 102.9 103.5 104.4 105.0 105.6 106.4 107.4 102.9 103.4 106.1 Natural Gas-weighted Manufacturing (a) 104.4 103.5 103.3 103.1 103.3 103.9 104.7 105.8 106.6 107.4 108.0 109.7 109.4 109.7 103.6 104.4 108.0 Price Indexses Price Indexs Price Index (all urban consumers) Price Index (al	9 ,															
Natural Gas-weighted Manufacturing (a) 104.4 103.5 103.3 103.1 103.3 103.9 104.7 105.8 106.6 107.4 108.4 109.7 103.6 104.4 108.0 Price Indexes Consumer Price Index (all urban consumers) ((index, 1982-1946-100) 238 2.39 2.40 2.42 2.44 2.45 2.47 2.48 2.50 2.51 2.53 2.54 2.40 2.46 2.52 Producer Price Index: All Commodities ((index, 1982-100) 18.83 1.85 1.86 1.88 1.91 1.91 1.91 1.92 1.93 1.95 1.96 1.97 1.98 1.97 1.98 1.85 1.90 1.97 Producer Price Index: Petroleum ((index, 1982-1.00) 1.21 1.46 1.53 1.63 1.70 1.76 1.78 1.71 1.69 1.81 1.84 1.80 1.84 1.80 1.46 1.74 1.78 GDP Implicit Price Deflator ((index, 2009-100) 1.10.6 111.3 111.7 112.2 113.0 113.7 114.3 115.0 115.7 116.3 117.0 117.6 111.4 114.0 116.7 Miscellaneous Vehicle Miles Traveled (b) ((million miles/day) 1.00.1 1																
Price Indexs Consumer Price Index (all urban consumers) (index, 1982-1984-1,00)																
Consumer Price Index (all urban consumers) (index, 1982-1984-1.00)	Natural Cas-weighted Mandiacturing (a)	104.4	100.0	100.0	103.1	700.0	100.0	104.7	100.0	700.0	107.4	100.4	103.7	103.0	104.4	700.0
(index, 1982-1984=1.00)	Price Indexes															
(index, 1982-1984=1.00)																
(index, 1982=1.00)		2.38	2.39	2.40	2.42	2.44	2.45	2.47	2.48	2.50	2.51	2.53	2.54	2.40	2.46	2.52
Producer Price Index: Petroleum (index, 1982=1.00)	Producer Price Index: All Commodities															
(index, 1982=1.00)	(index, 1982=1.00)	1.83	1.85	1.86	1.88	1.91	1.91	1.92	1.93	1.95	1.96	1.97	1.98	1.85	1.92	1.97
GDP Implicit Price Deflator (index, 2009=100)	Producer Price Index: Petroleum															
Miscellaneous Vehicle Miles Traveled (b) (million miles/day)	(index, 1982=1.00)	1.21	1.46	1.53	1.63	1.70	1.76	1.78	1.71	1.69	1.81	1.84	1.80	1.46	1.74	1.78
Miscellaneous Vehicle Miles Traveled (b) (million miles/day)	GDP Implicit Price Deflator															
Vehicle Miles Traveled (b) (million miles/day)	(index, 2009=100)	110.6	111.3	111.7	112.2	113.0	113.7	114.3	115.0	115.7	116.3	117.0	117.6	111.4	114.0	116.7
Vehicle Miles Traveled (b) (million miles/day)	M H															
(million miles/day)																
Air Travel Capacity (Available ton-miles/day, thousands)	. ,	0 202	0.150	0.077	0 CEO	0 205	0.262	0.156	9 700	0 126	0.401	0.206	0.044	0 775	0 000	0.021
(Available ton-miles/day, thousands)		0,203	9,139	9,077	0,039	0,300	9,203	9, 150	0,799	0,430	9,401	9,290	0,944	0,773	0,003	9,021
Aircraft Utilization (Revenue ton-miles/day, thousands)		548	603	609	578	566	594	595	579	571	597	600	587	585	583	589
(Revenue ton-miles/day, thousands)	*	040	000	000	0.0	000	001	000	070	077	007	000	007	000	000	000
Airline Ticket Price Index (index, 1982-1984=100)		326	366	375	355	341	362	368	359	344	367	372	363	356	357	362
Raw Steel Production (million short tons per day)	Airline Ticket Price Index															
Raw Steel Production (million short tons per day)	(index, 1982-1984=100)	281.8	305.0	273.0	271.9	280.9	309.1	289.0	298.6	300.4	325.0	301.5	309.3	283.0	294.4	309.1
Carbon Dioxide (CO ₂) Emissions (million metric tons) Petroleum 571 571 588 582 568 577 592 585 573 583 599 593 2,313 2,321 2,349 Natural Gas 440 328 344 374 443 323 333 388 452 330 340 394 1,486 1,486 1,515	Raw Steel Production															
Petroleum 571 571 588 582 568 577 592 585 573 583 599 593 2,313 2,321 2,349 Natural Gas 440 328 344 374 443 323 333 388 452 330 340 394 1,486 1,486 1,486 1,515	(million short tons per day)	0.238	0.247	0.238	0.231	0.238	0.240	0.212	0.178	0.226	0.229	0.209	0.168	0.239	0.217	0.208
Petroleum 571 571 588 582 568 577 592 585 573 583 599 593 2,313 2,321 2,349 Natural Gas 440 328 344 374 443 323 333 388 452 330 340 394 1,486 1,486 1,515													•			
Natural Gas																
														•		,
Cool 344 309 445 339 357 304 407 350 350 345 400 350 4350 4407 4400																
	Coal		298	415	338	357	321	407	352	350	315	403	352	1,362	1,437	1,420
Total Energy (c)	Total Energy (c)	1,325	1,201	1,350	1,297	1,371	1,224	1,334	1,327	1,378	1,231	1,346	1,342	5,173	5,256	5,296

^{- =} 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.