

Appendix D. Real Gross Domestic Product by State

The real gross domestic product (GDP) data used in the U.S. Energy Information Administration State Energy Data System (SEDS) to calculate total energy consumed per chained (2012) dollar of output are shown in Tables D1 and D2. The data are the U.S. Department of Commerce, Bureau of Economic Analysis (BEA), real GDP estimates by state, beginning in 1997.

Both the national-level and state-level real GDP data are available from the U.S. Department of Commerce, Bureau of Economic Analysis “Regional Economic Accounts” dataset. There is a difference in the coverage between the two series. The difference between the sum of the states GDP and the U.S-level GDP reflects federal military and civilian activity located overseas. For details, see BEA Regional Economic Accounts: Methodologies, <http://www.bea.gov/regional/methods.cfm>.

Additional note

BEA reports real GDP for 1997 forward based on the North American Industry Classification System (NAICS) and real GDP before 1997 based on the Standard Industrial Classification (SIC). Through the 2012 data cycle, SEDS published real GDP by state from 1977 forward. In 2014, BEA completed a comprehensive revision of the state GDP and only revised the data for 1997 forward. Because of the incompatibility between the two sets of data, state GDP data before 1997 were removed from SEDS.

Data sources

GDPRXUS — Real gross domestic product of the United States in millions of chained (2012) dollars.

- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Products Accounts, <https://apps.bea.gov/iTable/iTable.cfm?reqid=19&step=2#reqid=19&step=2&isuri=1&1921=survey>.

GDPRXZZ — Real gross domestic product by state in millions of chained (2012) dollars.

- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, Regional Economic Accounts, <https://apps.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>, select Annual Gross Domestic Product by State, Gross Domestic Product

(GDP) summary (SAGDP1), All Areas, and Real GDP (millions of chained 2012 dollars).

Table D1. Real Gross Domestic Product by State, 1997-2007
(Billion Chained (2012) Dollars)

State	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alabama	143.6	148.6	154.1	156.6	156.4	160.9	165.0	175.5	181.4	184.8	185.9
Alaska	42.3	41.2	40.7	39.5	41.0	42.9	42.2	43.7	45.1	48.5	51.1
Arizona	168.6	183.1	198.1	207.8	212.7	219.3	233.3	243.2	263.1	277.3	284.9
Arkansas	82.8	84.8	89.3	90.2	89.9	92.9	96.5	101.2	104.7	106.9	106.2
California	1,378.7	1,470.4	1,582.4	1,709.9	1,702.8	1,743.7	1,825.4	1,902.3	1,990.1	2,072.2	2,103.6
Colorado	184.2	201.1	216.3	232.8	236.4	236.8	238.5	240.8	250.8	256.1	264.6
Connecticut	190.8	196.2	202.2	216.4	220.3	220.0	222.2	237.1	242.5	251.6	261.1
Delaware	45.2	49.7	53.9	56.1	58.9	56.8	58.0	60.7	60.0	61.5	61.2
District of Columbia	79.6	81.2	84.7	85.3	88.5	91.2	93.0	97.8	100.0	100.2	103.0
Florida	560.9	590.1	616.6	642.7	658.6	685.3	715.4	757.1	806.3	834.3	835.9
Georgia	329.0	352.7	377.6	393.2	396.9	400.1	410.6	429.3	445.5	450.6	453.1
Hawaii	55.7	54.4	55.2	56.4	56.0	57.9	60.8	64.9	68.6	70.4	71.2
Idaho	37.0	38.8	42.5	47.3	46.1	47.2	48.5	51.2	55.4	57.6	58.7
Illinois	577.8	595.8	617.3	641.7	644.2	647.9	655.8	673.3	685.9	704.5	712.7
Indiana	232.2	246.4	254.5	263.7	258.7	265.1	275.2	284.7	285.5	291.3	299.4
Iowa	113.4	114.2	116.7	122.2	120.7	124.1	129.3	139.7	143.9	145.9	152.3
Kansas	104.8	108.5	111.2	114.0	113.9	115.6	117.5	117.9	122.3	128.9	135.7
Kentucky	147.0	151.6	156.3	152.1	151.9	155.7	159.2	163.4	168.8	173.3	171.9
Louisiana	201.8	208.7	213.0	206.7	209.0	213.1	221.2	231.6	245.5	243.3	234.6
Maine	43.0	44.2	46.4	48.5	49.4	50.6	51.7	53.5	53.6	54.3	54.0
Maryland	221.2	231.8	240.9	251.0	260.8	270.9	278.0	292.1	306.0	311.7	312.1
Massachusetts	302.8	314.9	331.7	359.5	362.4	364.8	373.8	383.5	390.8	397.7	408.0
Michigan	397.3	406.3	429.4	438.3	423.6	435.3	443.8	444.2	450.7	443.3	441.1
Minnesota	211.9	223.0	230.7	246.0	246.1	252.4	263.9	274.7	282.1	282.0	283.2
Mississippi	83.2	85.3	87.6	88.1	87.2	88.1	91.7	93.7	95.2	97.7	100.2
Missouri	228.3	232.1	238.4	246.0	244.4	246.8	251.8	257.3	261.5	263.2	264.4
Montana	29.2	30.5	30.6	31.4	31.7	32.5	33.8	35.4	37.1	38.4	40.4
Nebraska	70.7	72.3	73.9	76.6	78.3	79.7	84.1	86.1	88.9	91.4	93.4
Nevada	90.4	94.9	101.3	105.3	106.7	110.0	115.6	128.9	139.7	145.2	144.4
New Hampshire	48.4	51.6	53.1	56.7	57.4	59.0	61.6	63.5	64.4	65.9	65.7
New Jersey	426.2	433.8	448.8	473.0	476.5	487.1	499.7	507.6	513.5	524.1	526.8
New Mexico	67.4	67.1	70.7	72.0	72.1	74.3	77.1	82.8	83.8	85.9	86.5
New York	976.9	996.7	1,048.1	1,088.0	1,112.2	1,102.1	1,104.9	1,132.5	1,171.1	1,199.9	1,202.7
North Carolina	316.4	326.2	344.4	354.8	361.4	366.0	374.5	388.7	407.5	432.6	436.4
North Dakota	22.4	23.7	23.7	24.6	25.0	26.4	28.0	28.3	29.1	30.3	31.7
Ohio	471.9	487.9	499.1	509.0	501.8	514.8	522.6	534.4	543.7	541.2	541.4
Oklahoma	115.4	117.9	119.7	124.1	128.7	131.1	133.1	137.4	143.1	152.7	155.5
Oregon	118.5	124.2	126.9	137.8	136.7	139.7	145.6	152.8	158.5	167.9	171.1
Pennsylvania	495.8	508.5	523.6	537.2	544.8	550.2	562.4	578.0	588.1	592.0	612.0
Rhode Island	40.2	41.8	43.2	45.2	45.9	47.6	49.4	51.6	52.3	53.5	52.1
South Carolina	134.9	140.1	146.5	150.5	151.1	154.7	160.1	162.2	166.6	170.3	175.1
South Dakota	25.0	26.5	27.5	29.4	29.7	33.0	33.7	35.1	35.9	36.5	38.1
Tennessee	210.8	223.8	230.4	233.2	232.7	240.5	247.8	259.3	264.7	271.5	268.8
Texas	872.8	928.4	965.7	998.3	1,021.9	1,041.8	1,048.3	1,102.7	1,132.8	1,210.3	1,274.3
Utah	80.7	85.7	89.3	92.5	93.9	95.7	97.6	102.7	109.1	118.7	124.5
Vermont	20.0	20.7	21.8	23.0	23.7	24.5	25.3	26.6	26.9	27.1	26.8
Virginia	301.6	317.2	332.1	346.2	358.5	362.3	376.1	393.4	415.1	423.7	427.0
Washington	271.6	289.1	310.3	312.2	305.1	310.3	316.2	322.0	343.4	356.7	378.2
West Virginia	59.2	60.2	62.2	62.1	62.0	62.8	62.8	63.7	65.5	66.4	66.5
Wisconsin	209.3	217.3	226.3	233.1	236.1	241.0	247.9	256.0	262.2	266.5	267.9
Wyoming	25.2	25.8	26.8	27.7	29.2	29.9	30.6	31.5	33.1	37.5	40.3
United States	11,521.9	12,038.3	12,610.5	13,131.0	13,262.1	13,493.1	13,879.1	14,406.4	14,912.5	15,338.3	15,626.0

Where shown, R = Revised data.
Source: See first page of this appendix.

Table D2. Real Gross Domestic Product by State, 2008-2018
(Billion Chained (2012) Dollars)

State	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Alabama	185.3	178.0	182.3	185.1	186.3	188.2	R 186.8	R 189.3	R 190.7	R 193.0	198.4
Alaska	50.9	55.8	54.2	54.6	57.7	54.8	R 53.3	R 53.8	R 52.7	R 52.7	53.1
Arizona	277.5	255.1	257.5	263.2	268.3	270.1	R 273.7	R 280.2	R 289.2	R 299.4	311.7
Arkansas	105.8	102.5	105.9	108.3	108.7	111.8	R 112.9	R 113.9	R 114.5	R 115.3	117.3
California	2,111.1	2,026.5	2,058.1	2,091.6	2,144.5	2,220.9	R 2,312.5	R 2,428.6	R 2,501.0	R 2,610.7	2,721.7
Colorado	267.7	262.4	264.8	268.7	273.5	282.5	R 295.7	R 309.2	R 316.8	R 329.6	341.1
Connecticut	259.7	248.0	247.5	242.0	243.8	241.1	R 237.8	R 242.9	R 242.8	R 243.7	244.9
Delaware	58.7	60.4	60.0	62.0	62.0	59.2	R 63.5	R 65.9	R 63.1	R 62.7	62.8
District of Columbia	106.7	106.4	110.0	112.0	112.7	112.7	R 114.9	R 117.2	R 119.6	R 121.0	124.0
Florida	803.2	758.3	766.2	763.7	769.3	784.1	R 805.3	R 839.1	R 866.7	R 896.1	924.9
Georgia	443.4	426.3	433.0	439.9	444.1	450.8	R 465.6	R 481.6	R 498.3	R 516.6	529.0
Hawaii	71.7	69.1	71.0	72.1	73.6	74.3	74.5	R 77.2	R 78.9	R 80.7	82.7
Idaho	59.7	57.1	57.9	57.8	57.8	59.8	61.4	R 63.1	R 65.5	R 67.8	70.5
Illinois	699.4	683.0	695.0	707.1	720.7	724.6	R 735.0	R 744.5	R 747.2	R 753.6	769.8
Indiana	298.3	277.5	295.1	296.5	297.6	303.9	R 313.7	R 311.6	R 316.6	R 322.7	329.3
Iowa	149.1	145.6	149.5	151.2	157.3	156.6	R 165.1	R 169.4	R 168.9	R 168.4	172.1
Kansas	138.7	133.3	134.9	138.6	140.5	140.5	R 143.4	R 146.2	R 149.9	R 151.5	154.6
Kentucky	172.2	165.0	172.0	174.1	176.3	179.4	R 180.0	R 181.3	R 182.6	R 184.5	187.2
Louisiana	235.3	238.7	247.4	234.1	233.6	226.6	R 233.7	R 232.5	R 228.3	R 231.4	237.4
Maine	53.9	53.1	53.8	53.1	52.9	52.5	53.4	R 53.8	R 55.0	R 56.2	57.5
Maryland	315.9	314.9	327.2	334.3	334.8	334.9	338.7	R 345.2	R 356.8	R 360.0	368.9
Massachusetts	412.6	408.1	424.6	434.7	444.3	444.9	R 453.9	R 471.1	R 479.0	R 490.8	506.1
Michigan	416.7	380.1	400.9	411.5	418.9	424.3	R 431.5	R 442.5	R 452.3	R 459.1	470.5
Minnesota	285.8	275.5	284.9	290.6	294.3	300.6	R 309.2	R 313.1	R 319.1	R 325.3	333.9
Mississippi	104.4	99.5	100.0	98.7	99.6	99.6	R 100.1	R 100.2	R 100.7	R 101.5	102.8
Missouri	270.6	265.3	269.7	266.7	268.8	271.9	R 273.2	R 276.7	R 275.5	R 278.2	284.9
Montana	40.2	39.3	40.5	41.5	42.0	42.4	R 43.2	R 44.9	R 44.3	R 45.0	46.2
Nebraska	93.6	94.0	97.9	102.3	102.3	105.0	R 107.2	R 110.3	R 110.8	R 113.1	114.2
Nevada	138.9	127.2	128.8	129.7	128.0	128.3	R 130.0	R 135.4	R 139.3	R 143.7	149.8
New Hampshire	65.0	64.4	66.4	66.8	67.7	68.8	69.5	R 71.5	R 72.8	R 74.1	75.8
New Jersey	533.1	511.1	516.6	510.9	519.7	523.3	R 525.7	R 535.3	R 539.9	R 543.5	555.8
New Mexico	86.0	87.7	87.0	87.2	87.6	86.5	R 89.3	R 91.2	R 91.3	R 91.3	93.6
New York	1,175.5	1,223.2	1,269.5	1,269.2	1,322.4	1,319.3	R 1,349.3	R 1,372.2	R 1,389.7	R 1,418.9	1,435.6
North Carolina	446.9	427.1	433.4	439.1	439.6	445.4	R 455.0	R 469.5	R 475.3	R 485.5	497.3
North Dakota	34.2	35.0	37.7	41.9	51.3	52.5	R 56.5	R 54.9	R 51.0	R 51.0	52.9
Ohio	537.2	509.2	521.1	538.7	540.8	550.8	R 571.9	R 580.4	R 585.1	R 594.3	605.4
Oklahoma	161.4	159.2	159.2	165.2	173.5	177.6	R 187.7	R 195.9	R 190.1	R 191.5	196.5
Oregon	174.0	166.7	169.0	173.9	174.5	175.8	R 181.9	R 192.0	R 200.9	R 208.6	216.6
Pennsylvania	623.8	605.5	622.5	631.4	641.3	651.3	R 666.5	R 681.2	R 689.8	R 693.7	711.8
Rhode Island	50.4	50.2	51.5	51.3	51.6	52.1	R 52.1	R 53.1	R 53.1	R 53.0	53.6
South Carolina	174.6	166.8	170.2	174.1	175.4	178.9	R 183.6	R 189.9	R 195.5	R 201.9	207.2
South Dakota	39.6	39.7	40.1	42.8	43.4	43.6	R 44.2	R 45.4	R 45.7	R 45.6	46.5
Tennessee	272.0	263.0	266.7	274.8	283.7	286.8	R 291.7	R 301.6	R 308.0	R 313.8	323.7
Texas	1,275.8	1,271.4	1,301.7	1,343.8	1,411.4	1,472.1	R 1,523.1	R 1,596.4	R 1,600.3	R 1,646.3	1,712.8
Utah	123.5	120.8	123.3	127.1	128.7	131.9	R 136.1	R 141.7	R 147.4	R 153.1	158.8
Vermont	27.4	27.0	28.1	28.7	28.9	28.5	28.5	R 28.9	R 29.4	R 29.4	29.8
Virginia	425.8	425.6	437.3	441.6	445.0	446.6	R 445.9	R 455.0	R 456.7	R 464.8	477.0
Washington	382.4	372.7	381.3	387.8	400.9	411.1	R 425.8	R 444.3	R 459.8	R 483.8	511.7
West Virginia	67.9	67.6	68.4	69.7	69.4	70.2	R 69.9	R 69.8	R 68.9	R 69.9	71.5
Wisconsin	264.6	257.1	264.8	270.4	274.3	276.2	R 282.1	R 287.2	R 290.8	R 294.7	301.6
Wyoming	42.6	41.4	39.8	39.4	38.4	38.5	R 38.7	R 39.7	38.1	R 38.0	38.0
United States	15,604.7	15,208.8	15,598.8	15,840.7	16,197.0	16,495.4	R 16,912.0	R 17,403.8	R 17,688.9	R 18,108.1	18,638.2

Where shown, R = Revised data.
Source: See first page of this appendix.