

## 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 (2009) 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. The estimates are released in June of each year.

For the United States, the national real GDP series from the National Income and Product Accounts is used instead of the United States series in the Regional Economic Accounts, the source of the state GDP dataset. Due to slight differences in coverage and different sources and vintages of data used to estimate the national GDP and state GDP, the U.S. GDP and the state GDP in SEDS are not strictly compatible. For details, see BEA Regional Economic Accounts: Methodologies, <http://bea.gov/regional/methods.cfm>.

### *Additional notes*

BEA makes comprehensive revisions every few years, and the state GDP series are usually revised a year after the national GDP series are revised. If the state GDP series are updated in SEDS in the interim period, the pre-revision national GDP series are adopted to maintain comparability.

For 1997 forward, BEA reports real GDP by state based on the North American Industry Classification System (NAICS). Prior to 1997, the data were based on the Standard Industrial Classification (SIC). In 2014, BEA completed a comprehensive revision of the state GDP and 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 (2009) dollars.

- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Products Accounts, <http://www.bea.gov/national/xls/gdplev.xlsx>.

GDPRXZZ — Real gross domestic product by state in millions of chained (2009) dollars.

- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, <http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1>, select Gross Domestic Product by State, Real GDP in chained dollars, NAICS classification, all industry total, and all areas.

**Table D1. Real Gross Domestic Product by State, 1997-2006**  
(Billion Chained (2009) Dollars)

State	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Alabama	137.1	141.7	146.7	148.2	148.8	152.6	157.0	166.3	171.7	174.7
Alaska	37.9	36.9	36.6	35.9	37.1	38.6	38.3	39.6	40.8	43.5
Arizona	163.1	177.3	192.4	202.2	206.6	212.2	224.6	232.1	251.2	265.8
Arkansas	79.2	80.1	84.5	85.3	85.3	88.0	91.8	96.1	99.1	101.0
California	1,343.1	1,421.7	1,525.6	1,639.0	1,628.0	1,669.7	1,745.0	1,832.8	1,910.3	1,975.5
Colorado	175.0	192.2	207.2	222.9	226.2	228.4	229.8	229.1	238.4	243.2
Connecticut	183.3	189.9	195.5	209.3	212.4	211.8	214.0	227.4	231.6	237.3
Delaware	43.1	47.1	51.8	54.3	56.6	54.7	55.6	57.7	57.1	58.3
District of Columbia	74.6	75.8	79.0	79.3	83.1	85.2	86.8	90.9	92.5	93.8
Florida	537.2	569.5	597.5	623.6	645.2	671.8	696.9	726.8	773.0	798.0
Georgia	314.1	336.1	359.5	373.9	378.5	380.9	391.9	408.6	425.0	430.4
Hawaii	53.1	51.7	52.5	53.7	53.7	55.4	58.1	61.6	64.8	66.3
Idaho	35.4	37.1	40.7	45.3	44.1	45.1	46.4	48.2	51.3	54.2
Illinois	553.7	568.4	589.1	611.1	610.1	612.7	621.5	635.5	646.1	663.6
Indiana	222.0	235.6	243.1	251.0	246.0	252.2	260.9	268.9	268.9	274.1
Iowa	107.9	108.5	110.8	116.4	114.3	117.6	122.6	131.7	135.0	136.9
Kansas	98.8	102.3	105.0	107.5	107.4	109.0	111.5	111.4	114.6	120.4
Kentucky	139.4	143.4	148.1	143.8	144.4	147.9	151.2	155.3	159.8	163.9
Louisiana	180.1	184.4	188.2	181.9	184.9	187.8	195.6	203.5	215.1	211.5
Maine	41.4	42.7	44.7	46.6	47.6	48.7	49.8	51.4	51.4	52.0
Maryland	216.4	224.8	233.9	242.3	251.5	259.6	266.4	280.4	290.6	296.5
Massachusetts	293.8	305.8	322.1	348.2	352.6	354.4	362.1	370.0	376.4	382.7
Michigan	386.6	392.3	413.3	420.2	408.5	419.7	427.6	426.2	431.4	423.6
Minnesota	203.1	212.8	220.6	234.7	235.1	240.6	251.5	260.8	267.5	266.4
Mississippi	78.5	80.5	82.8	83.1	82.3	83.1	86.4	88.1	89.5	91.5
Missouri	217.5	222.5	228.3	235.1	233.2	235.1	240.0	245.1	247.9	250.0
Montana	26.7	27.9	28.2	28.8	29.3	29.9	31.1	32.4	34.0	35.0
Nebraska	66.4	67.5	69.0	71.6	72.6	73.9	78.1	79.6	81.1	83.4
Nevada	84.8	89.1	95.8	100.1	102.3	105.4	110.8	122.7	133.3	138.2
New Hampshire	47.0	50.1	51.5	55.1	55.9	57.5	59.7	61.2	62.8	63.9
New Jersey	408.0	417.2	431.1	452.7	458.6	469.0	480.8	485.8	491.2	499.5
New Mexico	64.4	64.0	67.6	68.8	69.4	71.3	74.3	79.1	79.6	80.9
New York	915.0	939.0	988.8	1,022.8	1,056.7	1,053.3	1,050.0	1,078.6	1,119.3	1,145.5
North Carolina	301.1	315.2	332.4	341.0	348.0	353.4	361.1	375.2	392.1	413.8
North Dakota	20.7	21.7	21.7	22.5	23.0	24.2	25.7	25.9	26.7	27.8
Ohio	447.0	466.8	476.2	485.0	477.6	488.5	496.8	508.9	512.2	511.3
Oklahoma	109.9	111.7	113.6	117.5	121.9	123.2	125.4	129.1	133.6	141.6
Oregon	112.2	118.2	120.7	131.0	128.9	132.3	137.9	150.6	153.8	168.0
Pennsylvania	473.9	488.9	503.0	514.2	522.2	527.2	538.9	553.3	560.7	563.3
Rhode Island	39.0	40.4	41.7	43.5	44.4	45.9	47.8	49.8	50.4	51.3
South Carolina	131.5	136.1	142.0	145.2	145.9	149.3	154.7	156.3	159.7	162.7
South Dakota	22.9	24.2	25.2	26.9	27.5	30.4	31.2	32.4	33.2	33.5
Tennessee	203.0	213.1	219.5	221.8	222.2	229.0	236.6	246.9	250.8	256.8
Texas	816.6	867.0	901.0	930.6	954.8	968.7	976.6	1,023.2	1,047.0	1,111.8
Utah	75.3	80.1	83.9	86.8	88.7	90.1	92.3	96.3	102.4	111.1
Vermont	19.5	20.1	21.2	22.3	23.0	23.7	24.6	25.5	25.8	26.0
Virginia	294.1	308.8	323.6	336.2	346.9	349.5	362.4	376.8	396.3	405.7
Washington	259.6	275.3	295.6	295.9	289.8	295.7	300.0	305.3	325.1	337.0
West Virginia	55.4	56.2	58.4	58.1	58.1	58.7	58.7	59.7	61.2	62.2
Wisconsin	203.6	210.3	218.9	225.2	227.5	232.5	238.2	245.1	250.3	253.9
Wyoming	22.8	23.4	24.3	25.1	26.5	27.0	27.7	28.4	29.6	33.2
United States	11,034.9	11,525.9	12,065.9	12,559.7	12,682.2	12,908.8	13,271.1	13,773.5	14,234.2	14,613.8

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

**Table D2. Real Gross Domestic Product by State, 2007-2016**  
(Billion Chained (2009) Dollars)

State	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Alabama	175.3	174.5	168.3	171.9	173.8	175.4	177.0	R 176.5	R 178.6	180.6
Alaska	45.7	46.4	50.5	49.7	51.0	53.7	51.4	R 49.5	R 48.7	46.9
Arizona	272.4	262.5	242.5	243.1	247.4	252.5	253.7	R 258.4	R 263.8	269.0
Arkansas	100.3	100.5	98.0	101.3	103.3	103.2	106.1	R 107.5	R 108.0	109.1
California	1,999.3	1,993.2	1,912.1	1,936.5	1,962.9	2,013.6	2,064.5	R 2,150.7	R 2,249.7	2,317.5
Colorado	250.3	252.6	247.3	248.7	252.3	257.6	265.9	R 278.4	R 288.4	292.3
Connecticut	247.2	243.9	233.6	232.4	228.5	228.2	224.9	R 223.3	R 225.7	225.1
Delaware	57.8	55.3	57.4	56.5	57.9	57.0	56.2	R 59.4	R 61.2	60.6
District of Columbia	96.3	99.0	98.4	101.7	103.5	103.7	103.5	R 105.3	R 107.3	108.9
Florida	799.1	764.1	721.8	727.7	723.3	729.4	744.6	R 765.4	R 797.2	818.2
Georgia	433.6	420.5	404.6	408.2	413.5	418.3	424.4	R 438.3	R 451.3	466.6
Hawaii	67.4	67.7	65.4	67.4	68.0	68.9	69.7	R 70.3	R 72.8	74.2
Idaho	55.8	56.3	53.9	54.4	54.3	54.4	56.0	R 57.3	R 58.8	60.9
Illinois	671.1	655.3	638.0	646.0	658.4	671.5	669.3	R 682.6	R 690.8	697.1
Indiana	281.6	279.6	262.1	279.1	280.6	281.5	288.2	R 295.5	R 295.6	303.3
Iowa	142.5	140.0	137.1	140.0	142.6	147.7	148.4	R 154.3	R 160.2	163.6
Kansas	126.1	129.3	124.0	126.5	130.5	131.3	131.5	R 134.1	R 136.0	138.3
Kentucky	162.4	162.5	156.3	163.4	165.7	166.9	168.3	R 169.1	R 169.9	171.8
Louisiana	205.1	206.6	210.9	220.9	209.2	209.4	202.3	R 206.8	R 209.0	208.3
Maine	51.7	51.2	50.4	50.9	50.2	50.1	49.8	R 50.7	R 51.0	52.0
Maryland	297.6	300.6	300.9	310.7	316.8	318.1	318.9	R 323.0	R 328.0	336.1
Massachusetts	392.0	392.8	385.7	399.2	408.4	415.8	415.0	R 422.6	R 439.3	444.7
Michigan	419.3	396.5	363.1	382.9	392.7	400.1	405.8	R 411.9	R 422.5	430.4
Minnesota	267.4	268.8	258.2	266.3	272.1	275.9	281.8	R 289.6	R 292.0	300.0
Mississippi	93.8	97.7	93.7	94.1	92.8	94.9	95.5	R 94.5	R 94.7	96.5
Missouri	250.6	255.4	250.4	253.1	250.0	252.6	256.7	R 257.6	R 259.8	260.3
Montana	36.7	36.7	36.1	37.4	38.5	38.7	39.0	R 40.1	R 41.3	41.6
Nebraska	84.7	85.8	87.0	90.7	94.6	94.0	96.4	R 99.9	R 102.3	104.3
Nevada	137.4	130.8	120.2	120.5	121.1	119.4	120.0	R 122.0	R 127.0	129.7
New Hampshire	63.8	63.0	62.2	63.7	64.0	64.3	64.6	R 65.9	R 67.9	69.2
New Jersey	502.1	503.4	482.1	484.4	480.1	489.5	496.1	R 496.9	R 503.5	506.6
New Mexico	81.0	82.9	82.8	83.2	83.5	83.5	82.7	R 84.9	R 86.3	86.2
New York	1,148.3	1,124.5	1,148.4	1,188.7	1,194.3	1,231.9	1,228.5	R 1,249.2	R 1,274.1	1,279.9
North Carolina	414.3	424.2	407.8	412.4	417.1	415.8	422.6	R 431.4	R 443.6	448.9
North Dakota	29.0	31.8	32.5	35.2	39.1	47.8	49.0	R 52.4	R 51.0	48.5
Ohio	510.6	501.5	479.5	492.4	510.2	518.6	523.6	R 541.1	R 546.6	551.1
Oklahoma	144.3	146.9	143.6	144.0	151.3	159.8	166.8	R 176.0	R 181.0	174.2
Oregon	173.1	182.8	181.0	190.4	198.3	192.6	188.8	R 190.6	R 199.7	207.4
Pennsylvania	582.1	591.0	574.0	589.7	597.3	607.2	617.1	R 629.6	R 645.8	651.9
Rhode Island	49.8	48.3	47.7	48.8	48.4	48.6	48.8	R 49.2	R 50.2	50.4
South Carolina	167.6	166.8	160.4	162.8	166.4	166.9	170.2	R 175.3	R 180.8	184.8
South Dakota	34.8	36.4	36.7	37.2	39.5	39.2	39.6	R 40.0	R 41.0	41.6
Tennessee	254.3	255.8	246.5	250.3	257.1	265.2	269.5	R 273.8	R 282.8	290.7
Texas	1,166.7	1,173.7	1,166.5	1,197.0	1,240.1	1,310.5	1,377.1	R 1,425.3	R 1,488.0	1,481.9
Utah	117.7	115.5	113.2	115.2	118.3	119.7	122.7	R 127.1	R 132.5	136.8
Vermont	25.9	26.1	25.5	26.4	27.0	27.0	26.9	R 27.0	R 27.2	27.6
Virginia	408.1	407.2	407.3	416.9	419.7	422.3	422.3	R 423.0	R 430.8	432.9
Washington	357.6	360.5	348.5	355.2	358.2	368.5	377.4	R 390.0	R 405.0	420.8
West Virginia	62.2	63.8	63.9	65.6	66.9	65.9	66.3	R 66.5	R 66.7	66.1
Wisconsin	255.1	251.7	245.0	251.1	256.4	259.9	263.3	R 267.2	R 272.2	277.5
Wyoming	35.0	37.8	37.1	36.5	36.3	35.1	35.4	R 35.5	R 35.9	34.7
United States	14,873.7	14,830.4	14,418.7	14,783.8	15,020.6	15,354.6	15,612.2	R 16,013.3	R 16,471.5	16,716.2

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