

## 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.xls>.

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	R 137.1	R 141.7	R 146.7	R 148.2	R 148.8	R 152.6	R 157.0	R 166.3	R 171.7	R 174.7
Alaska	R 37.9	R 36.9	R 36.6	R 35.9	R 37.1	R 38.6	R 38.3	R 39.6	R 40.8	R 43.5
Arizona	R 163.1	R 177.3	192.4	R 202.2	R 206.6	R 212.2	R 224.6	R 232.1	R 251.2	R 265.8
Arkansas	R 79.2	R 80.1	R 84.5	R 85.3	R 85.3	R 88.0	R 91.8	R 96.1	R 99.1	R 101.0
California	R 1,343.1	R 1,421.7	R 1,525.6	R 1,639.0	R 1,628.0	R 1,669.7	R 1,745.0	R 1,832.8	R 1,910.3	R 1,975.5
Colorado	R 175.0	R 192.2	R 207.2	R 222.9	R 226.2	R 228.4	R 229.8	R 229.1	R 238.4	R 243.2
Connecticut	R 183.3	R 189.9	R 195.5	R 209.3	R 212.4	R 211.8	R 214.0	R 227.4	R 231.6	R 237.3
Delaware	43.1	R 47.1	R 51.8	R 54.3	R 56.6	R 54.7	R 55.6	R 57.7	R 57.1	R 58.3
District of Columbia	R 74.6	R 75.8	R 79.0	R 79.3	R 83.1	R 85.2	R 86.8	R 90.9	R 92.5	R 93.8
Florida	R 537.2	R 569.5	R 597.5	R 623.6	R 645.2	R 671.8	R 696.9	R 726.8	R 773.0	R 798.0
Georgia	R 314.1	R 336.1	R 359.5	R 373.9	378.5	R 380.9	R 391.9	R 408.6	R 425.0	R 430.4
Hawaii	R 53.1	R 51.7	52.5	R 53.7	R 53.7	R 55.4	R 58.1	R 61.6	R 64.8	R 66.3
Idaho	R 35.4	37.1	R 40.7	R 45.3	R 44.1	R 45.1	R 46.4	R 48.2	R 51.3	R 54.2
Illinois	R 553.7	R 568.4	R 589.1	R 611.1	R 610.1	R 612.7	R 621.5	R 635.5	R 646.1	R 663.6
Indiana	R 222.0	R 235.6	R 243.1	R 251.0	R 246.0	R 252.2	R 260.9	R 268.9	R 268.9	R 274.1
Iowa	107.9	R 108.5	R 110.8	R 116.4	R 114.3	R 117.6	R 122.6	R 131.7	R 135.0	R 136.9
Kansas	R 98.8	R 102.3	R 105.0	R 107.5	R 107.4	R 109.0	R 111.5	R 114.4	R 114.6	R 120.4
Kentucky	R 139.4	R 143.4	R 148.1	R 143.8	R 144.4	R 147.9	R 151.2	R 155.3	R 159.8	R 163.9
Louisiana	R 180.1	R 184.4	R 188.2	R 181.9	R 184.9	R 187.8	R 195.6	R 203.5	R 215.1	R 211.5
Maine	41.4	R 42.7	R 44.7	R 46.6	R 47.6	R 48.7	R 49.8	R 51.4	R 51.4	R 52.0
Maryland	R 216.4	R 224.8	R 233.9	R 242.3	R 251.5	R 259.6	R 266.4	R 280.4	R 290.6	R 296.5
Massachusetts	R 293.8	R 305.8	R 322.1	R 348.2	R 352.6	R 354.4	R 362.1	R 370.0	R 376.4	R 382.7
Michigan	R 386.6	R 392.3	R 413.3	R 420.2	R 408.5	R 419.7	R 427.6	R 426.2	R 431.4	R 423.6
Minnesota	203.1	R 212.8	R 220.6	R 234.7	R 235.1	R 240.6	R 251.5	R 260.8	R 267.5	R 266.4
Mississippi	R 78.5	R 80.5	R 82.8	R 83.1	R 82.3	R 83.1	R 86.4	R 88.1	R 89.5	R 91.5
Missouri	R 217.5	R 222.5	R 228.3	R 235.1	R 233.2	R 235.1	R 240.0	R 245.1	R 247.9	R 250.0
Montana	R 26.7	R 27.9	28.2	28.8	R 29.3	R 29.9	R 31.1	R 32.4	R 34.0	R 35.0
Nebraska	R 66.4	R 67.5	R 69.0	R 71.6	R 72.6	R 73.9	R 78.1	R 79.6	R 81.1	R 83.4
Nevada	R 84.8	R 89.1	R 95.8	R 100.1	R 102.3	R 105.4	R 110.8	R 122.7	R 133.3	R 138.2
New Hampshire	R 47.0	R 50.1	R 51.5	R 55.1	R 55.9	R 57.5	R 59.7	R 61.2	R 62.8	R 63.9
New Jersey	R 408.0	R 417.2	R 431.1	R 452.7	R 458.6	R 469.0	R 480.8	R 485.8	R 491.2	R 499.5
New Mexico	R 64.4	R 64.0	R 67.6	R 68.8	R 69.4	R 71.3	R 74.3	79.1	R 79.6	R 80.9
New York	R 915.0	R 939.0	R 988.8	R 1,022.8	R 1,056.7	R 1,053.3	R 1,050.0	R 1,078.6	R 1,119.3	R 1,145.5
North Carolina	R 301.1	R 315.2	R 332.4	R 341.0	R 348.0	R 353.4	R 361.1	R 375.2	R 392.1	R 413.8
North Dakota	R 20.7	R 21.7	R 21.7	R 22.5	R 23.0	R 24.2	R 25.7	R 25.9	R 26.7	R 27.8
Ohio	R 447.0	R 466.8	R 476.2	R 485.0	R 477.6	R 488.5	R 496.8	R 508.9	R 512.2	R 511.3
Oklahoma	R 109.9	R 111.7	R 113.6	R 117.5	R 121.9	R 123.2	R 125.4	R 129.1	R 133.6	R 141.6
Oregon	R 112.2	118.2	R 120.7	R 131.0	R 128.9	R 132.3	R 137.9	R 150.6	R 153.8	R 168.0
Pennsylvania	R 473.9	R 488.9	R 503.0	R 514.2	R 522.2	R 527.2	R 538.9	R 553.3	R 560.7	R 563.3
Rhode Island	R 39.0	R 40.4	R 41.7	R 43.5	R 44.4	R 45.9	R 47.8	R 49.8	R 50.4	R 51.3
South Carolina	R 131.5	R 136.1	R 142.0	R 145.2	R 145.9	R 149.3	R 154.7	R 156.3	R 159.7	R 162.7
South Dakota	22.9	R 24.2	R 25.2	R 26.9	R 27.5	R 30.4	R 31.2	R 32.4	R 33.2	R 33.5
Tennessee	R 203.0	R 213.1	R 219.5	R 221.8	R 222.2	R 229.0	R 236.6	R 246.9	R 250.8	R 256.8
Texas	R 816.6	R 867.0	R 901.0	R 930.6	R 954.8	R 968.7	R 976.6	R 1,023.2	R 1,047.0	R 1,111.8
Utah	R 75.3	R 80.1	R 83.9	R 86.8	R 88.7	R 90.1	R 92.3	R 96.3	R 102.4	R 111.1
Vermont	19.5	20.1	R 21.2	R 22.3	R 23.0	R 23.7	R 24.6	R 25.5	R 25.8	R 26.0
Virginia	294.1	R 308.8	R 323.6	R 336.2	R 346.9	R 349.5	R 362.4	R 376.8	R 396.3	R 405.7
Washington	R 259.6	R 275.3	R 295.6	R 295.9	R 289.8	R 295.7	R 300.0	R 305.3	R 325.1	R 337.0
West Virginia	55.4	56.2	R 58.4	R 58.1	R 58.1	R 58.7	R 58.7	R 59.7	R 61.2	R 62.2
Wisconsin	R 203.6	R 210.3	R 218.9	R 225.2	R 227.5	R 232.5	R 238.7	R 245.1	R 250.3	R 253.9
Wyoming	R 22.8	R 23.4	R 24.3	R 25.1	R 26.5	R 27.0	R 27.7	R 28.4	R 29.6	R 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, 2007-2015**  
(Billion Chained (2009) Dollars)

State	2007	2008	2009	2010	2011	2012	2013	2014	2015
Alabama	R 175.3	R 174.5	R 168.3	R 171.9	R 173.8	R 175.4	R 177.0	R 177.0	178.9
Alaska	R 45.7	R 46.4	R 50.5	R 49.7	R 51.0	R 53.7	R 51.4	R 49.7	49.9
Arizona	R 272.4	R 262.5	R 242.5	R 243.1	R 247.4	R 252.5	R 253.7	R 258.2	261.9
Arkansas	R 100.3	R 100.5	R 98.0	R 101.3	R 103.3	R 103.2	R 106.1	R 107.5	107.8
California	R 1,999.3	R 1,993.2	R 1,912.1	R 1,936.5	R 1,962.9	R 2,013.6	R 2,064.5	R 2,141.9	2,235.4
Colorado	R 250.3	R 252.6	R 247.3	R 248.7	R 252.3	R 257.6	R 265.9	R 278.3	286.7
Connecticut	R 247.2	R 243.9	R 233.6	R 232.4	R 228.5	R 228.2	R 224.9	R 223.5	228.5
Delaware	R 57.8	R 55.3	R 57.4	R 56.5	R 57.9	R 57.0	R 56.2	R 59.2	60.5
District of Columbia	R 96.3	R 99.0	R 98.4	R 101.7	R 103.5	R 103.7	103.5	R 105.0	106.7
Florida	R 799.1	R 764.1	R 721.8	R 727.7	R 723.3	R 729.4	R 744.6	R 763.7	791.4
Georgia	R 433.6	R 420.5	R 404.6	R 408.2	R 413.5	R 418.3	R 424.4	R 436.9	447.9
Hawaii	R 67.4	R 67.7	R 65.4	R 67.4	R 68.0	R 68.9	R 69.7	R 70.1	71.7
Idaho	R 55.8	R 56.3	R 53.9	R 54.4	R 54.3	54.4	R 56.0	57.3	58.6
Illinois	R 671.1	R 655.3	R 638.0	R 646.0	658.4	R 671.5	R 669.3	R 679.3	686.0
Indiana	R 281.6	R 279.6	R 262.1	279.1	R 280.6	R 281.5	R 288.2	R 294.0	296.2
Iowa	R 142.5	R 140.0	R 137.1	R 140.0	R 142.6	R 147.7	R 148.4	R 153.0	156.4
Kansas	R 126.1	R 129.3	R 124.0	R 126.5	130.5	R 131.3	R 131.5	R 133.4	136.3
Kentucky	R 162.4	R 162.5	R 156.3	R 163.4	R 165.7	R 166.9	R 168.3	R 169.0	170.8
Louisiana	R 205.1	R 206.6	R 210.9	R 220.9	R 209.2	R 209.4	R 202.3	R 205.7	206.8
Maine	R 51.7	51.2	R 50.4	R 50.9	R 50.2	R 50.1	R 49.8	R 50.6	51.1
Maryland	R 297.6	R 300.6	R 300.9	R 310.7	R 316.8	R 318.1	R 318.9	R 322.3	329.1
Massachusetts	R 392.0	R 392.8	R 385.7	R 399.2	R 408.4	R 415.8	R 415.0	R 421.9	437.6
Michigan	R 419.3	R 396.5	R 363.1	R 382.9	R 392.7	R 400.1	R 405.8	R 411.6	422.8
Minnesota	R 267.4	R 268.8	R 258.2	R 266.3	R 272.1	R 275.9	R 281.8	R 289.0	292.7
Mississippi	R 93.8	R 97.7	R 93.7	R 94.1	R 92.8	R 94.9	R 95.5	R 94.3	94.6
Missouri	R 250.6	R 255.4	R 250.4	R 253.1	R 250.0	R 252.6	R 256.7	R 257.2	260.9
Montana	R 36.7	R 36.7	R 36.1	R 37.4	R 38.5	R 38.7	R 39.0	R 40.1	41.0
Nebraska	R 84.7	R 85.8	R 87.0	R 90.7	R 94.6	R 94.0	R 96.4	R 99.9	100.1
Nevada	R 137.4	R 130.8	R 120.2	R 120.5	R 121.1	R 119.4	R 120.0	R 121.6	125.9
New Hampshire	R 63.8	R 63.0	R 62.2	R 63.7	R 64.0	R 64.3	R 64.6	R 65.7	67.1
New Jersey	R 502.1	R 503.4	R 482.1	R 484.4	R 480.1	R 489.5	R 496.1	R 496.5	504.6
New Mexico	R 81.0	R 82.9	R 82.8	R 83.2	R 83.5	R 83.5	R 82.7	R 85.1	86.5
New York	R 1,148.3	R 1,124.5	R 1,148.4	R 1,188.7	R 1,194.3	R 1,231.9	R 1,228.5	R 1,250.5	1,265.6
North Carolina	R 414.3	R 424.2	R 407.8	R 412.4	R 417.1	R 415.8	R 422.6	R 430.9	442.5
North Dakota	R 29.0	R 31.8	R 32.5	R 35.2	R 39.1	R 47.8	R 49.0	R 52.6	50.9
Ohio	R 510.6	R 501.5	R 479.5	R 492.4	R 510.2	R 518.6	R 523.6	R 537.8	543.4
Oklahoma	R 144.3	146.9	R 143.6	R 144.0	R 151.3	R 159.8	R 166.8	R 174.5	179.2
Oregon	R 173.1	R 182.8	R 181.0	R 190.4	R 198.3	R 192.6	R 188.8	R 191.8	200.4
Pennsylvania	R 582.1	R 591.0	R 574.0	R 589.7	R 597.3	R 607.2	R 617.1	R 628.7	644.9
Rhode Island	R 49.8	48.3	R 47.7	R 48.8	R 48.4	R 48.6	R 48.8	R 49.2	49.7
South Carolina	R 167.6	R 166.8	R 160.4	R 162.8	R 166.4	R 166.9	R 170.2	R 175.2	180.1
South Dakota	R 34.8	R 36.4	R 36.7	37.2	R 39.5	R 39.2	39.6	R 39.9	40.9
Tennessee	R 254.3	R 255.8	R 246.5	R 250.3	R 257.1	R 265.2	R 269.5	R 273.7	282.3
Texas	R 1,166.7	R 1,173.7	R 1,166.5	R 1,197.0	R 1,240.1	R 1,310.5	R 1,377.1	R 1,427.9	1,492.8
Utah	117.7	R 115.5	R 113.2	R 115.2	R 118.3	R 119.7	R 122.7	R 126.7	132.2
Vermont	R 25.9	R 26.1	R 25.5	R 26.4	R 27.0	R 27.0	R 26.9	R 27.0	27.2
Virginia	R 408.1	R 407.2	R 407.3	R 416.9	R 419.7	R 422.3	R 422.3	R 422.5	432.7
Washington	R 357.6	R 360.5	R 348.5	R 355.2	R 358.2	R 368.5	R 377.4	R 388.0	399.4
West Virginia	R 62.2	R 63.8	R 63.9	R 65.6	R 66.9	R 65.9	R 66.3	R 66.8	67.1
Wisconsin	R 255.1	R 251.7	R 245.0	R 251.1	R 256.4	R 259.9	R 263.3	R 266.8	270.3
Wyoming	R 35.0	R 37.8	R 37.1	R 36.5	R 36.3	R 35.1	R 35.4	R 35.8	35.7
United States	14,873.7	14,830.4	14,418.7	14,783.8	15,020.6	15,354.6	R 15,612.2	R 15,982.3	16,397.2

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