

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 to calculate total energy consumed per chained (2005) dollar of output are shown in Tables D1 through D4. The data are the U.S. Department of Commerce, Bureau of Economic Analysis (BEA), real GDP estimates by State, beginning in 1977. The estimates are released in June of each year.

For 1997 forward, BEA reports real GDP by State based on the North American Classification System (NAICS). From 1977 through 1997, BEA reports real GDP by State based on the Standard Industrial Classification (SIC). A set of quality indexes for real GDP by State (1997=100) is available for 1977 through 1997. Given the differences in NAICS and SIC, BEA has cautioned against appending the two data series in an attempt to construct a single time series. However, for the purpose of comparing energy intensity by State over time, real GDP for 1977 through 1996 are calculated in SEDS by applying the quantity indexes to the 1997 real GDP.

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 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 are not strictly compatible. For details, see BEA Regional Economic Accounts: Methodologies, <http://bea.gov/regional/methods.cfm>.

Data Sources

GDPRXUS — Real gross domestic product of the United States in million chained (2005) dollars.

- 1977 forward: U.S. Department of Commerce, Bureau of Economic Analysis, National Income and Products Accounts, <http://www.bea.gov/national/nipaweb/index.asp>.

GDPRXZZ — Real gross domestic product by State in million chained (2005) dollars.

- 1977 through 1996: U.S. Department of Commerce, Bureau of Economic Analysis, <http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>, select SIC classification and all industry total.
- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, <http://www.bea.gov/iTable/iTable.cfm?ReqID=70&step=1>, select NAICS classification and all industry total.

Table D1. Real Gross Domestic Product by State, 1977-1979
(Billion Chained (2005) Dollars)

State	1977	1978	1979
Alabama	69.4	73.9	75.8
Alaska	22.8	24.8	26.1
Arizona	48.9	54.0	59.1
Arkansas	38.6	41.1	41.7
California	600.0	641.3	666.6
Colorado	70.1	75.5	80.3
Connecticut	82.6	87.2	90.6
Delaware	21.0	21.9	22.1
District of Columbia	59.0	60.4	61.2
Florida	187.7	203.1	216.3
Georgia	109.3	115.9	121.4
Hawaii	29.2	30.3	31.8
Idaho	15.1	16.3	16.7
Illinois	302.5	315.4	320.4
Indiana	121.4	127.1	127.8
Iowa	62.4	66.0	67.4
Kansas	55.0	56.5	60.0
Kentucky	72.8	76.0	77.9
Louisiana	121.7	127.2	125.6
Maine	21.6	22.2	22.8
Maryland	104.2	108.7	112.0
Massachusetts	130.8	138.1	143.3
Michigan	242.2	251.9	249.7
Minnesota	91.4	96.2	100.7
Mississippi	40.9	42.1	43.7
Missouri	111.2	116.6	119.5
Montana	17.7	19.0	19.0
Nebraska	34.7	36.7	37.7
Nevada	22.6	25.2	26.8
New Hampshire	14.7	16.2	17.1
New Jersey	185.4	193.1	200.7
New Mexico	24.5	25.8	26.1
New York	499.1	521.4	532.6
North Carolina	122.3	130.0	133.8
North Dakota	12.9	14.5	14.9
Ohio	251.1	260.3	264.3
Oklahoma	67.4	70.2	73.5
Oregon	49.7	52.7	54.8
Pennsylvania	272.9	283.2	288.7
Rhode Island	20.5	21.2	21.9
South Carolina	52.7	56.4	58.9
South Dakota	12.2	13.0	13.6
Tennessee	88.5	94.4	97.4
Texas	374.2	394.8	408.0
Utah	29.2	31.4	33.0
Vermont	8.1	8.9	9.3
Virginia	129.1	135.2	139.4
Washington	108.8	117.0	124.1
West Virginia	35.3	36.1	36.5
Wisconsin	102.0	106.6	110.3
Wyoming	14.4	15.6	16.2
United States	R 5,373.1	R 5,672.8	R 5,850.1

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

Table D2. Real Gross Domestic Product by State, 1980-1989
(Billion Chained (2005) Dollars)

State	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	75.4	76.7	74.8	78.5	82.2	86.1	87.0	91.8	96.3	96.2
Alaska	30.2	34.8	35.7	34.8	36.2	40.2	33.6	39.8	37.5	39.0
Arizona	60.9	62.6	61.1	64.6	71.6	76.1	80.6	84.0	88.0	88.8
Arkansas	41.1	42.6	41.4	42.7	46.1	46.6	47.5	49.1	51.0	52.0
California	686.7	709.3	709.5	734.9	793.9	834.6	866.1	919.6	971.6	1,008.3
Colorado	83.3	86.9	88.6	89.8	95.0	97.4	96.8	98.5	101.6	102.8
Connecticut	92.3	94.5	96.9	101.7	111.1	117.0	122.4	131.7	139.7	141.6
Delaware	21.7	22.1	22.4	24.1	25.9	27.5	28.3	30.3	31.7	34.0
District of Columbia	60.6	59.5	57.8	58.3	59.6	60.5	60.8	62.6	65.3	66.5
Florida	226.9	237.9	243.7	258.0	279.7	294.8	307.9	327.8	348.1	360.8
Georgia	122.9	128.1	130.0	138.5	151.9	163.3	172.8	181.6	189.7	193.5
Hawaii	33.0	32.8	33.1	34.4	35.7	36.9	38.2	39.9	42.6	45.1
Idaho	16.8	16.8	16.2	17.0	17.3	17.6	17.3	17.7	18.7	19.9
Illinois	309.4	313.5	302.5	305.8	327.7	337.4	344.8	355.9	375.9	383.2
Indiana	121.0	122.5	115.8	118.5	129.3	131.7	133.8	138.9	145.8	151.1
Iowa	65.6	67.6	63.1	60.5	63.9	65.2	64.3	65.8	69.2	71.7
Kansas	59.3	61.0	60.5	60.8	63.6	66.0	66.2	68.5	70.3	70.8
Kentucky	75.2	77.2	74.5	74.6	80.2	82.6	81.5	84.4	90.1	92.1
Louisiana	129.6	133.0	128.0	126.5	134.0	136.4	136.2	136.7	141.8	141.7
Maine	23.2	23.4	23.7	24.7	26.4	27.6	28.8	30.7	33.0	33.6
Maryland	112.4	114.6	113.6	119.1	127.1	134.4	140.7	148.2	158.4	161.8
Massachusetts	146.0	149.6	150.3	159.1	173.9	184.2	193.2	205.7	217.9	219.0
Michigan	227.2	227.1	212.9	227.5	246.0	256.3	260.9	263.9	274.8	279.2
Minnesota	100.3	103.1	101.5	104.9	115.8	120.4	121.4	127.3	132.4	136.4
Mississippi	42.9	44.4	43.0	43.9	46.9	48.2	48.3	51.5	52.7	53.2
Missouri	114.8	116.3	114.8	118.5	128.7	130.6	134.2	139.5	145.7	148.7
Montana	19.1	19.8	18.9	18.9	19.1	18.6	18.4	18.6	18.4	19.1
Nebraska	37.3	39.4	38.5	37.6	40.4	41.8	41.0	41.1	43.5	44.8
Nevada	27.6	28.7	28.4	29.3	30.7	32.0	33.8	36.0	39.2	42.2
New Hampshire	17.6	18.3	18.7	19.9	22.3	24.3	25.9	28.9	30.7	30.7
New Jersey	200.7	206.0	206.4	220.9	238.5	251.0	262.8	280.9	301.6	305.8
New Mexico	26.9	27.3	26.8	27.3	28.6	29.7	29.4	29.5	30.0	30.7
New York	532.6	542.4	546.4	557.9	591.6	607.5	623.1	649.7	687.2	685.9
North Carolina	134.3	139.0	136.1	143.0	155.3	165.1	171.5	179.6	190.1	196.3
North Dakota	14.3	16.5	15.9	15.6	15.9	16.0	14.9	15.3	14.1	14.9
Ohio	253.1	255.7	242.9	252.7	274.7	284.6	287.2	295.6	306.8	313.4
Oklahoma	77.0	81.4	83.8	79.8	83.6	85.0	80.6	79.2	83.0	83.3
Oregon	54.4	53.0	50.2	50.7	53.9	55.2	56.3	58.1	61.8	63.5
Pennsylvania	281.8	283.0	272.2	279.7	295.0	302.2	307.8	324.7	340.5	346.1
Rhode Island	21.7	22.3	22.2	22.8	24.4	26.0	27.4	28.6	30.6	31.4
South Carolina	59.1	61.2	60.1	64.0	70.1	72.7	76.1	81.7	85.9	88.7
South Dakota	13.0	13.8	13.4	13.3	14.3	14.9	15.1	15.4	15.5	15.8
Tennessee	96.0	98.7	96.5	101.7	109.2	113.3	117.0	125.2	131.1	132.4
Texas	422.3	449.0	450.6	449.9	476.1	497.4	486.4	484.4	513.5	526.6
Utah	33.7	35.0	34.8	36.0	38.8	41.0	40.4	40.6	42.8	43.3
Vermont	9.5	9.8	9.8	10.2	10.7	11.3	11.8	12.8	13.9	14.6
Virginia	141.5	146.0	146.5	153.2	163.7	171.8	180.6	191.4	201.3	208.3
Washington	125.0	128.9	128.9	131.0	135.8	137.1	143.3	149.8	158.8	166.9
West Virginia	35.9	35.4	34.4	33.5	35.3	35.7	35.2	35.3	37.9	37.8
Wisconsin	108.7	109.0	106.7	108.8	115.4	119.3	121.2	124.8	132.4	135.1
Wyoming	17.7	18.3	17.1	16.2	17.0	17.2	16.4	16.0	17.0	17.0
United States	R 5,834.0	R 5,982.1	R 5,865.9	R 6,130.9	R 6,571.5	R 6,843.4	R 7,080.5	R 7,307.0	R 7,607.4	R 7,879.2

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

Table D3. Real Gross Domestic Product by State, 1990-1999
(Billion Chained (2005) Dollars)

State	1990	1991	1992	1993	1994	1995	1996 ^a	1997 ^a	1998	1999
Alabama	97.7	100.5	104.8	106.4	110.6	114.4	118.3	122.3	126.2	130.8
Alaska	38.7	34.8	35.2	35.1	35.3	37.2	36.7	37.1	35.3	34.9
Arizona	89.5	89.8	99.0	104.0	114.1	122.8	132.5	141.7	155.0	168.3
Arkansas	52.6	54.9	58.2	60.0	63.4	66.0	68.9	71.3	72.4	76.3
California	1,037.9	1,023.0	1,021.3	1,017.2	1,036.4	1,077.4	1,120.6	1,187.9	1,268.5	1,367.8
Colorado	105.2	107.4	114.8	122.3	130.7	138.2	145.6	157.5	167.0	179.8
Connecticut	142.2	138.8	140.7	138.9	142.0	150.9	154.8	164.7	169.3	173.0
Delaware	34.8	36.2	36.5	36.2	38.6	40.2	41.0	42.3	43.4	44.8
District of Columbia	67.9	66.7	67.1	68.1	68.1	66.2	65.3	66.0	66.4	69.6
Florida	369.4	371.4	385.3	399.9	419.5	435.1	457.5	477.2	500.2	525.0
Georgia	197.0	199.5	210.9	220.5	236.4	249.7	266.5	280.7	295.9	316.4
Hawaii	48.2	49.0	50.3	49.4	49.3	48.7	48.2	48.1	47.1	47.4
Idaho	20.6	21.0	22.5	24.5	26.4	28.6	29.5	31.0	32.3	35.6
Illinois	387.3	386.9	402.0	410.6	436.2	448.1	465.8	487.8	502.7	518.6
Indiana	151.7	151.7	161.5	166.4	176.5	182.0	189.4	198.1	208.1	214.0
Iowa	73.8	74.2	77.8	77.8	84.3	86.7	91.7	96.7	97.5	100.0
Kansas	72.4	73.2	75.3	75.8	79.7	80.6	84.0	88.5	92.0	94.7
Kentucky	93.2	94.1	99.3	102.3	108.6	112.4	116.6	123.6	127.0	130.9
Louisiana	144.6	144.3	134.9	138.0	149.7	157.8	159.3	165.2	172.5	174.4
Maine	33.4	32.4	32.8	33.0	33.9	34.7	35.8	37.1	38.4	40.0
Maryland	163.7	160.7	162.0	164.7	170.8	173.6	177.8	186.1	193.9	202.1
Massachusetts	212.4	206.0	208.7	210.2	219.9	227.5	239.9	254.0	265.6	279.6
Michigan	273.6	268.9	280.4	288.7	314.1	314.8	326.1	341.4	349.7	363.5
Minnesota	137.8	137.8	145.5	145.8	154.6	159.2	169.4	179.7	189.3	197.8
Mississippi	53.4	54.6	57.5	60.1	64.1	67.3	69.3	71.3	73.4	75.5
Missouri	147.0	149.3	153.7	154.2	165.1	173.5	180.6	190.3	195.1	199.8
Montana	19.5	20.0	21.0	21.9	22.7	22.9	23.3	24.0	24.8	25.3
Nebraska	46.7	48.2	50.6	50.8	54.9	55.8	59.0	60.3	60.6	62.3
Nevada	45.6	46.6	50.1	54.3	59.6	63.1	68.8	73.5	78.2	84.2
New Hampshire	29.6	29.7	30.9	31.3	32.6	35.1	37.8	40.0	43.1	45.1
New Jersey	308.1	307.3	312.4	315.9	322.7	330.4	344.8	355.9	363.0	374.7
New Mexico	31.4	35.0	37.0	41.0	46.0	46.8	48.8	53.3	54.2	57.8
New York	687.8	666.5	675.7	679.0	688.4	702.9	731.9	767.2	789.2	829.6
North Carolina	197.6	197.9	208.9	215.5	231.5	242.8	252.2	269.9	281.5	303.2
North Dakota	15.4	15.4	16.6	16.4	17.6	18.0	19.3	19.3	20.5	20.4
Ohio	316.7	314.4	329.1	331.9	351.8	364.3	376.7	397.4	410.5	418.2
Oklahoma	83.7	84.1	86.1	88.3	90.3	92.2	96.7	101.2	103.5	107.0
Oregon	66.2	67.3	69.9	74.0	78.5	83.6	95.4	102.4	108.0	111.9
Pennsylvania	351.4	352.3	362.9	368.5	378.9	391.4	401.7	416.7	432.3	443.2
Rhode Island	31.0	29.9	30.4	30.7	31.0	31.8	32.3	34.4	35.1	36.3
South Carolina	91.6	92.4	95.4	98.8	104.4	108.2	111.5	117.3	121.9	127.2
South Dakota	16.6	17.4	18.4	19.4	20.5	20.9	21.9	22.3	23.7	25.1
Tennessee	131.7	136.4	147.0	153.5	162.7	168.1	173.6	182.3	189.7	196.6
Texas	543.5	552.3	574.0	594.6	627.9	659.6	698.6	754.4	802.2	837.3
Utah	45.6	47.4	49.2	51.6	55.9	60.0	65.9	68.7	73.1	75.8
Vermont	14.8	14.4	15.1	15.3	15.8	15.8	16.5	17.3	18.1	18.9
Virginia	211.7	210.9	215.1	221.2	230.1	236.6	246.8	257.4	269.7	284.5
Washington	176.6	180.4	186.9	191.7	198.4	199.3	210.4	223.5	237.1	257.2
West Virginia	38.5	39.2	40.3	41.5	44.1	45.3	46.3	47.3	48.3	50.1
Wisconsin	137.7	139.5	147.2	152.9	161.0	164.3	172.1	179.8	186.8	194.2
Wyoming	17.8	18.4	18.7	19.3	19.7	20.3	20.8	21.0	21.5	22.7
United States	R 8,027.1	R 8,008.3	R 8,280.0	R 8,516.2	R 8,863.1	R 9,086.0	R 9,425.8	R 9,845.9	R 10,274.7	R 10,770.7

^a There is a discontinuity in the gross domestic product (GDP) by State time series at 1997, where the data changes from Standard Industrial Classification (SIC) industry definitions to North American Industry Classification System (NAICS) industry definitions. Users of the GDP by State estimates are strongly cautioned against appending the two data series in an attempt to construct a single time series of GDP by State estimates.

Where shown, R = Revised data.

Source: See first page of this appendix.

Table D4. Real Gross Domestic Product by State, 2000-2010
(Billion Chained (2005) Dollars)

State	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Alabama	132.6	133.8	137.0	140.0	147.0	151.1	153.9	R 155.8	R 155.7	R 151.0	154.1
Alaska	34.1	35.7	37.1	36.3	38.2	37.8	39.9	R 40.8	R 40.6	R 44.2	45.0
Arizona	179.3	186.0	190.4	200.1	207.6	223.0	239.0	R 244.9	R 240.6	R 226.8	228.5
Arkansas	77.3	78.2	80.3	82.7	85.8	88.2	90.6	91.2	R 91.1	R 89.7	91.8
California	1,470.4	1,472.4	1,501.8	1,548.9	1,622.0	1,692.0	1,747.8	R 1,768.6	R 1,766.5	R 1,701.3	1,731.8
Colorado	195.2	201.8	204.4	205.1	209.4	217.4	223.1	R 228.7	R 233.0	R 231.8	235.2
Connecticut	185.3	186.6	183.6	184.9	194.6	197.1	204.2	R 210.3	R 208.7	R 205.0	211.3
Delaware	46.9	49.1	47.8	50.5	52.8	54.7	55.3	R 57.1	R 54.3	R 55.5	56.2
District of Columbia	69.8	73.8	76.0	77.9	80.9	82.8	84.0	R 85.7	R 88.3	R 87.6	90.7
Florida	548.8	562.9	582.7	609.6	641.0	680.3	706.6	R 714.0	R 689.9	R 664.1	673.4
Georgia	329.7	334.0	337.8	343.1	352.8	363.2	370.1	R 378.7	R 375.5	R 357.2	362.0
Hawaii	48.7	48.3	49.5	51.5	54.2	56.9	58.9	R 59.7	R 60.2	R 58.6	59.3
Idaho	39.4	39.3	40.2	41.3	44.7	48.7	49.5	51.5	R 51.5	R 49.7	50.7
Illinois	537.1	538.8	540.7	551.7	565.4	569.5	583.0	R 591.5	R 586.0	R 570.3	581.3
Indiana	221.9	218.2	224.3	232.7	238.8	239.6	242.2	R 249.0	R 244.7	R 234.8	245.4
Iowa	105.3	103.2	106.1	110.1	118.3	120.3	121.4	R 127.3	R 125.0	R 123.8	127.7
Kansas	97.9	99.2	100.2	102.7	102.9	105.2	108.8	R 114.0	R 115.3	R 111.7	114.0
Kentucky	128.3	128.5	131.9	133.4	135.9	139.3	142.5	R 142.3	R 142.8	R 140.1	144.6
Louisiana	168.0	171.6	173.7	181.5	190.7	197.2	192.9	R 185.4	R 182.7	R 190.1	195.2
Maine	41.6	42.5	43.6	44.2	45.8	45.6	46.2	R 46.3	R 46.1	R 45.0	46.0
Maryland	209.7	218.6	225.4	230.8	239.9	248.1	252.4	R 257.0	R 259.4	R 257.4	264.9
Massachusetts	301.3	308.6	308.9	313.4	319.7	323.3	328.2	334.3	R 339.5	R 328.2	342.1
Michigan	371.2	362.3	372.9	377.6	373.7	375.3	367.8	368.3	R 352.5	R 335.0	344.9
Minnesota	211.2	212.8	217.7	225.1	234.3	238.4	238.9	R 239.7	R 243.0	R 236.0	243.4
Mississippi	76.0	75.9	76.7	79.1	80.4	81.5	83.1	R 87.0	R 88.3	R 86.1	87.1
Missouri	204.8	204.4	208.0	211.9	214.8	216.6	217.1	R 219.6	R 222.7	R 214.3	217.3
Montana	25.8	26.7	26.9	28.1	29.2	30.1	30.9	32.2	R 31.9	R 31.5	31.8
Nebraska	65.2	65.9	66.5	70.1	71.1	72.5	74.5	77.1	R 77.7	R 78.2	79.7
Nevada	88.1	89.0	91.1	96.1	104.9	114.8	119.5	R 124.0	R 119.9	R 111.9	111.6
New Hampshire	48.7	48.7	50.0	51.4	52.8	53.7	54.5	R 54.8	54.8	R 53.9	54.6
New Jersey	393.3	402.0	407.4	415.3	423.7	430.0	440.6	R 444.7	R 445.5	R 428.2	438.7
New Mexico	58.5	60.2	61.6	63.3	67.7	67.8	69.3	R 69.7	R 69.2	R 71.6	72.8
New York	863.2	896.1	892.5	894.0	920.8	961.9	1,002.0	R 1,018.6	R 1,014.7	R 984.4	1,034.3
North Carolina	316.4	320.6	324.2	327.7	336.0	355.0	370.3	R 380.2	R 375.6	R 368.0	380.6
North Dakota	21.2	21.5	22.6	23.9	24.0	24.7	25.3	R 26.4	R 28.6	R 29.2	31.3
Ohio	429.1	420.4	429.7	434.0	442.3	444.7	440.7	R 442.6	R 435.7	R 417.3	426.1
Oklahoma	110.3	114.7	115.4	116.6	119.9	120.7	126.6	R 129.7	R 133.4	R 132.1	133.5
Oregon	121.2	119.9	125.7	129.2	139.6	143.3	157.7	R 162.7	R 169.6	R 161.2	166.7
Pennsylvania	452.4	453.6	463.5	472.0	479.3	482.3	489.5	R 498.8	R 499.5	R 491.0	505.9
Rhode Island	38.4	39.8	41.4	43.1	44.4	44.2	45.0	R 44.5	R 43.6	R 42.8	44.0
South Carolina	130.8	132.1	134.3	138.4	139.2	141.9	144.1	R 148.4	R 146.6	R 141.4	145.1
South Dakota	26.9	27.6	29.7	30.4	31.0	31.6	31.8	R 33.0	R 35.3	R 35.5	36.3
Tennessee	198.1	200.2	206.5	211.0	219.6	224.5	230.6	R 230.8	R 231.1	R 220.9	228.7
Texas	872.6	895.4	916.4	918.0	968.4	971.0	1,017.5	R 1,072.7	R 1,070.8	R 1,076.4	1,106.2
Utah	79.6	81.1	81.8	83.3	85.8	90.7	96.8	R 101.7	R 102.6	R 101.1	102.8
Vermont	20.0	20.5	21.0	21.6	22.5	22.8	23.0	R 22.9	R 23.0	R 22.4	23.1
Virginia	298.2	311.2	315.4	326.3	340.1	356.9	363.7	R 367.0	R 371.9	R 370.9	380.6
Washington	259.1	255.3	257.6	261.8	266.1	279.4	290.8	R 306.0	R 309.2	R 301.9	306.6
West Virginia	49.6	49.9	50.6	50.6	51.5	52.0	52.7	R 52.4	R 52.4	R 53.8	56.0
Wisconsin	199.2	200.7	204.5	209.2	215.1	218.9	222.8	R 224.5	R 222.1	R 215.9	221.3
Wyoming	23.1	24.8	25.2	25.6	26.5	26.2	28.7	R 29.8	31.4	R 34.5	34.4
United States	R 11,216.4	R 11,337.5	R 11,543.1	R 11,836.4	R 12,246.9	R 12,623.0	R 12,958.5	R 13,206.4	R 13,161.9	R 12,703.1	13,088.0

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