

Appendix D

Real Gross Domestic Product by State

The real gross domestic product (GDP) data used in the Energy Information Administration State Energy Data System to calculate total energy consumed per chained (2000) dollar of output are shown in Tables F1 through F4. 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 June of each year.

For 1977 through 1989, BEA does not provide the real GDP by State estimates. However, BEA's quantity indexes for real GDP by State (2000=100.000) are used to calculate real GDP from 1977 to 1989. For 1990 through 1996, BEA reports real GDP by State based on the Standard Industrial Classification (SIC). For 1997 forward, BEA reports real GDP by State based on the North American Industry Classification System (NAICS). Given this discontinuity in the GDP by States series at 1997, users of these data are strongly cautioned against appending the two data series in an attempt to construct a single time series of GDP by State estimates.

The U.S real GDP is extracted from the same data source as the State data. This series does not match the national account GDP series. For details, see BEA Regional Economic Accounts: Methodologies, <http://www.bea.gov/regional/methods.cfm>.

Data Sources

GDPRXUS — Real gross domestic product of the United States in million chained (2000) dollars.

- 1977 through 1996: U.S. Department of Commerce, Bureau of Economic Analysis, <http://www.bea.gov/regional/gsp/default.cfm?series=SIC>.
- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, <http://www.bea.gov/regional/gsp/default.cfm?series=NAICS>.

GDPRXZZ — Real gross domestic product by State in million chained (2000) dollars.

- 1977 through 1996: U.S. Department of Commerce, Bureau of Economic Analysis, <http://www.bea.gov/regional/gsp/default.cfm?series=SIC>.
- 1997 forward: U.S. Department of Commerce, Bureau of Economic Analysis, <http://www.bea.gov/regional/gsp/default.cfm?series=NAICS>.

Table D1. Gross Domestic Product by State, 1977-1979
(Billion Chained (2000) Dollars)

State	1977	1978	1979
Alabama	61.4	65.4	67.1
Alaska	18.9	20.6	21.7
Arizona	44.6	49.3	54.1
Arkansas	32.9	35.3	35.8
California	539.8	576.8	598.7
Colorado	61.2	66.2	70.7
Connecticut	72.3	76.1	79.0
Delaware	16.8	17.6	17.7
District of Columbia	46.2	47.5	48.1
Florida	165.1	179.4	191.6
Georgia	96.5	102.4	107.2
Hawaii	25.5	26.5	28.0
Idaho	14.3	15.5	15.8
Illinois	264.8	276.1	280.1
Indiana	105.1	110.2	110.6
Iowa	53.4	56.5	57.6
Kansas	47.9	49.2	52.2
Kentucky	62.6	65.4	67.0
Louisiana	104.3	109.4	108.1
Maine	18.6	19.1	19.6
Maryland	91.0	94.7	97.1
Massachusetts	117.8	124.1	128.6
Michigan	207.6	215.5	213.1
Minnesota	81.3	85.5	89.5
Mississippi	35.9	37.1	38.5
Missouri	98.0	102.8	105.4
Montana	14.6	15.7	15.7
Nebraska	29.5	31.3	32.2
Nevada	19.9	22.3	24.0
New Hampshire	13.9	15.3	16.2
New Jersey	161.8	168.6	175.2
New Mexico	22.6	23.9	24.1
New York	441.4	459.2	467.9
North Carolina	107.7	114.6	118.0
North Dakota	11.5	12.8	13.2
Ohio	219.2	227.3	230.8
Oklahoma	56.8	59.3	62.2
Oregon	47.6	50.7	52.8
Pennsylvania	237.2	246.2	250.9
Rhode Island	18.2	18.7	19.3
South Carolina	45.5	48.8	51.0
South Dakota	11.0	11.7	12.3
Tennessee	77.6	82.9	85.6
Texas	317.2	335.2	346.8
Utah	24.8	26.7	28.1
Vermont	7.5	8.3	8.6
Virginia	115.1	120.6	124.6
Washington	90.4	97.7	104.0
West Virginia	30.4	31.0	31.3
Wisconsin	88.9	93.1	96.2
Wyoming	12.0	13.1	13.7
U.S. Total	4,711.5	4,965.4	5,113.0

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

Table D2. Gross Domestic Product by State, 1980-1989
(Billion Chained (2000) Dollars)

State	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	66.8	68.0	66.2	69.3	73.0	76.6	77.5	81.8	85.2	85.2
Alaska	24.9	28.6	29.5	28.8	30.1	33.4	27.4	32.0	31.0	32.1
Arizona	55.6	56.8	55.3	58.4	65.0	69.7	73.9	76.7	79.8	80.3
Arkansas	35.3	36.5	35.5	36.6	39.6	40.1	40.8	42.1	43.7	44.7
California	613.5	633.6	634.0	659.2	719.0	760.3	790.7	838.6	887.9	925.9
Colorado	73.1	76.3	77.9	78.9	83.6	85.7	84.5	86.0	87.9	89.0
Connecticut	80.6	82.4	84.2	88.2	96.0	101.0	106.0	114.6	122.1	123.9
Delaware	17.4	17.7	18.0	19.4	20.9	22.3	22.9	24.5	25.6	27.4
District of Columbia	47.9	47.2	46.1	46.5	47.7	48.6	49.0	50.6	52.7	53.9
Florida	201.8	211.3	214.7	227.4	246.6	259.6	270.0	287.2	303.7	314.5
Georgia	108.4	112.6	114.1	121.5	134.1	144.6	152.8	159.9	166.5	169.6
Hawaii	28.8	28.2	28.2	29.2	30.2	31.0	32.0	33.5	35.5	37.9
Idaho	15.9	16.0	15.4	16.0	16.4	16.9	16.5	16.9	17.8	18.9
Illinois	271.0	274.2	264.8	266.8	286.8	294.8	300.8	310.7	327.1	333.0
Indiana	104.6	105.9	99.9	102.1	111.7	114.1	115.9	120.2	125.9	130.6
Iowa	56.5	58.5	54.7	52.1	55.6	57.1	56.3	57.5	60.5	62.8
Kansas	51.5	53.1	52.7	52.8	55.3	57.6	57.6	59.4	60.7	61.1
Kentucky	65.2	67.1	64.8	64.5	69.9	72.4	72.2	75.1	78.2	80.4
Louisiana	111.4	114.9	110.6	109.3	115.8	117.8	115.0	114.5	120.3	119.6
Maine	20.0	20.2	20.5	21.4	23.0	24.2	25.3	27.0	29.1	29.6
Maryland	97.5	99.7	98.9	103.7	111.7	118.8	124.8	131.5	140.4	143.8
Massachusetts	131.2	134.9	136.0	144.1	158.4	168.7	177.7	190.0	201.0	201.9
Michigan	193.8	194.3	182.0	194.0	210.7	220.5	224.5	226.7	235.0	238.2
Minnesota	89.2	91.9	90.5	92.9	102.8	107.2	108.0	113.2	117.1	120.6
Mississippi	37.8	39.2	37.9	38.7	41.4	42.7	42.6	45.1	46.3	46.6
Missouri	101.4	102.4	101.1	104.2	113.6	115.4	118.5	122.4	127.3	129.7
Montana	15.8	16.4	15.8	15.7	15.9	15.6	15.4	15.5	15.3	15.9
Nebraska	31.8	33.7	33.0	32.1	34.7	36.2	35.5	35.5	37.5	38.7
Nevada	24.7	25.6	25.3	26.0	27.4	28.6	30.0	31.8	34.6	37.5
New Hampshire	16.7	17.3	17.6	18.7	21.1	23.2	24.8	27.7	29.1	28.9
New Jersey	175.7	179.7	179.8	192.0	207.9	219.1	229.4	244.2	262.6	265.8
New Mexico	25.0	25.4	25.0	25.4	26.8	27.9	27.4	27.3	27.6	28.2
New York	468.5	477.0	482.5	493.6	528.0	542.4	558.5	585.8	619.2	620.4
North Carolina	118.6	122.5	119.8	126.1	137.6	146.6	152.2	158.5	167.5	172.8
North Dakota	12.7	14.6	14.1	13.7	14.1	14.2	13.2	13.5	12.4	13.1
Ohio	221.5	223.4	212.0	220.2	240.0	249.0	251.2	257.6	266.7	271.9
Oklahoma	65.2	69.1	71.2	67.8	71.2	72.4	67.8	66.2	69.6	69.5
Oregon	52.3	50.6	47.8	48.2	51.4	52.8	53.8	55.3	58.9	60.7
Pennsylvania	246.0	247.0	237.9	243.9	258.1	264.7	269.6	283.6	296.1	301.3
Rhode Island	19.4	19.8	19.7	20.2	21.8	23.1	24.2	25.2	26.9	27.5
South Carolina	51.3	53.1	52.1	55.4	61.0	63.3	66.2	70.6	74.3	76.7
South Dakota	11.8	12.4	12.1	11.9	12.9	13.4	13.6	13.9	14.0	14.2
Tennessee	84.7	86.8	84.9	89.4	96.3	100.2	103.4	110.2	114.7	116.0
Texas	359.6	381.6	383.5	383.4	407.8	425.8	412.8	409.7	436.6	447.8
Utah	28.7	29.8	29.6	30.6	33.1	35.1	34.6	34.7	36.3	36.9
Vermont	8.9	9.2	9.1	9.5	10.0	10.6	11.1	12.0	13.1	13.6
Virginia	126.6	130.4	130.7	136.6	146.7	154.2	162.1	171.5	179.6	185.8
Washington	104.4	107.1	106.9	109.2	113.0	114.2	118.9	123.3	130.5	137.2
West Virginia	31.3	30.9	30.1	28.9	30.6	30.9	31.0	31.4	32.4	32.7
Wisconsin	94.8	95.0	93.0	94.6	100.6	104.3	105.9	108.4	114.9	117.0
Wyoming	15.0	15.6	14.8	13.9	14.7	14.9	14.2	13.9	14.4	14.5
U.S. Total	5,116.1	5,252.3	5,185.7	5,331.7	5,739.4	5,981.2	6,104.0	6,357.9	6,684.4	6,837.5

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

Table D3. Gross Domestic Product by State, 1990-1999
(Billion Chained (2000) Dollars)

State	1990	1991	1992	1993	1994	1995	1996 ^a	1997 ^a	1998	1999
Alabama	86.6	88.8	92.6	93.7	97.1	100.2	103.2	107.6	110.7	114.4
Alaska	31.9	28.6	28.9	28.6	28.5	29.9	29.5	28.1	26.8	27.1
Arizona	81.1	81.8	88.1	91.7	100.2	107.5	116.1	127.4	138.7	149.7
Arkansas	45.1	47.1	49.8	51.1	53.9	56.1	58.4	62.5	64.3	67.1
California	955.9	937.4	936.3	927.1	937.9	971.3	1,007.4	1,043.5	1,108.7	1,196.6
Colorado	91.3	93.6	98.9	104.7	111.2	117.2	123.4	137.9	147.9	159.4
Connecticut	124.6	121.4	122.7	121.6	124.0	131.3	135.1	144.9	150.8	153.3
Delaware	28.1	29.0	29.2	29.1	30.1	31.7	32.3	38.3	38.8	40.8
District of Columbia	55.1	54.0	54.6	55.2	54.9	53.2	52.2	54.7	55.1	58.4
Florida	320.5	321.6	332.2	343.5	357.4	369.6	387.7	414.7	435.6	453.3
Georgia	172.1	174.0	183.6	191.1	204.1	215.5	229.7	250.8	266.0	282.8
Hawaii	41.0	41.4	42.3	41.9	41.3	40.8	40.4	40.4	39.6	39.7
Idaho	19.6	20.0	21.3	23.1	24.8	26.9	27.7	28.8	30.0	32.8
Illinois	336.3	335.6	347.5	353.3	373.6	384.2	397.3	425.0	440.0	452.9
Indiana	131.0	131.0	139.1	143.3	151.2	155.8	161.9	176.9	185.2	189.3
Iowa	64.5	64.8	67.6	67.6	73.0	74.8	78.8	85.7	86.4	87.6
Kansas	62.4	63.0	64.6	64.9	67.8	68.5	71.4	76.1	79.4	80.8
Kentucky	81.3	81.8	86.6	88.9	94.3	97.6	101.1	111.6	113.2	115.7
Louisiana	121.7	121.4	113.1	115.0	124.4	130.7	131.8	128.9	134.7	137.0
Maine	29.3	28.3	28.6	28.6	29.2	29.8	30.6	33.4	33.4	34.3
Maryland	145.2	142.4	142.4	144.4	148.8	150.8	154.0	162.7	168.9	175.4
Massachusetts	195.7	189.9	192.1	194.5	203.3	209.8	220.4	227.1	240.6	255.2
Michigan	234.2	230.1	238.8	247.5	267.9	268.3	277.6	317.3	323.1	333.0
Minnesota	121.5	121.7	128.3	128.3	135.8	139.6	148.4	163.1	170.6	176.3
Mississippi	46.7	47.7	49.9	51.8	54.9	57.5	59.0	61.6	63.3	64.7
Missouri	128.0	129.7	133.0	132.9	140.7	147.7	153.2	168.2	171.7	172.9
Montana	16.2	16.6	17.3	18.0	18.6	18.6	18.9	20.1	20.6	20.9
Nebraska	40.3	41.5	43.2	43.4	46.5	47.3	50.0	52.8	53.7	54.4
Nevada	40.5	41.3	43.9	47.1	51.3	54.5	59.4	64.5	66.9	70.7
New Hampshire	27.7	27.9	29.2	29.6	30.9	33.2	35.7	36.6	39.6	40.6
New Jersey	266.6	265.0	272.3	276.2	281.7	288.4	300.9	316.1	325.8	334.1
New Mexico	28.7	31.8	33.5	36.8	41.1	41.7	43.4	45.8	46.3	50.1
New York	624.3	606.0	614.3	616.9	627.1	640.1	665.7	671.0	698.9	736.5
North Carolina	173.6	173.3	182.6	187.7	200.8	210.7	218.4	239.7	251.0	267.0
North Dakota	13.5	13.5	14.5	14.3	15.2	15.5	16.6	17.0	17.5	17.2
Ohio	274.9	272.7	283.8	285.6	300.5	310.4	319.4	350.6	362.7	368.5
Oklahoma	70.0	70.2	71.8	73.3	74.5	75.9	79.6	82.9	84.5	86.9
Oregon	63.2	64.2	66.3	69.6	73.1	77.5	88.1	95.6	100.9	104.3
Pennsylvania	305.2	305.7	316.0	320.4	327.1	337.5	345.2	362.9	376.2	384.4
Rhode Island	27.2	26.3	26.7	27.1	27.3	28.1	28.7	30.4	30.9	31.6
South Carolina	79.0	79.4	81.3	83.9	88.2	91.3	93.8	103.3	107.1	110.9
South Dakota	14.9	15.7	16.4	17.3	18.0	18.4	19.3	20.2	21.1	21.8
Tennessee	115.5	119.2	127.9	133.1	140.9	145.2	149.4	163.0	168.2	173.6
Texas	462.0	469.4	488.3	505.8	530.4	554.8	585.8	627.5	666.6	699.1
Utah	38.8	40.3	41.7	43.7	46.9	50.2	55.0	60.1	63.0	65.6
Vermont	13.8	13.3	14.0	14.2	14.6	14.6	15.2	15.5	16.2	17.0
Virginia	187.9	186.5	190.1	194.8	201.6	206.6	215.1	226.0	237.6	248.6
Washington	145.6	148.9	154.8	159.0	163.8	164.8	173.1	188.5	204.3	219.6
West Virginia	33.2	33.5	34.7	35.6	37.6	38.5	39.3	40.6	40.8	42.0
Wisconsin	119.1	120.7	127.0	131.7	138.1	140.8	147.2	160.2	166.9	172.4
Wyoming	15.2	15.5	15.5	15.9	16.2	16.6	17.1	16.0	16.1	17.0
U.S. Total	6,939.7	6,917.7	7,114.7	7,240.8	7,538.5	7,784.2	8,106.7	8,621.0	9,004.7	9,404.3

^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. Gross Domestic Product by State, 2000-2007
(Billion Chained (2000) Dollars)

State	2000	2001	2002	2003	2004	2005	2006	2007
Alabama	114.6	115.6	118.2	121.6	127.8	R 132.3	R 134.9	136.1
Alaska	27.0	25.8	28.0	27.4	28.9	29.3	R 30.6	30.6
Arizona	158.5	163.4	166.9	174.2	180.5	R 196.2	R 208.6	211.6
Arkansas	66.8	67.0	68.9	70.8	74.2	R 76.5	R 77.5	78.7
California	1,287.1	1,281.7	1,298.8	1,337.8	1,406.8	R 1,467.9	R 1,512.9	1,539.4
Colorado	171.9	174.8	175.5	176.5	180.6	R 188.4	R 193.4	197.3
Connecticut	160.4	161.2	158.6	159.5	165.8	R 169.1	R 174.3	178.5
Delaware	41.5	43.0	42.9	44.9	46.7	R 49.9	R 49.6	50.1
District of Columbia	58.7	61.6	62.8	64.7	67.5	R 70.0	R 71.4	72.6
Florida	471.3	484.9	497.3	520.4	548.6	R 589.3	R 613.6	613.4
Georgia	290.9	292.8	294.1	299.7	310.7	R 322.6	R 326.5	331.3
Hawaii	40.2	40.6	41.1	42.6	44.6	46.9	R 48.7	49.4
Idaho	35.0	35.2	35.7	36.5	39.6	R 42.9	R 43.8	45.5
Illinois	464.2	464.9	466.2	479.3	487.6	R 490.3	R 505.3	514.8
Indiana	194.4	190.3	196.8	203.5	209.5	R 208.1	R 208.3	211.1
Iowa	90.2	89.4	92.8	95.3	100.9	R 102.6	R 104.5	108.1
Kansas	82.8	83.9	85.3	86.7	88.3	R 90.0	R 93.1	96.0
Kentucky	111.9	112.2	115.5	117.2	119.9	R 122.9	R 125.8	127.0
Louisiana	131.5	129.2	129.7	131.9	139.3	R 140.3	R 143.1	144.4
Maine	35.5	36.2	36.7	37.3	38.9	R 39.0	39.4	39.8
Maryland	180.4	187.5	193.5	198.0	205.5	R 211.4	R 214.2	217.9
Massachusetts	274.9	276.6	275.0	280.9	286.5	R 289.9	R 297.6	306.5
Michigan	337.2	326.9	336.9	341.1	337.9	R 339.9	R 334.8	331.0
Minnesota	185.1	186.3	191.1	196.7	205.1	R 208.4	R 209.4	212.8
Mississippi	64.3	64.0	64.6	66.6	67.9	R 68.4	R 69.6	70.5
Missouri	176.7	177.8	179.9	183.2	186.4	R 189.1	R 188.8	191.2
Montana	21.4	21.7	22.2	23.3	24.0	R 25.2	R 25.8	26.8
Nebraska	55.5	55.8	56.9	59.9	60.9	R 62.2	R 63.8	65.7
Nevada	73.7	75.1	77.1	81.6	89.9	R 97.2	R 101.1	103.9
New Hampshire	43.5	43.6	44.6	45.9	47.7	R 48.5	R 49.3	49.6
New Jersey	344.8	355.1	357.9	366.6	375.8	R 379.1	R 384.6	388.0
New Mexico	50.7	50.9	51.6	53.7	56.9	R 57.6	R 59.0	60.2
New York	777.2	794.4	791.7	808.4	829.9	R 865.7	R 912.9	949.5
North Carolina	273.7	278.3	282.4	286.4	295.6	309.7	R 326.9	329.1
North Dakota	17.8	17.9	18.8	19.9	20.0	R 20.9	R 21.1	22.6
Ohio	372.0	365.7	373.5	378.7	387.4	R 390.6	R 387.3	388.3
Oklahoma	89.8	91.8	92.9	94.3	97.3	99.2	R 102.2	104.1
Oregon	112.4	110.5	115.0	117.9	125.9	R 129.4	R 139.6	144.8
Pennsylvania	389.6	395.6	403.0	411.6	416.2	R 422.5	R 431.0	438.9
Rhode Island	33.6	34.2	34.9	36.5	37.8	R 37.8	R 38.5	38.5
South Carolina	112.5	114.1	115.7	119.6	119.9	R 122.8	R 125.2	126.3
South Dakota	23.1	23.4	25.3	25.7	26.6	R 27.4	R 27.1	29.3
Tennessee	174.9	176.3	183.2	188.5	197.2	200.9	R 206.4	209.1
Texas	727.2	745.3	760.6	771.0	806.0	R 828.4	R 869.4	907.4
Utah	67.6	68.3	69.1	70.2	73.0	R 77.8	R 82.7	86.5
Vermont	17.8	18.5	18.9	19.6	20.3	20.7	R 21.0	21.3
Virginia	260.7	269.6	271.2	281.5	294.2	R 309.3	R 314.5	320.3
Washington	222.0	220.2	221.1	225.0	230.0	241.8	R 248.5	259.4
West Virginia	41.5	41.9	42.5	42.6	43.8	44.7	R 44.9	45.2
Wisconsin	175.7	177.4	180.3	184.1	188.0	R 191.7	R 195.0	197.0
Wyoming	17.3	18.1	18.4	18.8	19.0	R 19.3	20.7	20.8
U.S. Total	9,749.1	9,836.6	9,981.8	10,225.7	10,580.2	R 10,912.2	R 11,218.8	11,439.2

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