

Table 8. Carbon intensity of the economy by state (2000–2014)

metric tons of energy-related carbon dioxide per million chained 2009 dollars of GDP

| State | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Change (2000-2014) | |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------------|----------|
| | | | | | | | | | | | | | | | | percent | absolute |
| Alabama | 948.5 | 882.7 | 891.0 | 875.4 | 841.5 | 828.4 | 831.2 | 838.7 | 795.5 | 708.8 | 765.2 | 741.0 | 695.6 | 672.4 | 675.0 | -28.8% | -273.5 |
| Alaska | 1,220.3 | 1,145.8 | 1,118.7 | 1,128.5 | 1,159.5 | 1,162.4 | 1,040.0 | 953.4 | 851.7 | 762.4 | 799.2 | 776.0 | 733.9 | 735.8 | 721.5 | -40.9% | -498.9 |
| Arizona | 425.1 | 427.3 | 413.1 | 399.1 | 415.3 | 385.6 | 376.7 | 373.9 | 386.5 | 384.6 | 387.8 | 373.5 | 358.1 | 369.9 | 353.6 | -16.8% | -71.5 |
| Arkansas | 740.8 | 731.7 | 694.0 | 673.3 | 647.6 | 606.9 | 607.4 | 619.2 | 621.9 | 613.0 | 635.8 | 637.5 | 624.0 | 633.0 | 628.8 | -15.1% | -112.0 |
| California | 231.4 | 234.9 | 228.7 | 212.9 | 214.5 | 204.8 | 202.6 | 202.0 | 192.3 | 194.2 | 189.2 | 179.7 | 178.0 | 175.3 | 170.2 | -26.4% | -61.2 |
| Colorado | 386.6 | 416.7 | 405.7 | 399.3 | 405.2 | 397.0 | 394.4 | 396.9 | 383.2 | 371.7 | 377.2 | 358.5 | 347.5 | 343.8 | 327.7 | -15.2% | -58.9 |
| Connecticut | 207.6 | 199.7 | 192.6 | 201.7 | 197.6 | 192.1 | 173.1 | 163.6 | 158.8 | 158.6 | 158.3 | 153.3 | 149.8 | 154.2 | 153.1 | -26.2% | -54.5 |
| Delaware | 331.0 | 314.1 | 317.9 | 316.2 | 297.8 | 307.4 | 280.0 | 297.0 | 298.4 | 213.4 | 208.7 | 226.2 | 248.0 | 245.8 | 233.7 | -29.4% | -97.2 |
| District of Columbia | 53.7 | 48.6 | 48.5 | 44.5 | 43.7 | 42.1 | 33.5 | 34.7 | 30.7 | 32.0 | 31.5 | 29.7 | 25.5 | 27.7 | 28.3 | -47.4% | -25.5 |
| Florida | 389.0 | 376.5 | 367.1 | 358.3 | 354.9 | 337.1 | 323.9 | 319.8 | 309.7 | 310.1 | 334.5 | 318.6 | 304.6 | 296.4 | 296.7 | -23.7% | -92.3 |
| Georgia | 451.8 | 426.4 | 437.0 | 436.3 | 438.2 | 447.2 | 434.1 | 432.8 | 410.1 | 401.1 | 424.3 | 381.3 | 328.4 | 319.6 | 322.7 | -28.6% | -129.2 |
| Hawaii | 351.2 | 360.7 | 373.2 | 373.4 | 367.4 | 358.2 | 353.4 | 359.9 | 286.8 | 291.5 | 286.0 | 288.3 | 276.2 | 267.7 | 264.9 | -24.6% | -86.2 |
| Idaho | 344.9 | 352.6 | 331.2 | 307.9 | 318.4 | 303.2 | 288.4 | 290.4 | 274.4 | 281.2 | 291.9 | 289.2 | 288.0 | 306.7 | 289.9 | -15.9% | -54.9 |
| Illinois | 381.4 | 367.4 | 369.7 | 369.7 | 372.0 | 375.7 | 353.6 | 361.2 | 366.5 | 353.1 | 358.0 | 349.6 | 325.0 | 350.2 | 349.6 | -8.3% | -31.8 |
| Indiana | 947.4 | 927.4 | 917.9 | 908.3 | 877.7 | 873.8 | 850.3 | 828.8 | 819.6 | 789.7 | 783.5 | 753.5 | 700.7 | 707.7 | 717.9 | -24.2% | -229.5 |
| Iowa | 665.2 | 667.7 | 654.4 | 623.4 | 595.5 | 580.3 | 583.1 | 600.1 | 641.6 | 615.1 | 631.7 | 597.1 | 538.4 | 539.8 | 536.9 | -19.3% | -128.3 |
| Kansas | 704.5 | 662.6 | 698.0 | 696.1 | 664.2 | 617.3 | 598.1 | 635.8 | 586.6 | 597.8 | 577.8 | 543.9 | 508.9 | 543.0 | 534.7 | -24.1% | -169.8 |
| Kentucky | 1,008.8 | 1,026.6 | 1,002.7 | 955.3 | 974.6 | 960.7 | 955.3 | 965.3 | 951.0 | 925.9 | 927.9 | 899.5 | 829.5 | 823.8 | 815.5 | -19.2% | -193.3 |
| Louisiana | 1,259.0 | 1,087.3 | 1,115.4 | 1,051.9 | 1,065.9 | 978.1 | 1,055.3 | 1,110.8 | 1,119.2 | 1,019.7 | 1,066.3 | 1,117.3 | 1,046.0 | 1,032.6 | 1,019.2 | -19.0% | -239.8 |
| Maine | 483.8 | 478.2 | 498.0 | 479.2 | 470.0 | 452.1 | 409.9 | 406.9 | 372.6 | 366.0 | 356.2 | 349.1 | 315.7 | 334.6 | 335.0 | -30.8% | -148.8 |
| Maryland | 318.6 | 308.2 | 297.4 | 299.6 | 290.2 | 286.1 | 259.5 | 257.3 | 242.7 | 232.5 | 222.3 | 204.3 | 189.2 | 187.5 | 192.4 | -39.6% | -126.2 |
| Massachusetts | 237.1 | 234.3 | 235.6 | 233.6 | 224.4 | 225.1 | 200.7 | 204.3 | 196.0 | 184.0 | 181.7 | 168.3 | 149.9 | 159.8 | 152.4 | -35.7% | -84.7 |
| Michigan | 460.4 | 463.4 | 449.2 | 434.2 | 441.5 | 440.1 | 421.2 | 432.7 | 441.1 | 450.2 | 431.4 | 408.7 | 386.5 | 398.5 | 392.4 | -14.8% | -68.0 |
| Minnesota | 413.5 | 398.9 | 400.3 | 400.8 | 385.4 | 379.7 | 370.7 | 376.3 | 371.8 | 356.9 | 344.2 | 335.4 | 314.1 | 316.6 | 328.1 | -20.6% | -85.3 |
| Mississippi | 738.0 | 850.0 | 753.4 | 742.8 | 743.6 | 711.2 | 715.7 | 725.1 | 682.2 | 660.2 | 702.8 | 654.8 | 659.6 | 644.3 | 677.5 | -8.2% | -60.4 |
| Missouri | 538.4 | 565.2 | 564.0 | 579.1 | 571.9 | 575.0 | 564.3 | 558.7 | 540.0 | 524.2 | 532.3 | 539.7 | 506.7 | 523.4 | 518.2 | -3.8% | -20.3 |
| Montana | 1,089.4 | 1,087.4 | 1,025.1 | 1,049.1 | 1,060.9 | 1,050.9 | 1,026.7 | 1,031.1 | 1,010.4 | 932.7 | 952.9 | 846.3 | 804.6 | 828.1 | 821.5 | -24.6% | -267.9 |
| Nebraska | 577.6 | 586.8 | 570.2 | 550.5 | 538.6 | 531.3 | 524.1 | 520.4 | 538.2 | 543.2 | 552.2 | 554.8 | 534.0 | 553.4 | 527.1 | -8.7% | -50.5 |
| Nevada | 460.2 | 443.4 | 397.8 | 399.4 | 395.2 | 380.7 | 307.2 | 305.8 | 311.6 | 330.7 | 316.7 | 283.1 | 288.8 | 303.5 | 299.4 | -34.9% | -160.8 |
| New Hampshire | 326.3 | 314.4 | 316.4 | 360.2 | 365.8 | 345.4 | 310.5 | 307.4 | 305.1 | 281.4 | 265.5 | 257.2 | 228.2 | 225.0 | 229.9 | -29.5% | -96.4 |
| New Jersey | 276.0 | 266.6 | 261.8 | 258.8 | 259.9 | 265.0 | 245.9 | 260.3 | 254.9 | 230.2 | 233.6 | 237.5 | 210.4 | 216.0 | 224.7 | -18.6% | -51.3 |
| New Mexico | 837.5 | 829.5 | 767.6 | 772.6 | 741.4 | 745.3 | 742.1 | 730.7 | 697.3 | 709.0 | 656.8 | 685.1 | 657.9 | 654.3 | 605.0 | -27.8% | -232.5 |
| New York | 210.9 | 200.2 | 194.8 | 204.4 | 200.7 | 189.3 | 168.1 | 173.1 | 169.8 | 152.1 | 146.5 | 138.0 | 131.3 | 133.0 | 135.1 | -36.0% | -75.9 |
| North Carolina | 436.8 | 412.6 | 410.1 | 403.1 | 398.3 | 391.7 | 359.2 | 373.7 | 355.7 | 324.3 | 343.4 | 304.4 | 288.0 | 293.7 | 289.7 | -33.7% | -147.1 |

Table 8. Carbon intensity of the economy by state (2000–2014) (cont.)

metric tons of energy-related carbon dioxide per million chained 2009 dollars of GDP

| State | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Change (2000-2014) | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------------|----------|
| | | | | | | | | | | | | | | | | percent | absolute |
| North | | | | | | | | | | | | | | | | | |
| Dakota | 2,251.1 | 2,243.3 | 2,113.0 | 1,971.1 | 1,900.0 | 1,954.7 | 1,817.9 | 1,822.2 | 1,677.4 | 1,604.7 | 1,519.2 | 1,414.5 | 1,236.4 | 1,227.9 | 1,183.3 | -47.4% | -1,067.8 |
| Ohio | 553.6 | 539.8 | 540.0 | 546.8 | 520.6 | 529.6 | 515.9 | 527.0 | 522.5 | 498.6 | 510.9 | 471.9 | 424.5 | 449.7 | 442.9 | -20.0% | -110.7 |
| Oklahoma | 851.4 | 835.2 | 829.7 | 831.6 | 775.8 | 805.2 | 786.8 | 769.8 | 763.6 | 742.7 | 729.1 | 720.5 | 677.8 | 659.1 | 646.4 | -24.1% | -205.1 |
| Oregon | 314.4 | 313.9 | 294.0 | 286.5 | 269.9 | 267.2 | 240.8 | 253.3 | 235.5 | 226.6 | 214.0 | 187.7 | 185.2 | 199.7 | 189.0 | -39.9% | -125.3 |
| Pennsylvania | 536.4 | 502.0 | 509.1 | 506.1 | 502.0 | 501.2 | 483.1 | 482.2 | 467.1 | 433.0 | 442.6 | 424.0 | 403.6 | 417.1 | 406.2 | -24.3% | -130.1 |
| Rhode Island | 271.3 | 278.1 | 256.2 | 241.4 | 220.9 | 224.4 | 206.6 | 222.5 | 220.8 | 235.0 | 226.0 | 227.1 | 214.9 | 206.5 | 212.6 | -21.6% | -58.7 |
| South | | | | | | | | | | | | | | | | | |
| Carolina | 557.4 | 542.2 | 540.3 | 525.8 | 569.9 | 545.9 | 538.3 | 527.0 | 516.6 | 505.1 | 516.2 | 479.6 | 439.9 | 415.0 | 431.8 | -22.5% | -125.6 |
| South | | | | | | | | | | | | | | | | | |
| Dakota | 519.7 | 481.6 | 445.7 | 430.2 | 419.0 | 399.2 | 400.3 | 401.5 | 416.9 | 405.6 | 405.3 | 368.0 | 381.1 | 389.1 | 378.6 | -27.2% | -141.1 |
| Tennessee | 571.6 | 562.5 | 541.8 | 518.4 | 505.0 | 505.0 | 504.0 | 506.2 | 476.3 | 414.3 | 437.6 | 412.4 | 375.1 | 367.4 | 380.2 | -33.5% | -191.3 |
| Texas | 691.0 | 667.7 | 666.6 | 655.8 | 618.7 | 584.8 | 563.0 | 535.8 | 502.7 | 475.4 | 489.9 | 488.1 | 456.2 | 452.5 | 440.4 | -36.3% | -250.6 |
| Utah | 745.3 | 702.8 | 684.4 | 677.8 | 672.9 | 651.8 | 614.8 | 597.5 | 600.8 | 568.7 | 552.9 | 542.2 | 516.4 | 543.8 | 516.2 | -30.7% | -229.1 |
| Vermont | 304.5 | 290.0 | 270.4 | 269.5 | 277.1 | 264.2 | 257.7 | 252.8 | 229.5 | 244.6 | 225.0 | 215.7 | 202.0 | 214.9 | 217.8 | -28.5% | -86.6 |
| Virginia | 365.0 | 348.0 | 342.1 | 341.3 | 338.8 | 326.4 | 302.9 | 314.0 | 285.9 | 258.0 | 259.1 | 236.0 | 229.7 | 247.4 | 243.8 | -33.2% | -121.2 |
| Washington | 278.3 | 273.7 | 246.5 | 249.0 | 251.2 | 241.3 | 227.6 | 230.3 | 219.5 | 218.5 | 211.4 | 195.0 | 190.5 | 199.7 | 189.9 | -31.8% | -88.4 |
| West | | | | | | | | | | | | | | | | | |
| Virginia | 1,985.8 | 1,817.5 | 2,017.5 | 1,951.5 | 1,867.9 | 1,855.0 | 1,830.7 | 1,872.0 | 1,762.2 | 1,420.4 | 1,543.7 | 1,469.9 | 1,434.9 | 1,456.8 | 1,462.6 | -26.3% | -523.2 |
| Wisconsin | 480.8 | 468.1 | 462.8 | 440.7 | 437.3 | 441.6 | 404.8 | 410.2 | 416.9 | 391.9 | 391.1 | 379.8 | 348.2 | 385.6 | 380.9 | -20.8% | -99.9 |
| Wyoming | 2,542.1 | 2,415.3 | 2,330.2 | 2,335.1 | 2,245.5 | 2,128.8 | 1,927.2 | 1,891.2 | 1,756.6 | 1,686.8 | 1,749.5 | 1,710.4 | 1,873.0 | 1,918.6 | 1,743.8 | -31.4% | -798.3 |
| Average | | | | | | | | | | | | | | | | | |
| all states | 465.2 | 452.1 | 447.0 | 438.6 | 430.1 | 418.5 | 402.8 | 402.3 | 390.2 | 372.6 | 376.5 | 361.6 | 339.8 | 343.5 | 338.6 | -27.2% | -126.5 |

Note: The District of Columbia is included in the data tables, but not in the analysis as it is not a state.

Source: U.S. Energy Information Administration, State Energy Data System, and EIA calculations made for this analysis.