

CARMA U.S. Metro Area (CSA) Ranking by Carbon Dioxide Emissions for Year 2009

Source: Carbon Monitoring for Action (CARMA) Database (www.carma.org)

Date created: July 11, 2012

Rank	Metro Area	metric tons CO2	net MWh	kg CO2 per MWh	% Fossil Fuels	% Hydroelectric	% Nuclear	% Renewables	URL
1	Chicago-Naperville-Michigan City, IL-IN-WI	52,540,000	85,748,000	613	59.7	0.06	39.1	1.16	http://carma.org/region/detail/99999176
2	Detroit-Warren-Flint, MI	46,260,000	54,115,000	855	85.1	0.02	13.7	1.21	http://carma.org/region/detail/99999220
3	Houston-Baytown-Huntsville, TX	45,974,000	98,097,000	469	78.1	0	21.8	0.13	http://carma.org/region/detail/99999288
4	St. Louis-St. Charles-Farmington, MO-IL	42,379,000	39,956,000	1,060	99.9	0	0	0.12	http://carma.org/region/detail/99999476
5	Atlanta-Sandy Springs-Gainesville, GA-AL	37,617,000	43,003,000	875	98.9	0.99	0	0.08	http://carma.org/region/detail/99999122
6	Birmingham-Hoover-Cullman, AL	35,534,000	36,530,000	973	93.5	6.49	0	0	http://carma.org/region/detail/99999142
7	Pittsburgh-New Castle, PA	35,289,000	52,542,000	672	72.4	0.84	26.7	0.14	http://carma.org/region/detail/99999430
8	New York-Newark-Bridgeport, NY-NJ-CT-PA	34,767,000	81,003,000	429	70.5	0.78	26.6	2.19	http://carma.org/region/detail/99999408
9	Cincinnati-Middletown-Wilmington, OH-KY-IN	29,010,000	28,839,000	1,010	99.8	0.01	0	0.17	http://carma.org/region/detail/99999178
10	Boston-Worcester-Manchester, MA-RI-NH	26,772,000	60,483,000	443	73.2	1	23.5	2.27	http://carma.org/region/detail/99999148
11	Washington-Baltimore-Northern Virginia, DC-MD-VA-WV	26,489,000	45,764,000	579	62.2	4.11	31.8	1.89	http://carma.org/region/detail/99999548
12	Longview-Marshall, TX	25,909,000	25,923,000	999	100	0	0	0	http://carma.org/region/detail/99999346
13	Kansas City-Overland Park-Kansas City, MO-KS	24,969,000	23,529,000	1,060	100	0	0	0	http://carma.org/region/detail/99999312
14	Macon-Warner Robins-Fort Valley, GA	23,900,000	23,284,000	1,030	100	0	0	0	http://carma.org/region/detail/99999356
15	Minneapolis-St. Paul-St. Cloud, MN-WI	22,639,000	34,876,000	649	62.4	0.53	35.5	1.56	http://carma.org/region/detail/99999378
16	Raleigh-Durham-Cary, NC	21,175,000	28,252,000	750	73.8	0	26.2	0.01	http://carma.org/region/detail/99999450
17	Baton Rouge-Pierre Part, LA	19,720,000	36,543,000	540	76.9	0	21.4	1.67	http://carma.org/region/detail/99999132
18	Louisville/Jefferson County--Elizabethtown--Scottsburg, KY-IN	19,619,000	18,847,000	1,040	98.6	1.22	0	0.15	http://carma.org/region/detail/99999350
19	Los Angeles-Long Beach-Riverside, CA	18,840,000	44,621,000	422	85.5	5.12	0	9.38	http://carma.org/region/detail/99999348
20	Peoria-Canton, IL	17,739,000	16,914,000	1,050	96.6	0	0	3.37	http://carma.org/region/detail/99999426
21	Paducah-Mayfield, KY-IL	16,147,000	15,811,000	1,020	91.9	8.14	0	0	http://carma.org/region/detail/99999424
22	Philadelphia-Camden-Vineland, PA-NJ-DE-MD	15,628,000	75,024,000	208	33.6	0	64.9	1.52	http://carma.org/region/detail/99999428
23	Omaha-Council Bluffs-Fremont, NE-IA	15,528,000	18,748,000	828	77.9	0	19.7	2.36	http://carma.org/region/detail/99999420
24	Orlando-Deltona-Daytona Beach, FL	14,152,000	22,833,000	620	99.7	0	0	0.27	http://carma.org/region/detail/99999422
25	Greensboro--Winston-Salem--High Point, NC	13,671,000	15,124,000	904	98.7	0.82	0	0.52	http://carma.org/region/detail/99999268
26	Tulsa-Bartlesville, OK	13,223,000	16,001,000	826	97.9	2.11	0	0	http://carma.org/region/detail/99999538
27	Las Vegas-Paradise-Pahrump, NV	13,092,000	24,844,000	527	99.8	0	0	0.22	http://carma.org/region/detail/99999332
28	Grand Rapids-Muskegon-Holland, MI	12,428,000	12,871,000	966	97.5	1.54	0	0.97	http://carma.org/region/detail/99999266
29	Dallas-Fort Worth, TX	12,007,000	44,611,000	269	54.1	0.45	45.2	0.3	http://carma.org/region/detail/99999206
30	Little Rock-North Little Rock-Pine Bluff, AR	11,904,000	12,841,000	927	95.9	1.28	0	2.83	http://carma.org/region/detail/99999340
31	Mobile-Daphne-Fairhope, AL	11,256,000	10,061,000	1,120	97.3	0	0	2.74	http://carma.org/region/detail/99999380
32	Gulfport-Biloxi-Pascagoula, MS	11,252,000	9,502,700	1,180	100	0	0	0	http://carma.org/region/detail/99999274
33	Sioux City-Vermillion, IA-NE-SD	11,119,000	10,275,000	1,080	100	0	0	0	http://carma.org/region/detail/99999512
34	Denver-Aurora-Boulder, CO	11,069,000	16,956,000	653	93.4	0.55	0	6.06	http://carma.org/region/detail/99999216
35	Fairmont-Clarksburg, WV	10,894,000	10,681,000	1,020	100	0	0	0	http://carma.org/region/detail/99999242
36	San Jose-San Francisco-Oakland, CA	10,134,000	30,622,000	331	71.8	0	0	28.2	http://carma.org/region/detail/99999488
37	Port St. Lucie-Sebastian-Vero Beach, FL	9,962,500	30,442,000	327	57.1	0	42.9	0	http://carma.org/region/detail/99999442
38	Cleveland-Akron-Elyria, OH	9,716,800	17,320,000	561	55.7	0	43.9	0.44	http://carma.org/region/detail/99999184
39	Lake Charles-Jennings, LA	9,685,600	10,350,000	936	96.9	0	0	3.12	http://carma.org/region/detail/99999324
40	York-Hanover-Gettysburg, PA	9,446,000	30,023,000	315	35.8	0.52	62	1.65	http://carma.org/region/detail/99999564

Notes: Data extracted from EIA and EPA public databases. Totals are aggregate of all power plants located within the Combined Statistical Area (CSA) and reflect the production (not consumption) of electricity.

'% Fossil Fuels', '% Hydroelectric', '% Nuclear', and '% Renewables' report the approximate share of total electricity generation attributable to each. Totals may not sum due to rounding. Visit www.carma.org for more details.

CARMA U.S. Metro Area (CSA) Ranking by Electricity Generation for Year 2009

Source: Carbon Monitoring for Action (CARMA) Database (www.carma.org)

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Rank	Metro Area	metric tons CO2	net MWh	kg CO2 per MWh	% Fossil Fuels	% Hydroelectric	% Nuclear	% Renewables	URL
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4	Philadelphia-Camden-Vineland, PA-NJ-DE-MD	15,628,000	75,024,000	208	33.6	0	64.9	1.52	http://carma.org/region/detail/99999428
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6	Detroit-Warren-Flint, MI	46,260,000	54,115,000	855	85.1	0.02	13.7	1.21	http://carma.org/region/detail/99999220
7	Pittsburgh-New Castle, PA	35,289,000	52,542,000	672	72.4	0.84	26.7	0.14	http://carma.org/region/detail/99999430
8	Charlotte-Gastonia-Salisbury, NC-SC	8,343,800	47,234,000	177	18.7	3	78.2	0.1	http://carma.org/region/detail/99999172
9	Washington-Baltimore-Northern Virginia, DC-MD-VA-WV	26,489,000	45,764,000	579	62.2	4.11	31.8	1.89	http://carma.org/region/detail/99999548
10	Los Angeles-Long Beach-Riverside, CA	18,840,000	44,621,000	422	85.5	5.12	0	9.38	http://carma.org/region/detail/99999348
11	Dallas-Fort Worth, TX	12,007,000	44,611,000	269	54.1	0.45	45.2	0.3	http://carma.org/region/detail/99999206
12	Atlanta-Sandy Springs-Gainesville, GA-AL	37,617,000	43,003,000	875	98.9	0.99	0	0.08	http://carma.org/region/detail/99999122
13	St. Louis-St. Charles-Farmington, MO-IL	42,379,000	39,956,000	1,060	99.9	0	0	0.12	http://carma.org/region/detail/99999476
14	Baton Rouge-Pierre Part, LA	19,720,000	36,543,000	540	76.9	0	21.4	1.67	http://carma.org/region/detail/99999132
15	Birmingham-Hoover-Cullman, AL	35,534,000	36,530,000	973	93.5	6.49	0	0	http://carma.org/region/detail/99999142
16	Minneapolis-St. Paul-St. Cloud, MN-WI	22,639,000	34,876,000	649	62.4	0.53	35.5	1.56	http://carma.org/region/detail/99999378
17	Huntsville-Decatur, AL	3,383,000	33,376,000	101	21.8	0	77.1	1.11	http://carma.org/region/detail/99999290
18	New Orleans-Metairie-Bogalusa, LA	8,687,500	32,230,000	270	42.4	0	56.3	1.23	http://carma.org/region/detail/99999406
19	San Jose-San Francisco-Oakland, CA	10,134,000	30,622,000	331	71.8	0	0	28.2	http://carma.org/region/detail/99999488
20	Port St. Lucie-Sebastian-Vero Beach, FL	9,962,500	30,442,000	327	57.1	0	42.9	0	http://carma.org/region/detail/99999442
21	York-Hanover-Gettysburg, PA	9,446,000	30,023,000	315	35.8	0.52	62	1.65	http://carma.org/region/detail/99999564
22	Cincinnati-Middletown-Wilmington, OH-KY-IN	29,010,000	28,839,000	1,010	99.8	0.01	0	0.17	http://carma.org/region/detail/99999178
23	Raleigh-Durham-Cary, NC	21,175,000	28,252,000	750	73.8	0	26.2	0.01	http://carma.org/region/detail/99999450
24	Syracuse-Auburn, NY	1,379,100	26,194,000	52.7	12.4	1.28	85.2	1.12	http://carma.org/region/detail/99999532
25	Longview-Marshall, TX	25,909,000	25,923,000	999	100	0	0	0	http://carma.org/region/detail/99999346
26	Las Vegas-Paradise-Pahrump, NV	13,092,000	24,844,000	527	99.8	0	0	0.22	http://carma.org/region/detail/99999332
27	Greenville-Spartanburg-Anderson, SC	2,005,600	24,633,000	81.4	14	1.05	84.8	0.14	http://carma.org/region/detail/99999273
28	Kansas City-Overland Park-Kansas City, MO-KS	24,969,000	23,529,000	1,060	100	0	0	0	http://carma.org/region/detail/99999312
29	Macon-Warner Robins-Fort Valley, GA	23,900,000	23,284,000	1,030	100	0	0	0	http://carma.org/region/detail/99999356
30	Orlando-Deltona-Daytona Beach, FL	14,152,000	22,833,000	620	99.7	0	0	0.27	http://carma.org/region/detail/99999422
31	Buffalo-Niagara-Cattaraugus, NY	5,528,600	20,620,000	268	27.6	71	0	1.43	http://carma.org/region/detail/99999160
32	Rockford-Freeport-Rochelle, IL	19,479	19,896,000	0.979	0.17	0.03	99.1	0.69	http://carma.org/region/detail/99999466
33	Chattanooga-Cleveland-Athens, TN-GA	0	19,739,000	0	0	8.46	90	1.59	http://carma.org/region/detail/99999174
34	Louisville/Jefferson County--Elizabethtown--Scottsburg, KY-IN	19,619,000	18,847,000	1,040	98.6	1.22	0	0.15	http://carma.org/region/detail/99999350
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40	Paducah-Mayfield, KY-IL	16,147,000	15,811,000	1,020	91.9	8.14	0	0	http://carma.org/region/detail/99999424

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