

Representative GHG Baselines for Cities and their Respective Countries

Values in bold are peer-reviewed and considered comparable. Inventory year, source, and inventory content are indicated with endnotes. All per capita national emissions are calculated from national inventories submitted under the UNFCCC and exclude LULUCF; national population figures are from World Bank WDI data and correspond to the inventory year.

Country / City	GHG Emissions (tCO ₂ e/capita)	Country / City	GHG Emissions (tCO ₂ e/capita)	Country / City	GHG Emissions (tCO ₂ e/capita)
Argentina	7.64 2000	France	8.68 2007	Norway	11.69 2007
Buenos Aires	3.83 1	Île-de-France (Region incl. Paris)	5.2 2005, 3, †	Oslo	3.5 2005, 3
Australia	25.75 2007	Germany	11.62 2007	Portugal	7.71 2007
Sydney	20.3 2006, 2	Frankfurt	13.7 2005, 3	Porto	7.3 2005, 3
Bangladesh	0.37 1994	Hamburg	9.7 2005, 3	Republic of Korea	11.46 2001
Dhaka	0.63 1	Stuttgart	16.0 2005, 3	Seoul	4.1 2006, 3
Belgium	12.36 2007	Greece	11.78 2007	Singapore	7.86 1994
Brussels	7.5 2005, 3	Athens	10.4 2005, 3	Slovenia	10.27 2007
Brazil	4.16 1994	India	1.33 1994	Ljubljana	9.5 2005, 3
Rio de Janeiro	2.1 1998, 3, i	Ahmedabad	1.20 1	South Africa	9.92 1994
São Paulo	1.4 2000, 3, i	Delhi	1.50 2000, 9	Cape Town	7.6 2005, 5, i
Canada	22.65 2007	Kolkata	1.10 2000, 9	Spain	9.86 2007
Calgary	17.7 2003, 3	Italy	9.31 2007	Barcelona	4.2 2006, 5, i
Toronto (City of Toronto)	9.5 2004, 4	Bologna (Province)	11.1 2005, 3	Madrid	6.9 2005, 3
Toronto (Metropolitan Area)	11.6 2005, 5, i	Naples (Province)	4.0 2005, 3	Sri Lanka	1.61 1995
Vancouver	4.9 2006, 6	Turin	9.7 2005, 3	Colombo	1.54 1
China	3.40 1994	Veneto (Province)	10.0 2005, 3	Kurunegala	9.63 1
Beijing	10.8 2006, 7, i	Japan	10.76 2007	Sweden	7.15 2007
Shanghai	12.9 2006, 7, i	Tokyo	4.89 2006, 3, i	Stockholm	3.6 2005, 3
Tianjin	12.2 2006, 7, i	Jordan	4.04 2000	Switzerland	6.79 2007
Chongqing	3.7 2006, 8	Amman	3.7 2008, 10, i	Geneva	7.8 2005, 5, i
Czech Republic	14.59 2007	Mexico	5.53 2002	The Netherlands	12.67 2007
Prague	9.4 2005, 5, i	Mexico City (City)	4.25 2007, 11	Rotterdam	29.8 2005, 3
Finland	14.81 2007	Mexico City (Metropolitan Area)	2.84 2007, 11		
Helsinki	7.0 2005, 3	Nepal	1.48 1994		
		Kathmandu	0.12 1		

Country / City	GHG Emissions (tCO ₂ e/capita)	Country / City	GHG Emissions (tCO ₂ e/capita)	Country / City	GHG Emissions (tCO ₂ e/capita)
Thailand	3.76 1994	USA	23.59 2007	Los Angeles	13.0 2000, 5, i
Bangkok	10.7 2005, 5, i	Austin	16.2 2005, 13, i	Menlo Park	16.37 2005, 18
UK	10.50 2007	Baltimore	14.4 2007, 14	Miami	11.9 15
London (City of London)	6.2 2006, 12	Boston	13.3 15	Minneapolis	19.8 2005, 13, i
London (Greater London Area)	9.6 2003, 5, i	Chicago	12.0 2000, 16	New York City	7.9 2009, 19, i
Glasgow	8.8 2004, 3	Dallas	15.2 15	Portland, OR	13.5 2005, 13, i
		Denver	21.5 2005, 5, i, †	San Diego	11.4 15
		Houston	14.1 15	San Francisco	10.1 15
		Philadelphia	11.1 15	Seattle	14.8 2005, 13, i
		Juneau	14.37 2007, 17	Washington, DC	19.70 2005, 20

i Value includes emissions from aviation and marine sources.

† Value for Île-de-France, the French administrative region composed primarily of the Paris metropolitan area.

‡ Value for Denver is available including embodied emission in food and cement: 25.3 tCO₂e/cap, see Ramaswami, A., T. Hillman, B. Janson, M. Reiner, and G. Thomas (2008), "A Demand-Centered, Hybrid Life-Cycle Methodology for City-Scale Greenhouse Gas Inventories." *Environ. Sci. Technol.* 42(17): 6455-6461.

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