

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

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

1 Values provided by ICLEI

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