



CITY OF PORTLAND  
OFFICE OF SUSTAINABLE DEVELOPMENT  
A BETTER FUTURE. A BETTER NOW.

July 25, 2005

Rich Page  
813 SW Alder Street, Suite 450  
Portland, OR 97205

Dear Rich,

Enclosed please find copies of materials used to prepare the emissions data presented in the "Progress Report on the City of Portland and Multnomah County Local Action Plan on Global Warming." Wherever practical, I have provided electronic copies of e-mails, spreadsheets, and other documents. These are included on the enclosed CD. In several cases, I have only hard copies of materials, in which case paper copies are provided.

You'll note that the total emissions for 2004 in the "Time Series Report" differ from that in the Progress Report. In assembling the materials for your request, I noticed an error in one of the inputs to the Clean Air and Climate Protection Software, which has been corrected in the print outs enclosed.

Please let me know if I can provide other information related to this report.

Sincerely,

Michael Armstrong

TOM POTTER - Mayor

SUSAN ANDERSON - Director

P: 503 823 7222

F: 503 823 5311

721 NW 9th Ave., Suite 350

Portland, OR 97209-3447

[www.sustainableportland.org](http://www.sustainableportland.org)

# Portland

## Community Greenhouse Gas Emissions

### Time Series Report

Year	1990	1995	2000	2003	2004
<b>Residential</b>					
eCO2 (tons)	1,951,112.9	1,939,915.5	2,160,546.2	2,023,652.4	2,058,749.7
Energy (MMBtu)	18,512,121.6	18,621,372.4	20,980,154.6	20,082,903.5	20,302,620.0
<b>Commercial</b>					
eCO2 (tons)	2,080,219.0	2,244,635.3	2,539,922.6	2,406,935.2	2,485,205.2
Energy (MMBtu)	19,223,806.6	20,196,036.1	22,102,339.1	20,962,432.4	21,487,388.1
<b>Industrial</b>					
eCO2 (tons)	1,529,928.3	1,612,427.6	1,740,062.4	1,320,771.0	1,296,749.4
Energy (MMBtu)	17,287,042.5	17,530,891.2	17,595,257.9	14,152,874.2	14,203,259.2
<b>Transportation</b>					
eCO2 (tons)	3,793,717.2	3,732,527.6	3,725,763.1	3,925,043.3	3,731,389.9
Energy (MMBtu)	43,917,320.8	43,162,551.6	43,180,141.4	45,658,684.3	43,400,152.7
<b>Waste</b>					
eCO2 (tons)	267,475.9	255,260.0	202,179.2	216,758.5	118,854.8
<b>Total</b>					
eCO2 (tons)	9,622,453.3	9,784,766.0	10,368,473.5	9,893,160.5	9,690,948.8
Energy (MMBtu)	98,940,291.5	99,510,851.4	103,857,892.9	100,856,894.5	99,393,420.0

# PROGRESS REPORT

## Appendix 1: Multnomah County Greenhouse Gas Emissions Data Tables

### Multnomah County, Oregon Greenhouse Gas Emissions, selected years 1990 to 2004

Metric tons CO<sub>2</sub> equivalent

	1990	1995	2000	2001	2002	2003	2004
Residential	1,951,113	1,939,916	2,160,546	2,111,515	2,076,449	2,023,652	1,984,188
Commercial	2,080,219	2,244,635	2,539,923	2,499,812	2,413,396	2,406,935	2,485,205
Industrial	1,529,928	1,612,428	1,740,062	1,598,728	1,412,238	1,320,771	1,296,749
Transportation	3,793,717	3,732,528	3,725,763	3,691,624	3,960,296	3,925,043	3,731,390
Waste	267,476	255,260	163,748	177,957	188,699	216,759	118,855
<b>TOTAL</b>	<b>9,622,453</b>	<b>9,784,766</b>	<b>10,330,042</b>	<b>10,079,636</b>	<b>10,051,078</b>	<b>9,893,160</b>	<b>9,616,388</b>
% change from 1990		1.7%	7.4%	4.8%	3.6%	2.8%	-0.1%

Emissions calculated using ICLEI's Clean Air & Climate Protection software, version 1.0

### Multnomah County Per Capita Greenhouse Gas Emissions

Metric tons CO<sub>2</sub> equivalent

	1990	1995	2000	2001	2002	2003	2004
Residential	3.34	3.10	3.27	3.16	3.08	2.99	2.95
Commercial	3.56	3.58	3.85	3.74	3.58	3.55	3.70
Industrial	2.62	2.57	2.63	2.39	2.09	1.95	1.93
Transportation	6.50	5.96	5.64	5.52	5.87	5.79	5.55
Waste	0.46	0.41	0.25	0.27	0.28	0.32	0.18
<b>TOTAL</b>	<b>16.48</b>	<b>15.62</b>	<b>15.64</b>	<b>15.07</b>	<b>14.89</b>	<b>14.60</b>	<b>14.31</b>
% change from 1990		-5.2%	-5.1%	-8.5%	-9.7%	-11.4%	-13.2%