

2008 Brookline GHG Inventory Notes/Assumptions

Heating Oil

Assume percentage of Brookline heating oil users in 2008 compared to number of users of heating oil in 1995 was 82.1% based on DOE 2005 home heating fuel survey comparison to DOE 1997 home heating fuel survey. Use this ratio for both residential and commercial properties.

	2000 ICLEI GHG Inventory Report
282,095	Tons eCO ₂ in 1995 (Residential Sector)
35%	of eCO ₂ from oil heating
98,733	Tons eCO ₂ in 1995 (Residential Sector Heating Oil)
10.15	kg eCO ₂ per gallon heating oil
0.01119	Tons eCO ₂ per gallon heating oil
8,822,930	gallons heating oil for residential use

$8,822,930 \times .821 = 7,244,516$ gallons heating oil for residential use in 2008

	2000 ICLEI GHG Inventory Report
2,460,569	gallons heating oil for commercial use

$2,460,569 \times .821 = 2,020,375$ gallons heating oil for commercial use in 2008

Vehicle Miles Travelled (VMT) and Related Emissions

VMT data for 1995 and 2008 were provided by the Boston Metropolitan Transportation Organization. VMT were converted to CO₂ emissions using ICLEI's CACP 2009 software. VMT data for 2003 were interpolated using data from the Bureau of Transportation Statistics.