

Total GHG Calculations in MT Carbon Equivalent - 2013

Draft Version 9-16-15

	Type	Year	Source	Usage Data Sourced from:	MT CO2-e	Total (MT CO2-e)
Buildings Energy Use	Residential Energy Use	2013	Natural Gas	Eric Olsen via National Grid	177,432	334,831
		2013	Electric	Eric Olsen via Eversource	103,539	
		2013	Oil**	EIA Estimates & U.S. Census	53,861	
	Commercial Energy Use	2013	Natural Gas	Eric Olsen via National Grid	103,939	241,626
		2013	Electric	Eric Olsen via Eversource	113,563	
		2013	Oil**	EIA Estimates & U.S. Census	24,123	
	Municipal Energy Use	FY2013	Natural Gas	Massinsight	7,079	15,944
		FY2013	Electric	Massinsight	7,519	
		FY2013	Oil/Propane	Massinsight	1,345	
Transportation	Passenger Vehicles within City Bounds**	2013	Based on VMT Estimation	Metropolitan Planning Organization (VMTs)	294,125	294,125
	Municipal Vehicles	FY2013	Based on Fuel Use Totals	Massinsight	8,519	
	Rail Travel within City Bounds*	TBD	Based on Miles Traveled	Need Data	-	
Natural Gas Leaks	City-wide Estimate**	Current	Based on Utility Reported Leak Totals	National Grid Reported Leaks	80,195	80,195
Waste	Residential & Municipal Solid Waste**	2013	Disposal	City Solid Waste Report	6,950	7,322
		TBD	Recycling	City Solid Waste Report - Need Calculation	-	
		TBD	Compost	City Solid Waste Report - Need Calculation	-	
	Commercial Solid Waste*	TBD	Disposal	Need Data	-	
		TBD	Other (Recycling, Compost, etc)	Need Data	-	
		TBD				
Wastewater**	FY2013		MWRA Natural Gas & Electricity	372		
*Data needed to obtain figure. **Potential to fine tune calculation with additional data.					GRAND TOTAL:	974,042

Newton Greenhouse Gas Footprint - 2013
100 Year Time Horizon
Draft January 2016

- Residential Energy Use
- Commercial Energy Use
- Municipal Energy Use
- Transportation
- Natural Gas Leaks
- Waste

