

Northern Essex Community College - Environmental Impact & Sustainability Committee

19-Jun-08

Carbon Footprint for FY 2007

	<u>Quantity</u>	<u>Units</u>	<u>Conversion Unit</u>	<u>Pounds of CO2 Produced</u>
Electricity used at all buildings Haverhill and Lawrence	8,632,000	kilowatt hours	1.34	11,566,880
Natural gas used at all buildings Haverhill and Lawrence	50,142	thermal units	11	551,562
Electricity used at all buildings that are <u>rented or leased</u>	375,098	kilowatt hours	1.34	502,631
Natural gas used at all buildings that are <u>rented or leased</u>	10,966	thermal units	11	120,626
Plane travel for all employees	200,122	miles	0.9	180,110
Travel mileage by cars in FY'07 ***	130,197	miles	X	120,277
gas used for lawn equipment, snow removal, Cushmans, etc	2,235	gallons	19.4	43,359
Athletic Dept gas	1,276	gallons	19.4	24,754
MVRTA bus service to campus	1,517	gallons	22.2	33,677
gas for all owned trucks and cars	1,340	gallons	19.4	25,996
diesel for all owned trucks and cars at NECC	78	gallons	22.2	1,732
gas used by Eagle Security (includes Shuttle Service)	10,146	gallons	19.4	196,832
diesel for all leased trucks and cars - Osgood St.	41,600	gallons	22.2	923,520
Commuting miles - students	12,778,308	miles	X	11,804,723
Commuting miles - faculty/staff	3,535,576	miles	X	3,266,199
Commuting miles - Little Sprouts parents	79,645	miles	X	73,577
Commuting miles - Lawrence daycare parents	5,460	miles	X	5,044
Total =====>				29,441,499 pounds of CO2 or 14,721 tons of CO2

X - total miles traveled divided by 21 (average miles per gallon) multiplied by 19.4 (pounds of CO2 per gallon)