

The University of North Carolina at Chapel Hill

2012 Greenhouse Gas Inventory

Table: 2012 GHG Inventory Sources and Emission Totals

Source	CO ₂	CH ₄	N ₂ O	HFC/CFC	SF ₆	Subtotal
Scope 1	234,947	25	951	3,674	1,897	241,494
<i>Stationary Combustion</i>						
Blackstart Generators	29.36	0.03	0.07			29.46
Building Boilers	5,593.92	0.99	6.61			5,601.52
Cameron Cogen	207,681.80	16.38	878.58			208,576.76
Emergency Generators	126.58	0.00	0.00			126.58
Manning Steam Plant	19,139.50	6.69	9.88			19,156.07
<i>Total Stationary Combustion</i>						233,490.39
<i>Fugitive Emissions</i>						
Air Conditioning				1,968.84		1,968.84
Water Chillers				1,705.55		1,705.55
Laboratory Gases	311.82		42.04			353.86
Electrical Switchgear					1,897.15	1,897.15
<i>Mobile Combustion</i>						
Vehicle Fleet	2,064.30	1.06	13.66			2,079.02
<i>Total Other Sources</i>						8,004.42
Scope 2	137,599	107	1,004			138,710
<i>Purchased Electricity</i>						
Duke Energy	169,624.00	124.46	1,208.79			170,957.24
Progress Energy	261.18	0.11	1.38			262.67
Hospital Sales	(32,285.96)	(18.05)	(206.22)			(32,510.23)
Total Scope 1 and 2	372,546	132	1,955	3,674	1,897	380,204

Note: All values reported in metric tons CO₂ equivalent