

Climate Change

Bioenergy has very beneficial effects on climate change, work being undertaken by Government provides the following emission factors:-

Emission Source Category	Emissions Source	Emissions Factor (tonne CO ₂ equivalent per tonne residue)				Total
		Oxidation Factor (CO ₂ only)	CO ₂ (GWP=1)	CH ₄ (GWP=21)	N ₂ O (GWP=310)	tCO _{2e} / tonne residue
Organic residues (excludes CO ₂)	Organic residue other than biogas or wood	N/A	1.3538	0.00767	0.01510	0.0228
	Biogas	N/A	5.5983	0.00126	0.03558	0.0368
	Wood	N/A	1.0727	0.00308	0.01213	0.0152

GWP = Global Warning Potential

Source: Climate Change (Stationery Energy and Industrial Processes) Regulations 2008 (Draft for Consultation)