

Environmental Aspects	Summary of Key Environmental Aspects and Impacts							
	Inputs			Outputs				
	Fuel and energy use	Resources use	Global warming	Emissions and pollution control	Waste	Nuisance (e.g. noise, dust, vibration)	Biodiversity	+ve impact
	Teaching and Research	Use of non-renewable energy (Gigajoules/year)	Hazardous substances, water, paper, ICT hardware and consumables	Production of GHG (kg CO <sub>2</sub> e and kg CO <sub>2</sub> e/student)	Laboratory flue gases and effluent discharges, hazardous substances storage and use	Hazardous waste, waste to landfill and recycling (%diverted from landfill, tonnes waste to landfill, tonnes waste recycled)		Education for sustainable development
	Administration	Use of non-renewable energy (Gigajoules/year)	Paper, ICT hardware and consumables	Production of GHG (kg CO <sub>2</sub> e and kg CO <sub>2</sub> e/student)		Waste to landfill and recycling (%diverted from landfill, tonnes waste to landfill, tonnes waste recycled)		Ethical investment (including environmental criteria)
	Procurement <sup>4</sup>	Use of non-renewable energy (Gigajoules/year)	Materials, products and services	Production of GHG (kg CO <sub>2</sub> e and kg CO <sub>2</sub> e/student)		Hazardous waste (e.g. WEEE) waste to landfill and recycling (%diverted from landfill, tonnes waste to landfill, tonnes waste recycled)	Reduction in global biodiversity resource e.g. purchase of hardwoods	Fairtrade
	Travel and transport	Use of non-renewable fuel (modal shift)		Production of GHG (kg CO <sub>2</sub> e and kg CO <sub>2</sub> e/student)	Fuel storage Particulates, heavy metals etc.,		Noise, dust, vibration, congestion from traffic	Promotion of sustainable transport options (modal shift)
	Facilities (including catering, student residences, Sainsbury Centre and Sportspark)	Use of non-renewable energy (Gigajoules/year)	Water use (m <sup>3</sup> and m <sup>3</sup> /student) catering supplies, bottled water, hazardous substances e.g. chlorine	Production of GHG (kg CO <sub>2</sub> e and kg CO <sub>2</sub> e/student)	Effluent release – laundry, hazardous substances storage	Hazardous waste, cooking oil Waste to landfill, recycling and food composting (%diverted from landfill, tonnes waste to landfill, tonnes waste recycled)	Noise, litter, light pollution (Sportspark floodlights)	Local sourcing, Fairtrade
	Energy generation (including oil fired boilers, CHP and Biomass)	Use of non-renewable energy and fuels (Gigajoules/year and tonnes/year -fuel oil)	Water use (m <sup>3</sup> and m <sup>3</sup> /student) hazardous substances	Production of GHG (kg CO <sub>2</sub> e and kg CO <sub>2</sub> e/student)	Flue gases, effluent discharges, fuel and other hazardous substances storage	Hazardous waste	Noise	Renewable energy produced (mega joules/year)
	Property maintenance, new build and refurbishment <sup>4</sup>	Use of non-renewable energy (Gigajoules/year)	Hazardous substances, water, materials (wood, paint etc.)	Production of GHG (kg CO <sub>2</sub> e and kg CO <sub>2</sub> e/student)	Refrigerant and effluent release Hazardous substances storage	Hazardous waste (e.g. solvents), waste to landfill and recycling (%diverted from landfill, tonnes waste to landfill, tonnes waste recycled)	Noise, dust, vibration from maintenance and construction works	Disturbance to local wild flora and fauna (% area of habitats protected with documented plan)
	Grounds maintenance	Use of non-renewable energy and fuels (Gigajoules/year and tonnes/year -fuel oil)	Hazardous substances	Production of GHG (kg CO <sub>2</sub> e and kg CO <sub>2</sub> e/student)	Fuel and other hazardous substances storage, vehicle washing effluent	Horticultural waste (e.g., composting, burning) hazardous waste	Noise, dust from plant and machinery, litter collection	Disturbance to local wild flora and fauna (% area of habitats protected with documented plan)