

Technology Fact Sheet for Mitigation

Technology	Description	Benefits	Challenges
Biomass Wastewater ⁱ	The Technology involves generation of electricity using methane from sewerage sludge stream through installation of advanced anaerobic digesters and gas generator. By so doing contribute to CH ₄ emission reduction from sludge stream recovery. Investment cost is around US\$1500/kW and generation cost around US\$ Cents 8kWh	Economic benefits to include: profitability of sustainability of a Water Utilities through saving of electricity bills; environmental to include reduction of odour in surrounding locations	Awareness and information programme required. There is currently high uncertainty on the investment costs. Countries like South Africa have given less priority to this in preference to Landfill gas which is deemed cheaper to invest in. No resource potential assessment done

ⁱ This fact sheet has been extracted from TNA Report – Technology Needs Assessment and Technology Action Plans For Climate Change Mitigation– Zambia. You can access the complete report from the TNA project website <http://tech-action.org/>