

Municipal Waste Management Strategy

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Nottinghamshire County Council

Scope – Municipal Waste

- Waste produced by households.
- Trade waste collected by councils.
- Litter and street sweepings.
- Excludes commercial and industrial waste.



Vision

- Framework for councils to collect and treat waste in an integrated way.
- Waste minimisation.
- Sustainable and affordable waste management.
- Achieve targets for landfill diversion.
- Achieve targets for recycling and recovery.
- Fulfil needs of Nottinghamshire residents.

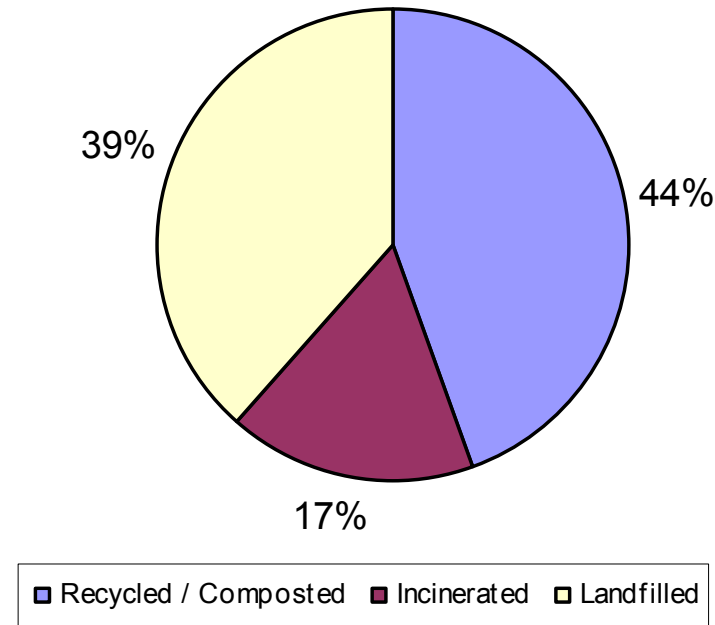


Waste Hierarchy

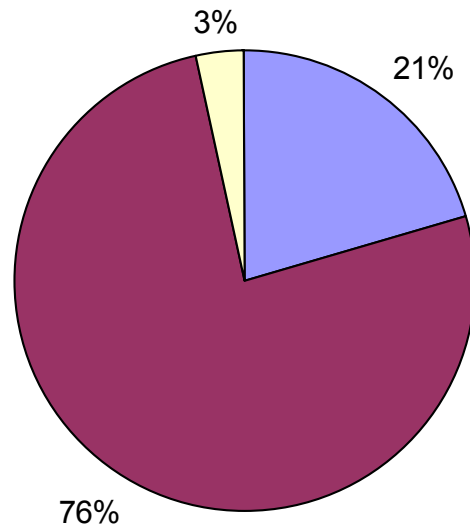


Nottinghamshire Municipal Waste 2011/12 (unaudited figures)

- ~ 387,000 total tonnage.
- ~ 172,000 tonnes recycled/composted (44%).
- ~ 149,000 tonnes landfilled (39%).
- ~ 66,000 tonnes incinerated (17%).



Total Municipal Waste Arisings



■ HWRCs ■ Household Waste ■ Trade Waste

- 14 Household Waste Recycling Centres:
 - 80,000 tonnes p.a.
- Collected by 7 districts:
 - 294,000 tonnes of Household Waste.
 - 13,000 tonnes of Trade waste.



Landfill

- Least sustainable waste disposal option.
- Negative environmental impacts:
 - Greenhouse gas emissions, odour, vermin, leachate.
- High financial cost:
 - Disposal fee of approximately £30 per tonne plus £64 per tonne Landfill Tax increasing by £8 per tonne until 2015. Not defined beyond 2015.
- Limited availability:
 - Three sites currently used in Nottinghamshire: Staple Quarry (Newark), Dorket Head (Arnold) and Daneshill (Retford).
 - Estimate 8 years of capacity at current disposal rates. Capacity may last longer if inputs continue to fall.



Incineration



- Sustainable waste management when delivered as part of an integrated approach i.e. with recycling.
- Form of energy recovery:
 - Electricity generation.
 - Heat provision.
- Reduced waste to landfill:
 - Volume of waste is reduced by approx 75%.
 - Metals can be recovered for recycling.
 - Ash residue can be recycled i.e. aggregate for road construction.
- Proven technology.
- Stringent environmental controls.



Recycling

- 70% overall recycling target for ALL waste generated in Nottinghamshire (municipal, commercial, industrial, construction and demolition) - “Nottinghamshire and Nottingham Waste Core Strategy - Our Preferred Approach” consultation.
- National target of 50% recycling for Household Waste by 2020.
- 52% minimum recycling target in Waste PFI Contract by 2020; currently achieving around 44%.
 - Mixed recyclable collections from all Nottinghamshire households (paper, card, cans, plastic bottles).
 - Garden waste collections in five districts (Ashfield, Broxtowe, Gedling, Mansfield, Rushcliffe – some provide this free of charge).
 - Glass recycling collections in three districts (Ashfield, Broxtowe, Gedling).



Veolia Contract

- 26 Year contract:
 - £850 million value.
 - Two parts: Contract A and Contract B.
 - Started in 2006.
- High performing:
 - Over 70% recycling at HWRC network.
 - 98% HWRC customer satisfaction rating.
 - 44% overall recycling rate.
- Major infrastructure investments:
 - £14m Mansfield MRF opened 2009.
 - All HWRC refurbished.
 - New HWRC for Worksop.
 - Existing Veolia transfer station at Freeth Street refurbished.
 - Existing Giltbrook transfer station refurbished.
 - Planning permission for transfer station at Newark.
 - Planning permission for transfer station at Worksop.
- Inkersall Grange Composting facility planning permission refused May 2011.
- Rufford ERF planning permission refused May 2011.
- Revised Project Plan under consideration.



District Performance 2010/11

	Residual household waste per household (kg)	Household waste recycled & composted (%)
Ashfield	571kg	34.1%
Bassetlaw	662kg	22.8%
Broxtowe	466kg	42.5%
Gedling	547kg	36.9%
Mansfield	523kg	40.7%
Newark & Sherwood	606kg	26.5%
Rushcliffe	439kg	54.1%



Recent / Planned Improvements

- Better HWRC Facilities:
 - Retford refurbishment – All HWRC now complete.
 - Community RePaint Nottinghamshire:
 - Operational at Calverton and Worksop.
 - Expansion of scheme to other sites.
 - Cooking Oil Banks coming to all sites.
- District Partners:
 - Gedling small WEEE bring banks.
 - Kerbside Battery collections in Newark and Rushcliffe.



Revised Project Plan

- Alternative proposals to provide landfill diversion following planning failure for Rufford ERF.
- Using existing contractual mechanism.
- Proposals submitted by Veolia in January 2012.
- Currently being evaluated and negotiated.
- Initial details to be presented to E&S Committee on 18 July 2012.



Thank you



Nottinghamshire County Council