



Dublin City  
Baile Atha Cliath

Environmental Protection Agency

14 APR 2008

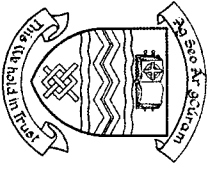
ORAL HEARING  
Fingal County Council

South Dublin County Co

Dublin City Council

Dun Laoghaire/Rathdown

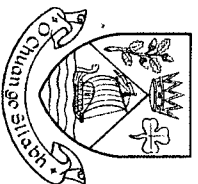
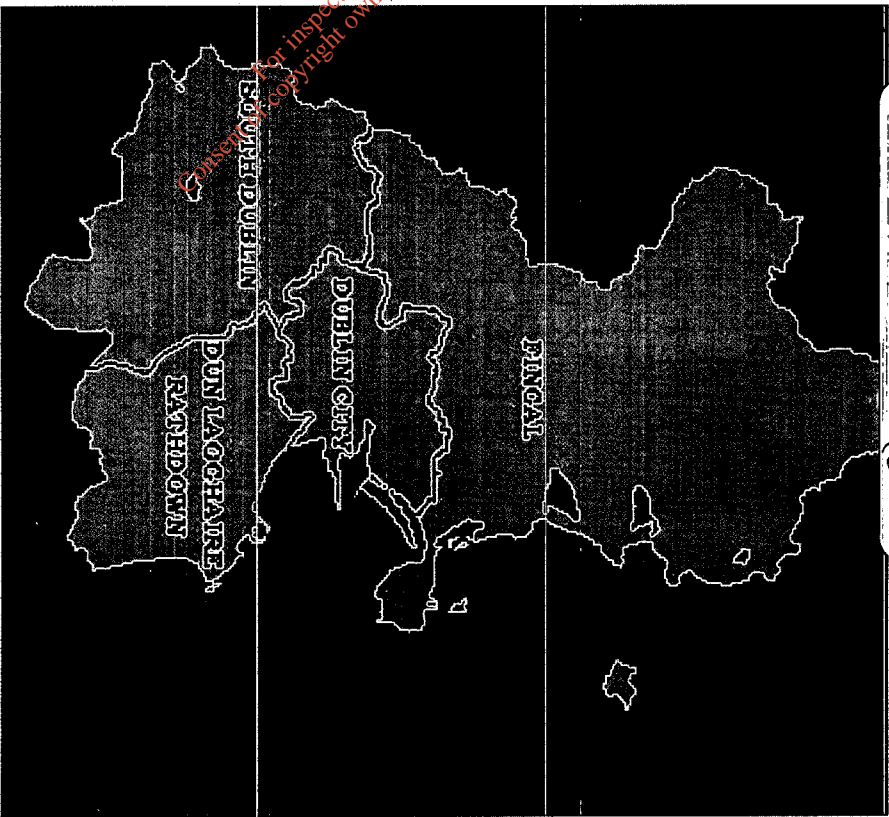
County Council



Total population 2006 Census: 1,186,159

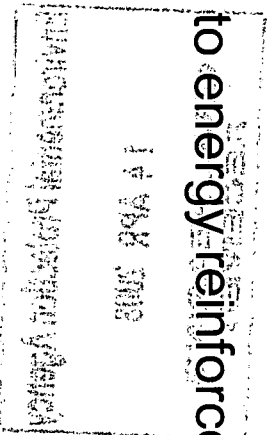
OH Sub No. 1(b)

Recd From: Dublin City



# Right Solution for Dublin

- Waste to energy is an integral part of European waste management policy
- It complies with Government policy
- It is safe and proven technology
- It will produce electricity for 50,000 homes and district heating for 60,000
- It will save a minimum of 80Ha/200 acres of land that would otherwise be used for landfill (over 25 years)
- Energy Recovery is higher up waste hierarchy than landfill
- Waste to energy reinforces and enhances recycling



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# National Policy Documents

- Changing Our Ways – Published in September 1998
- Preventing and Recycling Waste – Published in March 2002
- Taking Stock and Moving Forward – Published in April 2004
- The National Strategy on Biodegradable Waste – Published in April 2006
- National Development Plan – published in 2007

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# Statements of policy in support of waste to energy

- Changing our Ways September 1998
- 7.2 Waste to Energy Incineration (WTE)
- 7.7.1. Mass burn WTE plays a major part in municipal waste management in many other EU countries, as well as further a field
- 7.7.5 The development of WTE capacity is consistent with, and could make a significant contribution to the implementation of the Government's renewable energy policy

# Statements of policy in support of waste to energy contd.

- Taking Stock and Moving Forward April 2004
- Key Point 10
- Thermal treatment, with energy recovery, has a role to play as one element in the integrated approach to waste management; facilities will be subject to stringent controls through licenses issued by the EPA
- National Strategy on Biodegradable Waste April 2006
- 9.6.1 Thermal Treatment
- Thermal treatment with energy recovery in accordance with the internationally accepted waste management hierarchy is a key element of Irish waste management policy

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## Statements of policy in support of source separation and separate collection systems

- **Changing Our Ways September 1998**
- **7.3 Alternative collection systems**
- **7.3.1 The type of collection system employed must reflect the recycling scenario which is to be pursued. For instance, a significant proportion of municipal waste is organic material – either separate or alternate bin collection is necessary to allow this material to be efficiently segregated and diverted to a central composting facility. Different approaches may be utilised in order to segregate materials for recovery purposes, including-**
  - the use of multiple bins or other containers,
  - alternate collection schedules,
  - “bring” systems (e.g. bottle banks),
  - reliance on civic amenity facilities, and
  - “kerbside” collections systems

## Statements of policy in support of source separation and separate collection systems contd...

- Preventing and Recycling Waste March 2002
- “5.1 The Challenge of Promoting Recycling  
Better separation and sorting of waste at source, allied to segregated collection, to provide cleaner waste fractions and single material waste streams”
- “5.4 Source Separation and segregated collection  
Householders will be required to segregate their waste into a number of distinct types of material waste”
- National Strategy on Biodegradable Waste April 2006
- “5.2 Strategy Principles  
emphasis on source separation of biodegradable wastes by the producer, followed by separate collections by the collector, enabling high quality recyclables to be recovered”

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## Statements of policy in support of source separation and separate collection systems contd...

- “5.4 Key Waste Streams  
Separate collection of bio-waste will also be required, together with the provision of composting facilities for garden waste and centralised biological treatment facilities for food waste”
- “8.3.1. Households and Communities  
Separate collection of organic waste will be required in all suitable urban rural areas as part of an integrated collection system”

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# Statements of policy in support of an integrated approach to waste management

- Changing Our Ways September 1998
- “7.4.3 No one solution can address all waste management requirements; consequently, the emphasis of this policy statement is on integrated waste management”
- “7.7 Waste to Energy Incineration (WTE)  
7.7.1. Mass burn WTE plays a major part in municipal waste management in many other EU countries, as well as further a field. In general, materials recycling and WTE incineration are fully compatible in an integrated approach to waste management”
- Taking Stock Moving Forward April 2004
- Key Point 1 The policy approach will remain grounded in the concept of integrated waste management, based on the internationally recognised waste hierarchy, designed to achieve, by 2013, the ambitious targets set out in Changing our Ways”
- “Key Point 10 Thermal treatment, with energy recovery, has a role to play as one element in the integrated approach to waste management; facilities will be subject to stringent controls through licenses issued by the EPA and through subsequent licence enforcement and facility monitoring

## Statements of policy in support of an integrated approach to waste management contd..

- National Strategy on Biodegradable Waste April 2006
- “4.2 Integrated mix of treatment options  
Countries that have succeeded in diverting large quantities of BMW from landfill employ the following alternative treatment options simultaneously:  
Materials recycling for paper and cardboard waste;  
Central composting, mainly garden waste and, to a lesser extent, for food waste; and  
Thermal treatment for residual “mixed” (or bagged”) waste”

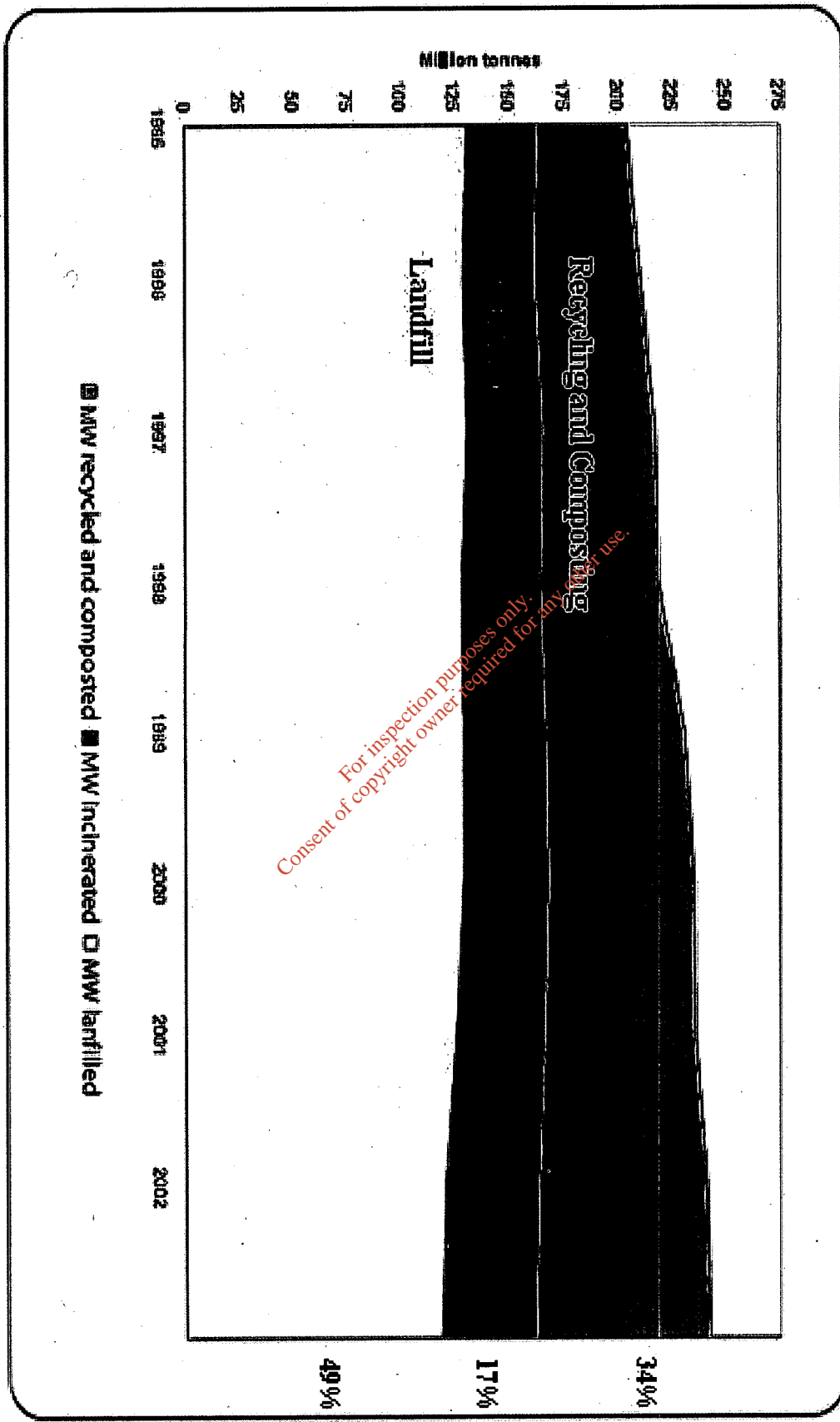
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# National Development Plan

- "In line with national policy on the integrated approach to waste management, thermal treatment with energy recovery will be the preferred option for dealing with residual waste after achieving ambitious targets in respect of waste prevention, recycling and recovery"
- "These waste to energy plants will be provided as entirely private sector developments or by way of public/private partnerships"
- "In the case of the Dublin Region, the relevant authorities are proceeding by way of public private partnership for which the necessary regulatory approvals are being sought"
- Achievements to Date & Key Challenges Ahead
  - "A fully integrated waste management structure: Not all waste can be recycled. Best international practice favours waste-to-energy treatment in preference to landfill. A number of waste-to-energy facilities are at various stages of the planning and waste licensing process. These are necessary so that Ireland can have a fully integrated waste management structure."
  - Waste prevention
    - "A National Waste Prevention Programme has been established and is being headed by the EPA to progress what can be achieved domestically and the Department is in continuous discussion with its EU counterparts to discuss community-wide approaches."

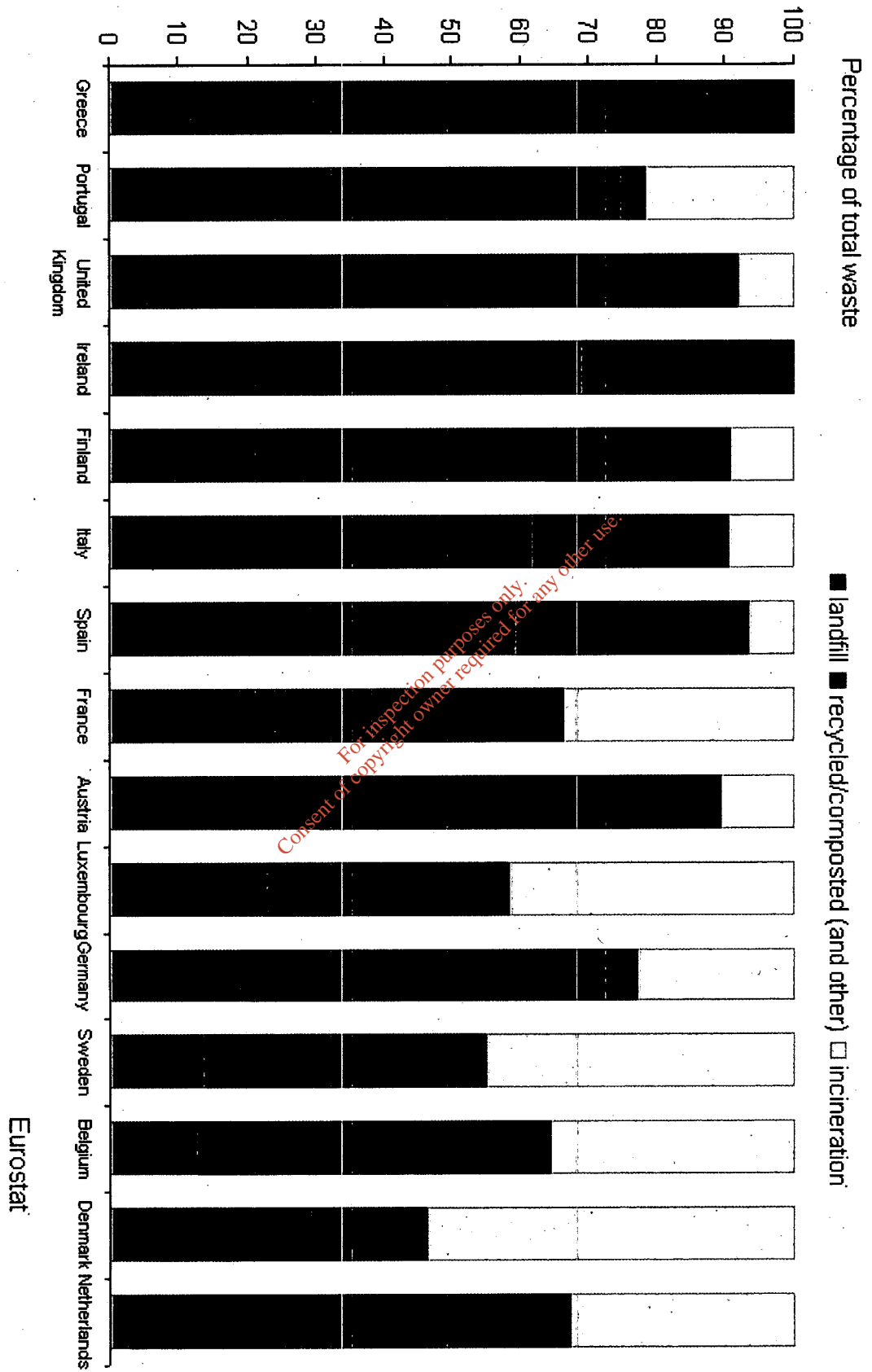
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# Treatment of municipal waste in EU



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Municipal waste management in the European Union



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