

# Waste Strategy and Plans

MTAG

2 February 2006

**MARKET TRANSFORMATION PROGRAMME**

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# Approach

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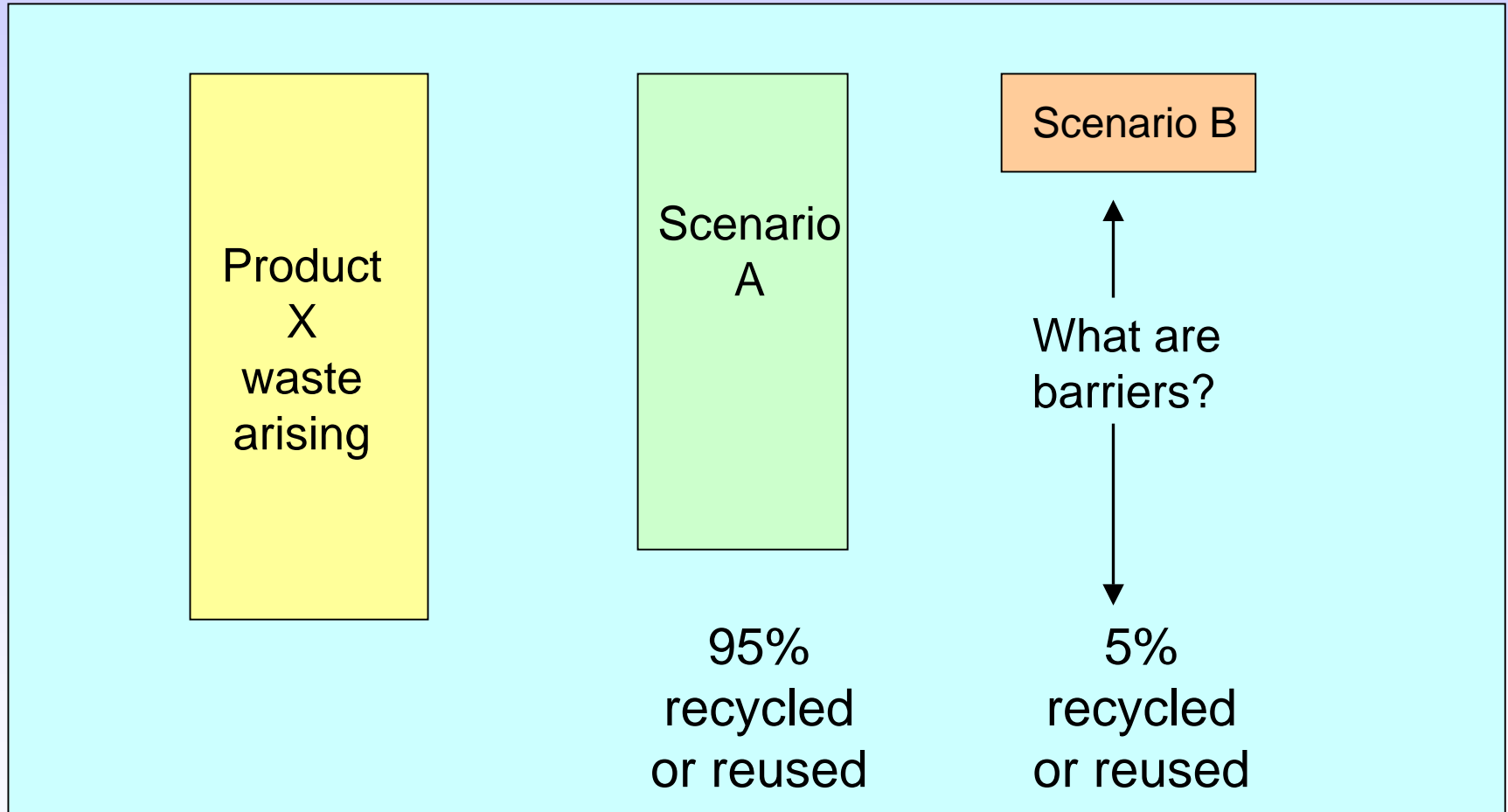
# Policy Drivers

- There are many, including;
  - Waste Strategy 2000 (being revised)
  - Landfill Directive
  - Waste Electronic and Electrical Equipment Directive
  - Restriction of Hazardous Substances Directive
  - Packaging and Packaging Waste Directive
  - Regulations on substances that deplete the ozone layer
  - Hazardous Waste Regulations
  - Disposal of Waste Oil
  - Code for Sustainable Building (ODPM)

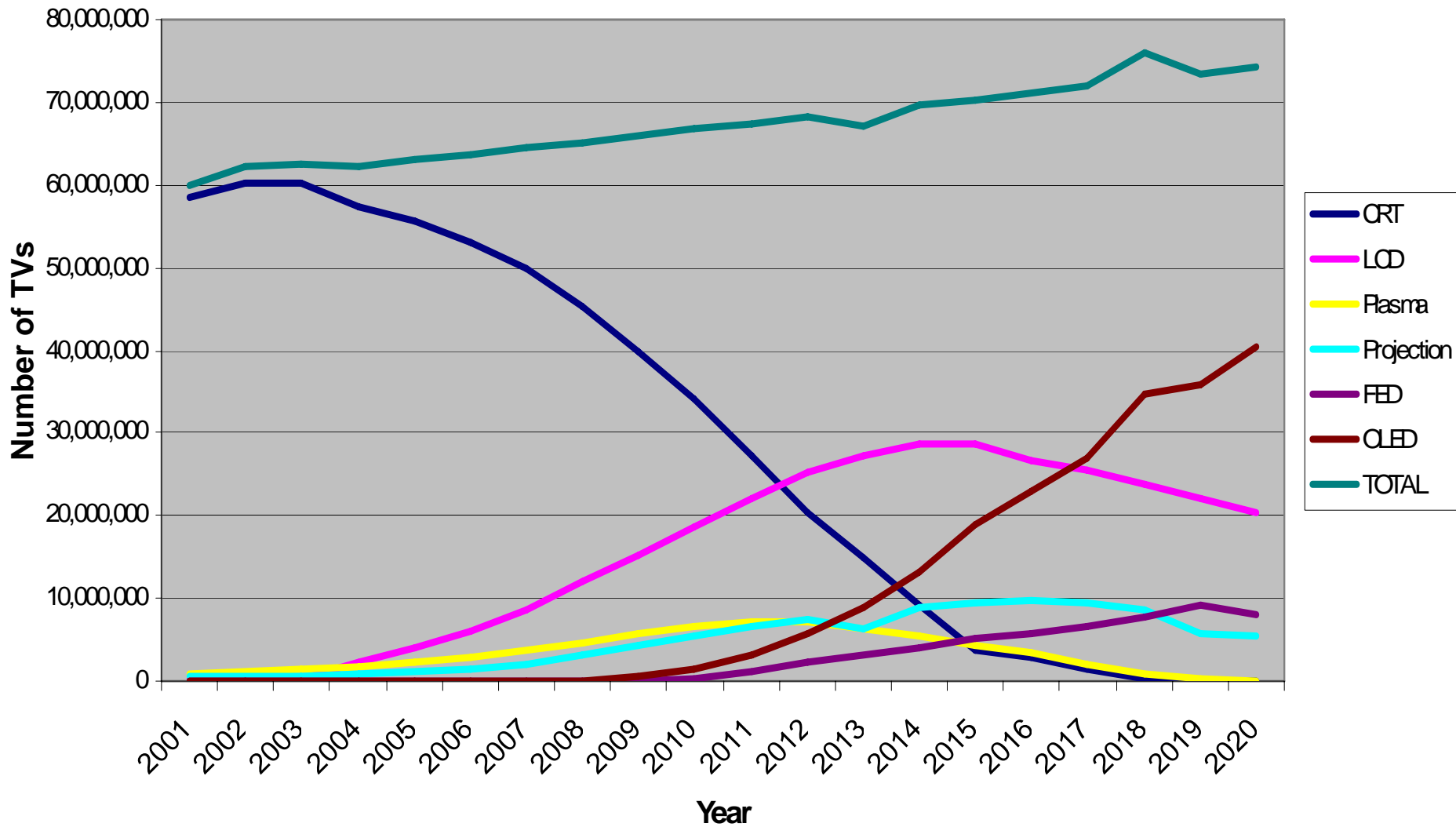
# Approach

- Focus on MTP core strengths;
  - Develop evidence base
  - Form 'Risk assessment' via projections.
  - Involve business
- Be pragmatic;
  - Work on products core to present MTP activity
  - Cannot tackle everything
- Develop methods
  - Then tackle relevant non-energy consuming products

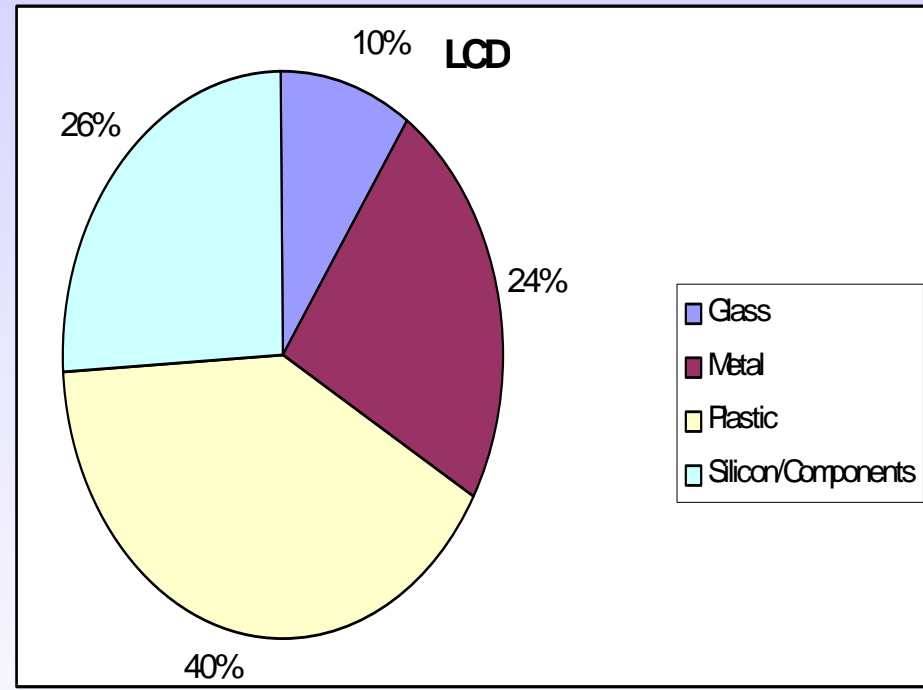
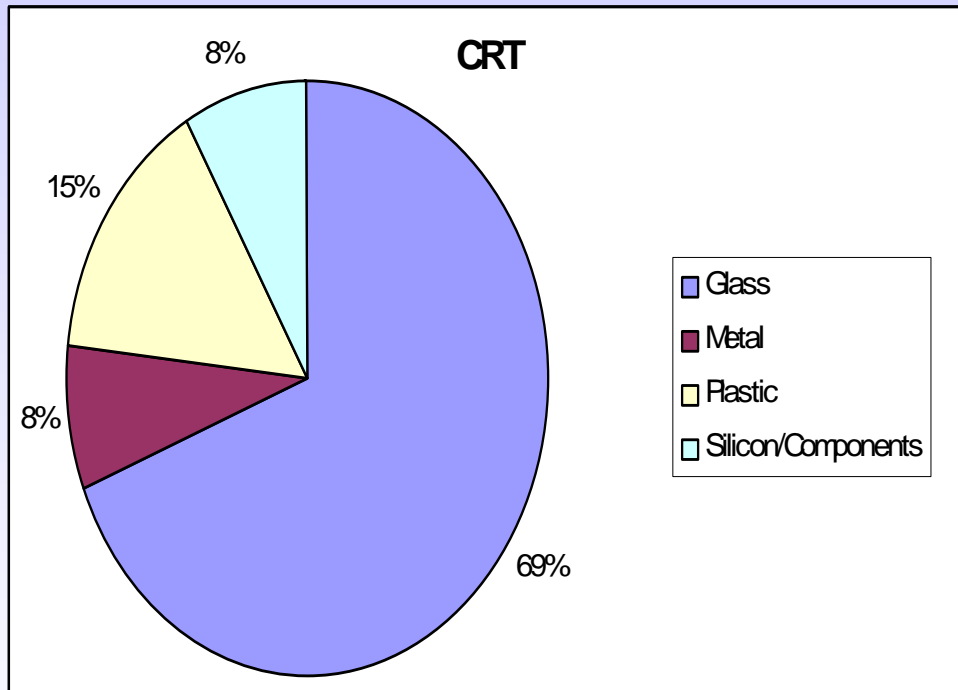
# Is the waste stream a problem?



# TV Stock by Type



# Compositional Data – TVs



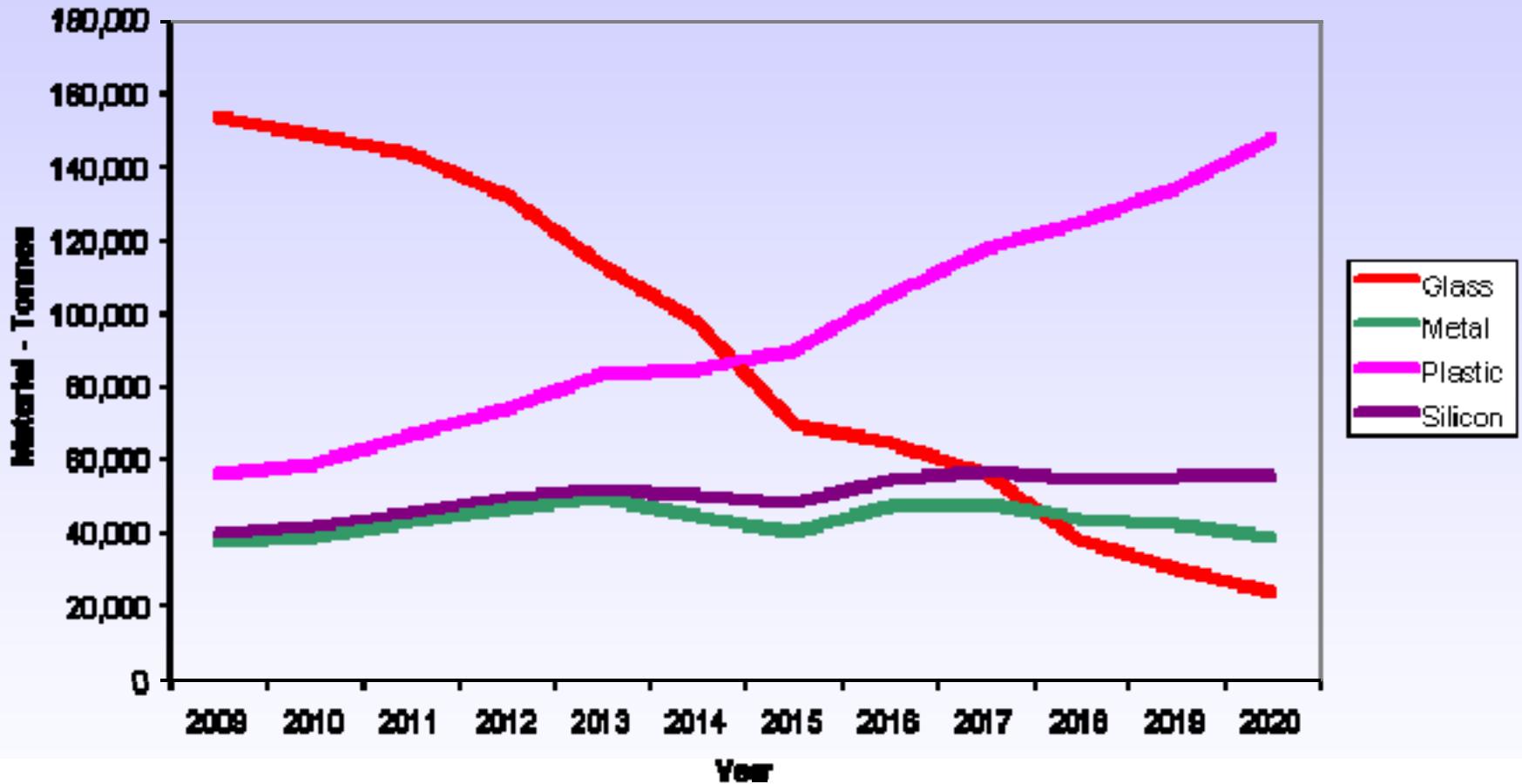
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# TV Waste Materials

## Disposal of Televisions - Materials Arising

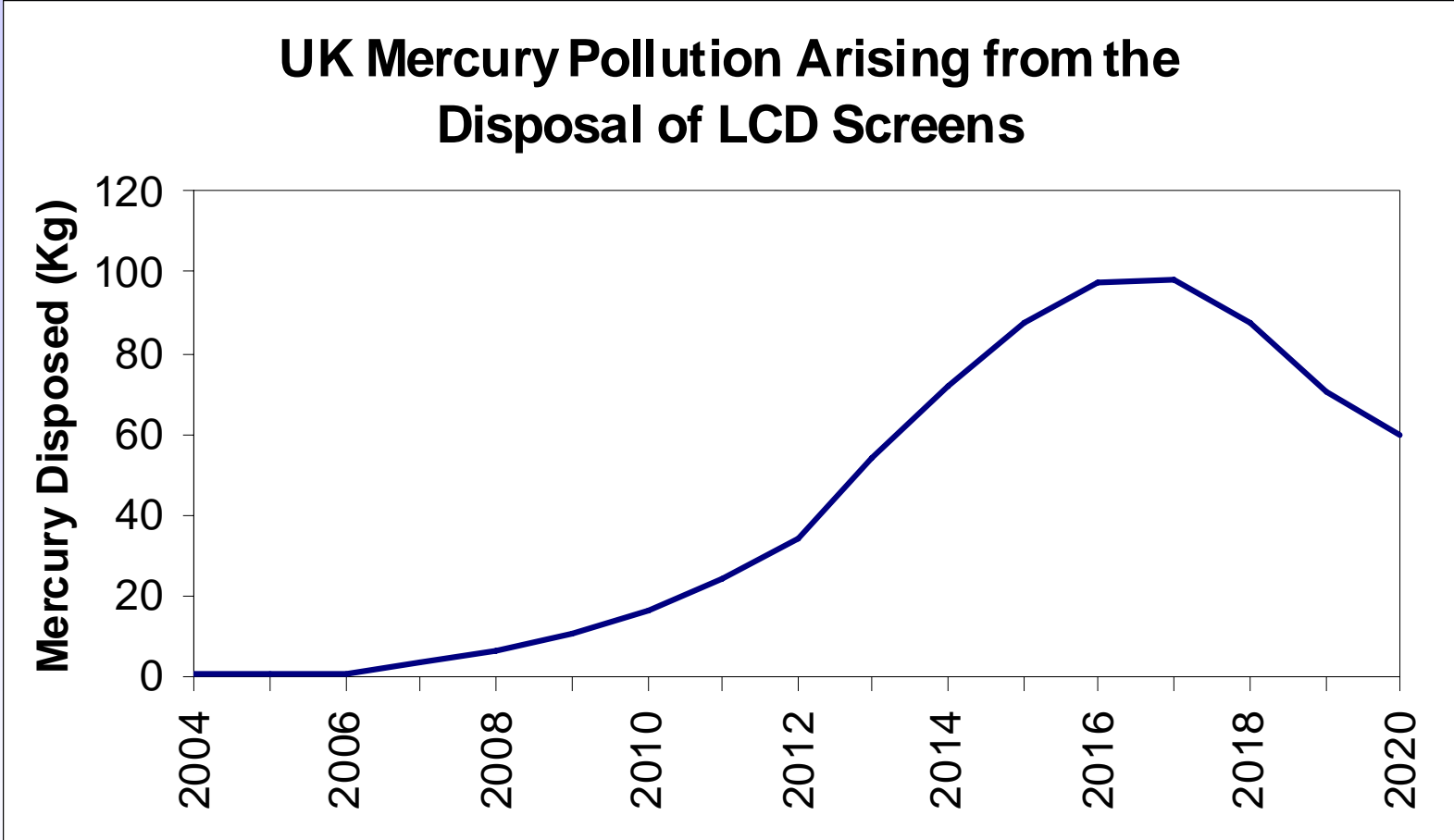


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# Mercury in LCDs (Reference)

## UK Mercury Pollution Arising from the Disposal of LCD Screens

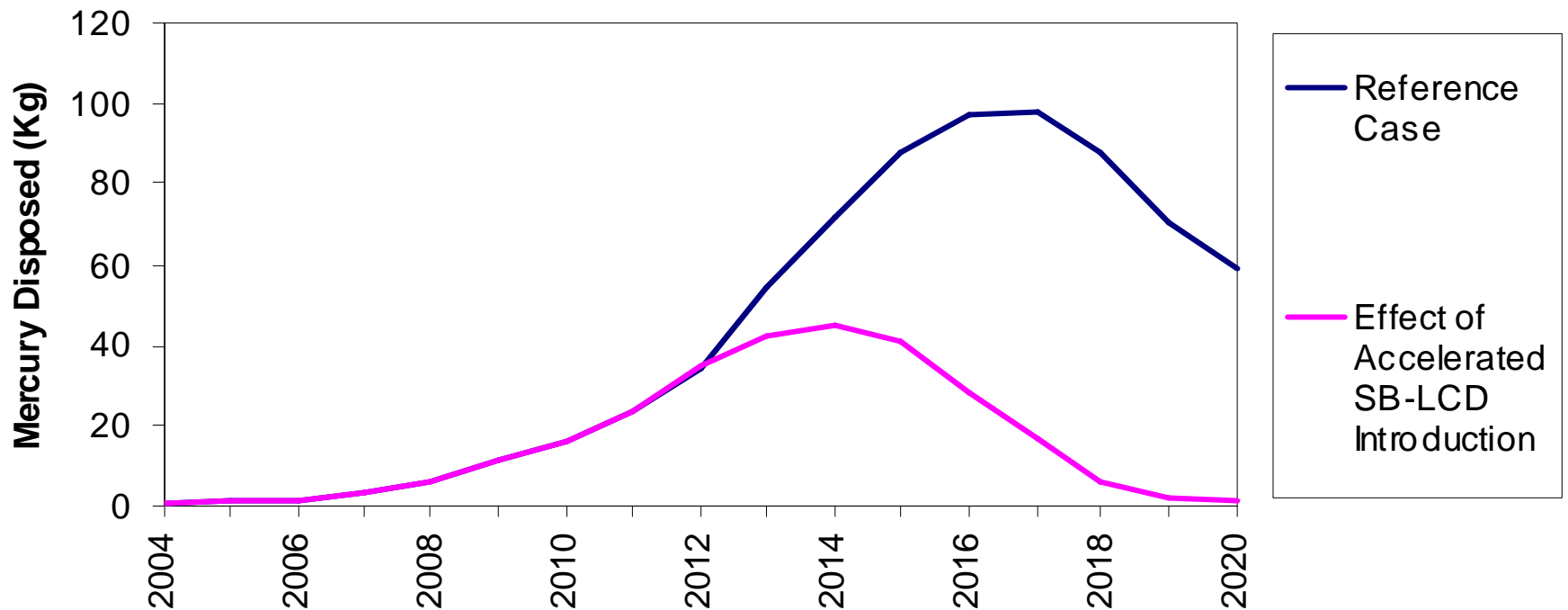


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# With Policy Intervention

## UK Mercury Pollution Arising from the Disposal of LCD Screens



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# Progress

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# Waste Scoping Studies

- Prioritised MTP products in terms of waste;
  - Consulted Defra, WRAP and Environment Agency
- Completed – Textiles & Printer Cartridges
- Several underway to devise Policy Action Plans:
  - Lamps
  - Washing machines etc
  - Fridges etc
  - Consumer electronics & ICT equipment (working with Environment Agency)
  - Packaged cooling equipment
  - Air conditioning
- Waste in What-If? tool

# New Products for MTP

- Plasterboard and Tyres
  - Common evidence bases with WRAP
- Window systems
- Mattresses
- Convenience Foods
  - Scoping whole-life issues for Defra SCP evidence base

# Addressing Barriers

- For WEEE products, scope resource efficiency potential for;
  - Active Disassembly (with Envirowise and DTI)
  - Remanufacturing (with Envirowise)
- Reduction of Hg levels in CFLs;
  - Technology roadmap


# Generic Activities

- Application of product waste information to;
  - Product information (labels, standards etc)
  - EuP (implementing measures)
  - Performance Standards Information Base (PSIB)

# Activities for 2006/07

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# Strategic Priorities for 2006/07

- Waste budget £960k
- Activities – largely Evidence Base development
- Complete Policy Action Plans:
  - Consult and implement policy
- Review need to develop Policy Action Plans for other MTP sectors
- Develop Construction Sector:
  - Modern Methods of Construction
  - Roofing, floor coverings & insulation materials
  - Procurement specifications & compliance

# Candidates for 2006/07

- Depending on priorities;
  - Policy to take forward Active Disassembly & Remanufacturing
  - Regionalise the Evidence Base
  - Whole life resource flows;
    - Much work underway by various bodies
    - MTP to bring product perspective
  - Sheep-dip (with EA)

# If we get it right....

- Resource efficiency savings;
  - LEDs replacing fluorescent technology;
    - 400 kg mercury in TVs (to 2020)
    - 6t mercury in fluorescent lamps (to 2020)
  - Plasterboard recycling;
    - Currently 70k tonnes (per annum)
    - Potential is 400k tonnes (per annum)
  - TV plastics;
    - Potential rising to 160k tonnes (per annum)

# Your Feedback Appreciated

- Agree with direction?
- Are there other needs?

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