



Quality and Quantity

How close are we to a market solution?

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What is the competition?

- Landfill
- Incineration
- Various alchemy machines
- Commingled collections
- BMW diversion fines



The Newport Situation

- 53,500 households
- Weekly kerbside collection
- Alternate weekly kerbside collection
- Paper, glass, cans, plastic, textiles, mobiles and cartridges separated at source
- 2 x 55 litre boxes per week
- 90% Urban



Outputs

- Over 220 kgs/hh/annum from kerbside
- 0.25% rejection rate (mostly plastic)
- Less than £50 per tonne net operational cost (2006-07)
- Material sales cover more than half the total cost of service.



Cost Breakdown

Wage Costs	649,420
Overheads	105,003
Vehicle Costs	226,470
Processing Costs	63,395
Total	1,044,288
Material Sales	567,249
Net Total	477,039
Cost per tonne	£45.69



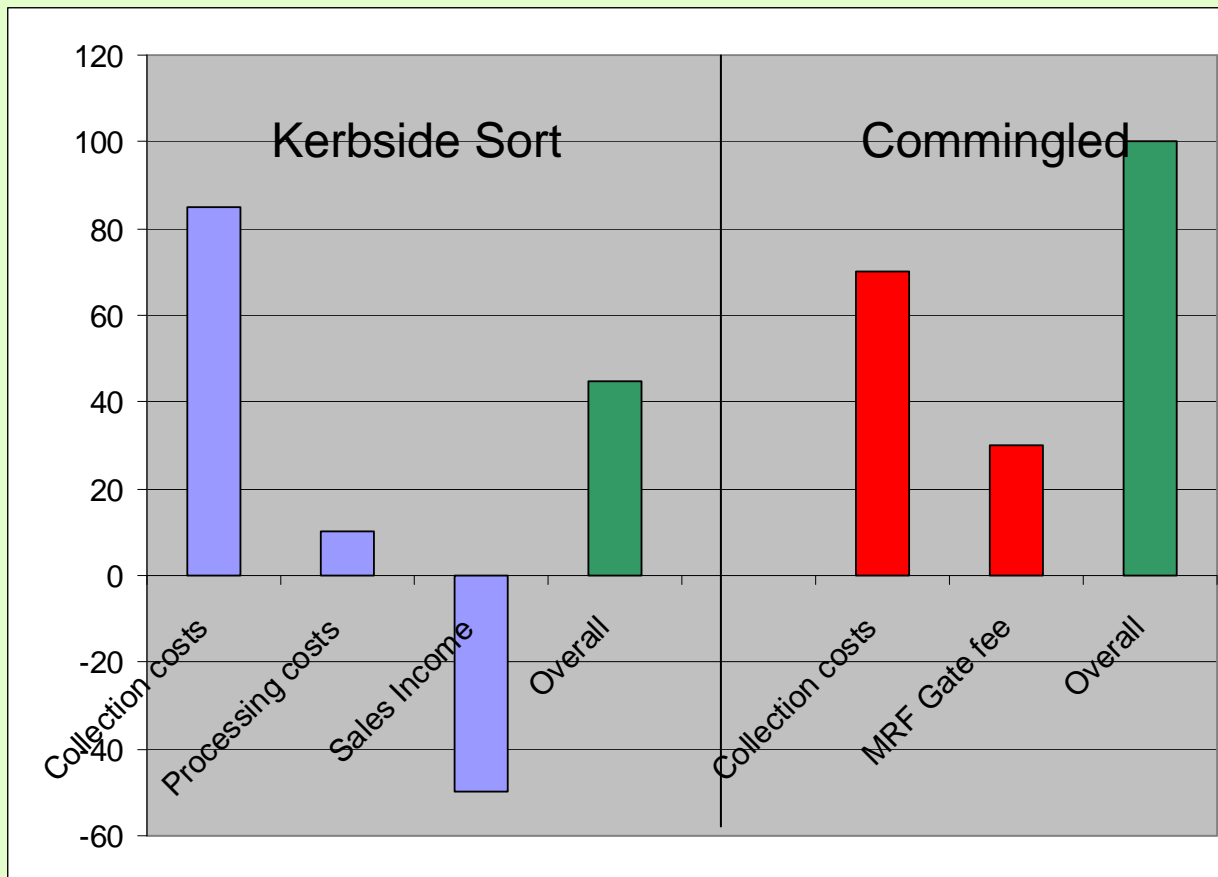
The not costs

- Average landfill disposal costs £40-45 per tonne and rising sharply per year
- Average collection costs £35-£40 per tonne.
- Fines £200 per tonne (£150 in England)
- Commingled - collection costs + gate fee + landfill costs
- Alchemy Machines – collection costs + gate fee + EfW + Landfill costs.



Cost profiles

kerbside sort v commingled



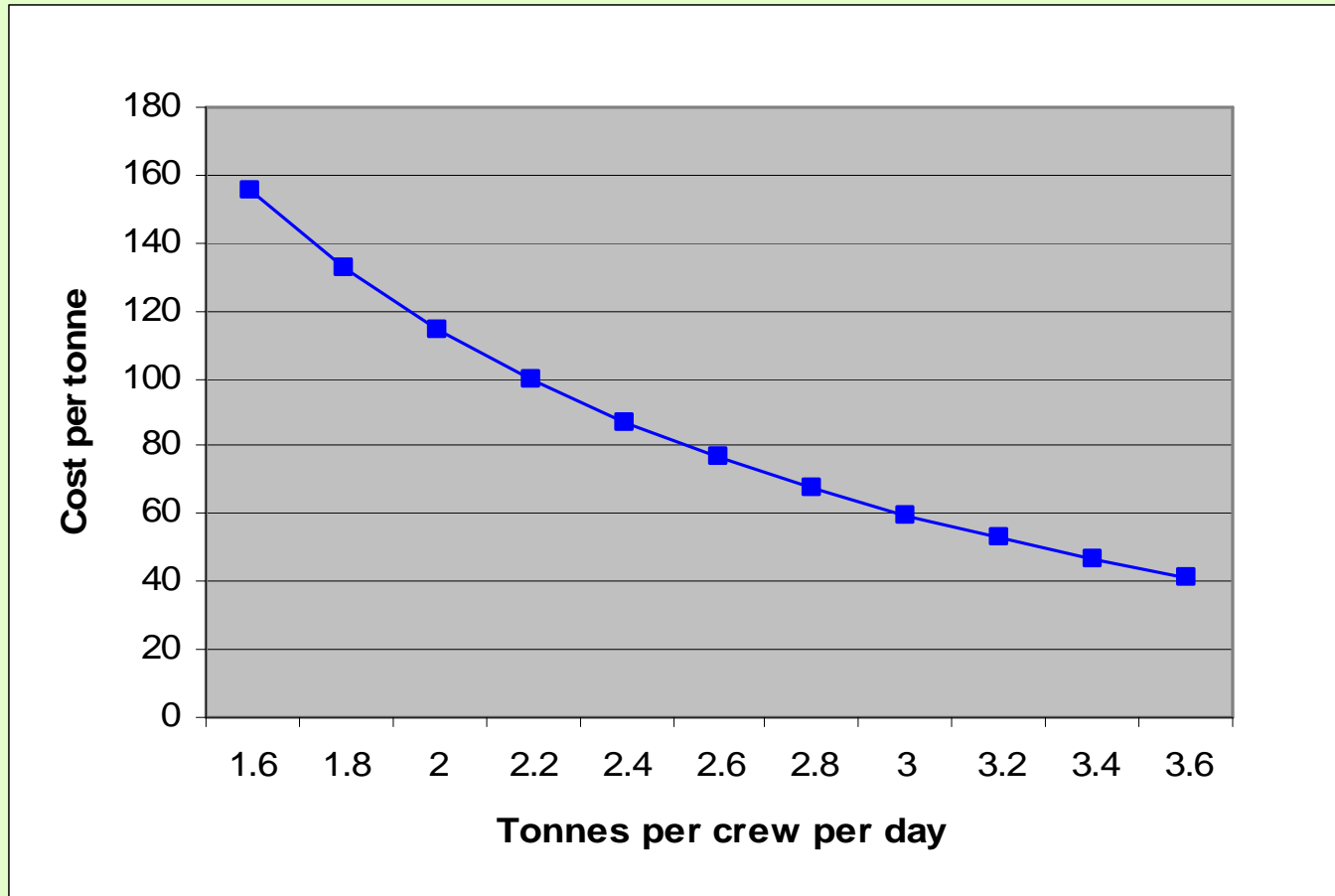


Factors effecting costs

- Material price
- Types of material targeted
- Composition of recycling stream
- Scale – spreading management costs
- Quality of management
- Productivity



Productivity





Factors effecting productivity

- Time spend travelling
- Vehicle design
- Quality of set out
- Percentage of light materials
- Ease of access to streets
- Staff



Thanks for listening

for more info

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