SOLID WASTE MANAGEMENT IN KENYA

OPPORTUNITIES AND CHALLENGES

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Presentation Outline

• Legal framework
• Status of waste management in Kenya
• Challenges
• Opportunities
• Conclusion
Legal framework

- EMCA 1999
- Review of Regulation to incorporate:
  - Plastic waste
  - Waste oil
  - Health care waste
  - E-waste
  - Asbestos waste
  - Waste tyres
Status of Waste Management in Kenya

• Garbage – Less than 40% collected
• Plastics – below 30micron banned
• Health care – bio-medical waste incineration
• E-waste – to establish collection centers and take back schemes (2 dismantlers licensed)
Status of Waste Management in Kenya Cont’

- Waste oil – decantation but moving to proper recycling
- Asbestos waste – guidelines directing burial
- Waste tyres – setting up collection centers - cement industries (energy source)
Challenges

• Legislative framework
  ➢ Lack of S.W.M policy
  ➢ Institutional arrangements
  ➢ Gaps in sector specific regulations

• Capacity
  ➢ Inadequate enforcement
  ➢ Low public awareness
  ➢ Financial implications
Challenges cont...

- Level of Economy (high vs. low income areas)
- Infrastructure
- Illegal structures and informal settlement
- Planning for collection centers and disposal/treatment sites
Opportunities

• Resource recovery and reuse of valuable resources
• “Green economic growth” - Through creation of new Business and employment creation
• Climate change mitigation - Emission reduction
• Waste to energy - easing pressure on non-renewable source of energy
Opportunities Cont’

• Foreign exchange through export of fractions as raw materials for EEE
## E- waste material recovery

(SOURCE PETEC Japan)

<table>
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<th></th>
<th>Flat Panel TV</th>
<th>Liquid Chrystal</th>
<th>Cathode ray tube TV</th>
<th>Washing machine/dryer</th>
<th>Air Conditioner</th>
<th>Refrigerator</th>
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<td>1%</td>
<td>3%</td>
<td>4%</td>
<td>17%</td>
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<tr>
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<td>5%</td>
<td>4%</td>
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</table>
Conclusion

“Waste is a valuable source of resource. Let us exploit it for sustainable development”

Thank you