



**Ministry of Environment, Solid Waste Management & Climate Change
(Solid Waste Management Division)**



New Solid Waste Management Strategy *-a transition toward circularity*

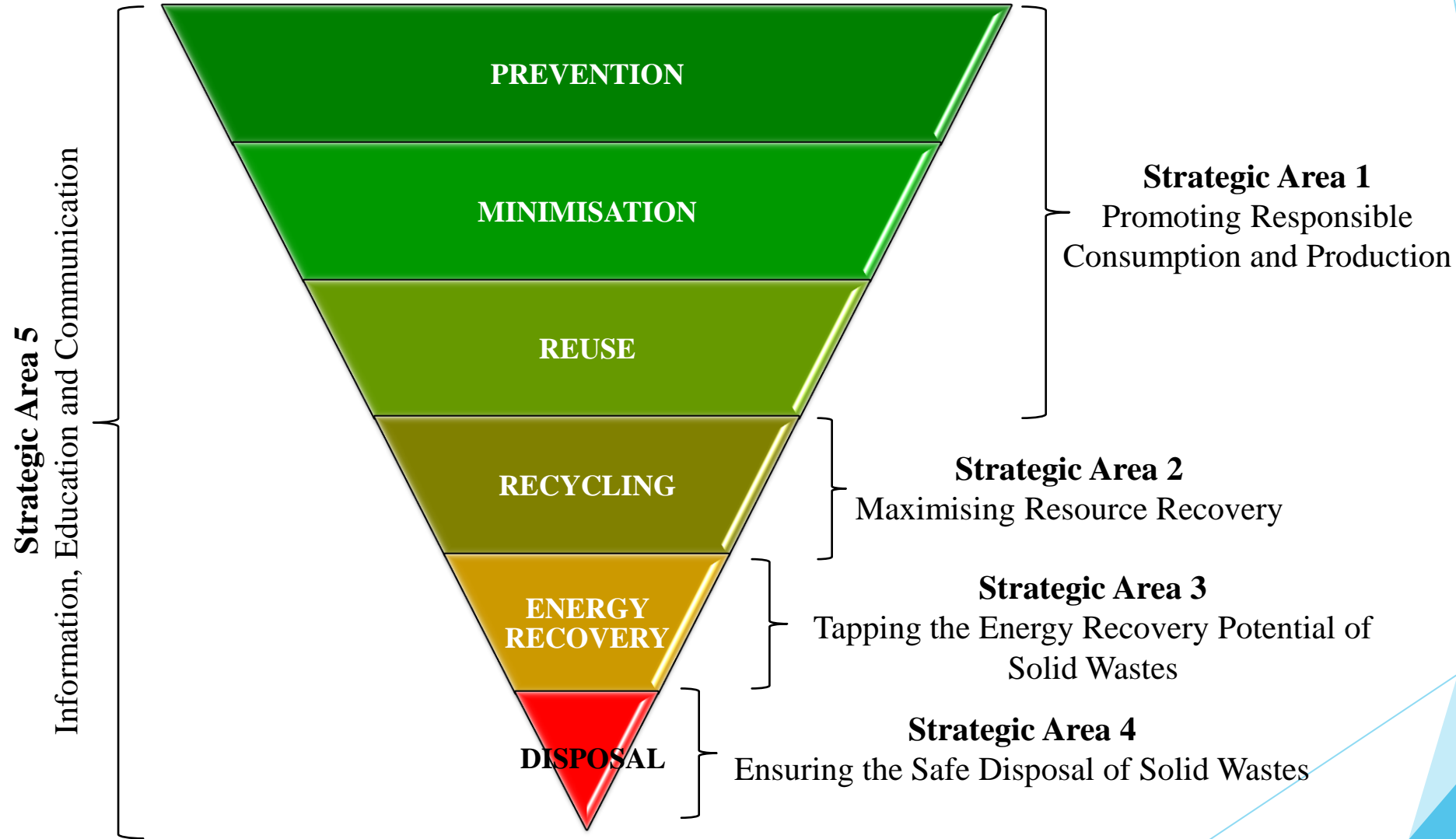


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Director, Solid Waste Management Division

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New Solid Waste Management Strategy-Transition towards Circularity in Waste Management



New Solid Waste Management Strategy

- ▶ **Implementation of Recommendations of Feasibility Study Report:**
 - ▶ **Strategic Area 1: Promoting Responsible Consumption and Production- Prevention ,Minimsation and Re-use**
 - ▶ **Waste Prevention**
 - ▶ Procurement and Supply of composter bins
 - ▶ Amendment to Dumping and Waste Carriers Regulations to encourage carrying up to 500 kg of waste without a waste carrier licence and small lorries with lorry baskets having 50 cm can carry C & D and dry wastes/ bulky wastes.
 - ▶ Network of Civic Amenity Centres - receive sorted wastes for recycling – 3 already constructed (La Chaumiere, La Laura & P 'Or Transfer Stations)
 - ▶ Request for Proposal (RFP) for used tyres - under evaluation

New Solid Waste Management Strategy

....Waste Prevention

- ▶ Feasibility Study (FS) for end of life (EOL) vehicles completed- recommended licensing Facilities for EOL vehicles and amendment to Road Traffic Act
- ▶ Extended Producer Responsibility (EPR) – Preparation of Regulations for Management of E Goods/ wastes
- ▶ Extended Producer Responsibility (EPR) – Preparation of Regulations for beverage containers- PET & other plastics and Aluminium Cans

New Solid Waste Management Strategy

- ▶ **Strategic Area 2- Maximising Resource Recovery**
 - ▶ Transaction Adviser recruited to prepare Bidding Documents to invite potential Bidders to submit proposals for the setting-up of regional composting plants and sorting units on PPP basis
 - ▶ Preparation of Integrated Waste Management Bill
 - ▶ Preparation of Regulations for the Sorting of waste at source and Construction and Demolition wastes
 - ▶ Tender for procurement of bins (3 bins to each household)

New Solid Waste Management Strategy

- ▶ **Strategic Area 3-Tapping the Energy Recovery Potential of Solid Wastes**
 - ▶ Short to Medium Term- Possibility of Anaerobic Digestion for Energy and compost
 - ▶ Long term – waste characterisation of residual waste and FS to study potential for WtE from the residual waste.
- ▶ **Strategic Area 4-Ensuring the Safe Disposal of Solid Wastes**
 - ▶ Vertical Expansion of the Mare Chicose landfill
- ▶ **Strategic Area 5-Information, Education and Communication**
 - ▶ Education & Sensitisation Campaign

Waste Segregation at Source



Organic Wastes

- Food wastes (peels, leftovers)
- Yard/Garden wastes (leaves, small branches)



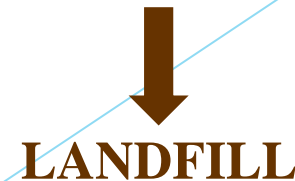
Recyclable Materials

- Paper/Carton
- Metals
- Plastics, **Textiles ?**

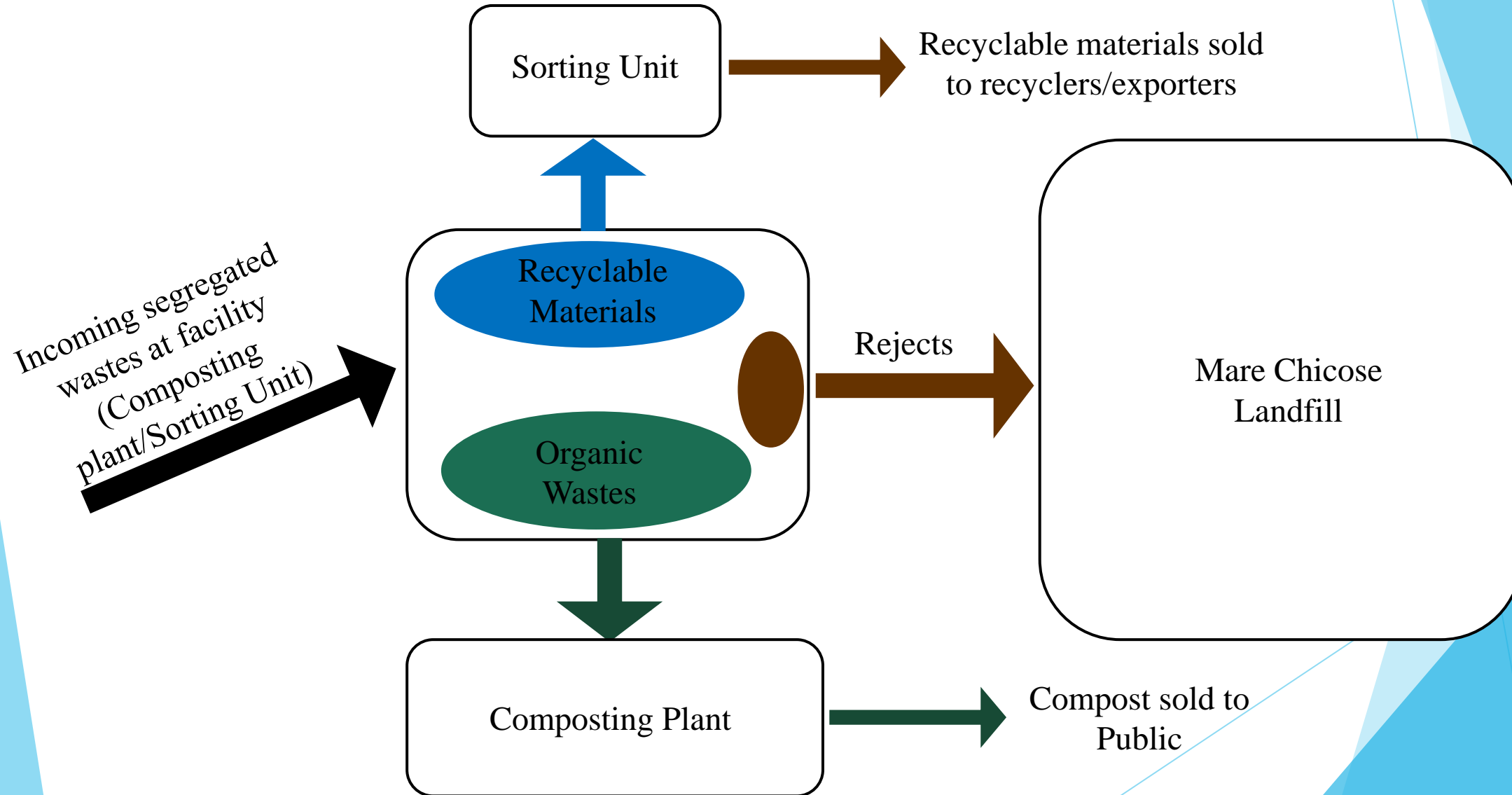


Residual Wastes

- Contaminated paper/carton, plastics,
- Tetrapack
- Diapers, Sanitary pad
- **Textiles?**



Segregated Wastes at Composting Plant/Sorting Unit



Waste Segregation at Source – Obligations of Ministry

- ▶ The Solid Waste Management Division **to come up with a Regulation** on Waste Segregation at Source
- ▶ The Solid Waste Management Division **to enforce** the Waste Segregation Regulations in collaboration with the Local Authorities
- ▶ The Ministry in **collaboration with MOLG and LA s** **to supply bins** to households for separate collection of organic wastes, green wastes and residual wastes
- ▶ Need for small 10 L **plastic bags to households** for separate storage of food wastes- too costly. Should we put a subsidy on waste plastic bag?

Waste Segregation at Source – Obligations of Households

- ▶ Households to **separate their wastes and separately store** in either green/blue/brown bins
- ▶ Households to **place bins on kerbside** for easy collection by Local Authorities
- ▶ **Organic wastes** – Households to place food wastes in plastic bags and then, into **green bins** together with yard wastes
- ▶ **Recyclable wastes** – Households to place paper, carton, plastics and metals in **blue bins**
- ▶ **Residual wastes** – Households to place residual wastes such as diapers, sanitary pads and other contaminated wastes in **brown bins**
- ▶ **For flats/apartments, big bins of green, blue and brown (600-L capacity) need to be provided by the “SYNDIC” . What about NHDC flats, Public Officers Quarters?**

Waste Segregation at Source – Obligations of Commercial Sector (Shopping Malls, Hotels)

- ▶ Shopping Malls and Hotels to purchase their own bins (green, blue and brown) for source-separation of wastes
- ▶ Shopping Malls and Hotels to make their own arrangements for the transportation of their segregated wastes to either nearest transfer station, civic amenity centres or directly to the sorting unit or composting plant. Shopping Malls and Hotels may also direct their segregated wastes to recyclers/exporters.

Waste Segregation at Source – Obligations of Local Authorities

- ▶ to distribute bins to households
- ▶ to enforce Waste Segregation Regulations together with the Solid Waste Management Division
- ▶ Local Authorities to separately collect the source-segregated wastes as follows:
 - ▶ Organic wastes – Weekly
 - ▶ Recyclable materials – Once every two weeks
 - ▶ Residual wastes – **Once every two weeks?**
- ▶ Local Authorities to transport the source-segregated wastes to the closest transfer stations or to the composting plant and sorting unit
- ▶ What Other Obligations ??

THANK YOU

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