



Ministry of the Environment
and Water Resources

Singapore

Vitalising Actions by Citizens in Singapore

Presentation by

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Ministry of the Environment and Water Resources

Singapore



Singapore's State of the Environment

Clean Air

Clean Water and

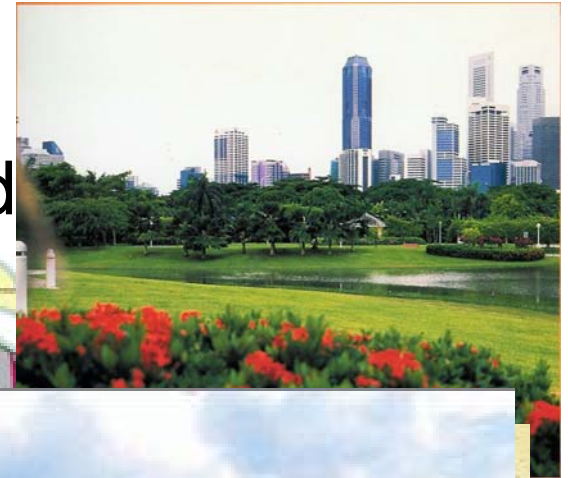
Clean Land





Success Factors

- Forward planning
- Strict and effective legislation and
- Public ownership





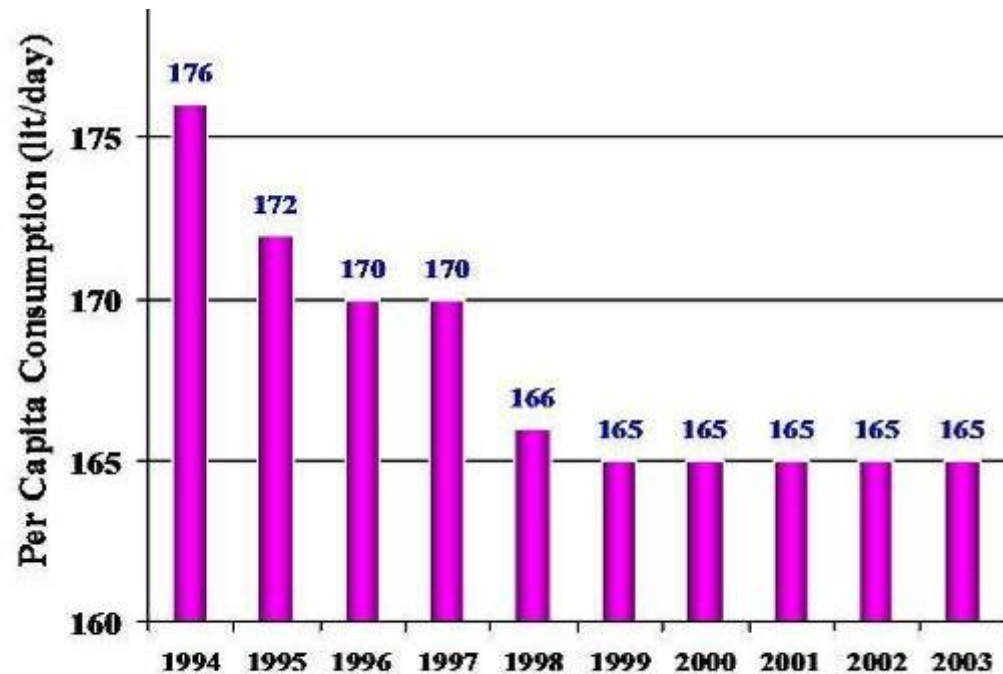
Vitalising Individual Efforts

- Water Conservation
- Recycling
- Taking care of our waterways
- Climate Change





Achievements in Water Conservation Efforts in the Past



Through regulatory measures such as water conservation tax and raising water tariffs

1994 – 176 litres

2003 – 165 litres



Individual Efforts in Water Conservation

- Water Efficient Homes programme was launched in 2003
- Distribution of water saving devices
- Achieved savings of up to 5% in monthly water consumption





Individual Efforts in Water Conservation

- Programmes were targeted at students to educate them on the importance of water
 - Good water saving habits
 - Students proactively spread water conservation message to their families and neighbours





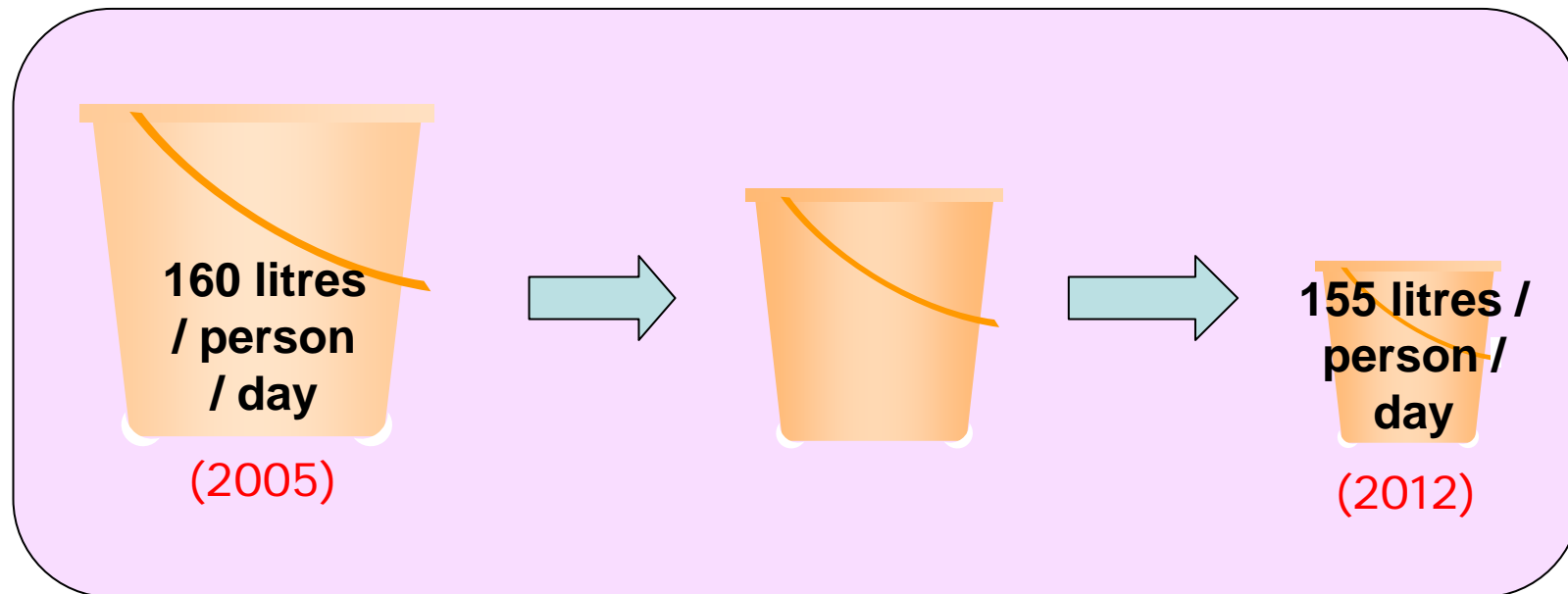
Individual Efforts in Water Conservation

- 10 Litres Challenge
 - encourage individuals to practise water conservation habits in their homes
 - Interactive website portal
 - Water Volunteer Group
 - Water Efficiency Label





Target for Water Conservation



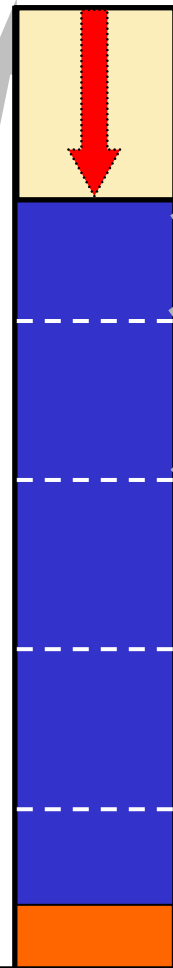
Target: reduce the per capita daily water consumption to 155 litres by 2012



Motivation for 3R in Singapore



Waste
Explosion



Incineration

- Six-fold increase in waste
- Incineration @ waste-to-energy plants
- Recycling
- Towards Zero Landfill



Recycling





Promotion of Recycling

- Before 2001
 - Recycling largely carried out as private sector initiatives with encouragement from the Government
- 2001
 - Government launched National Recycling Programme





Promotion of Recycling

- Providing infrastructure
 - Door-to-door collection of recyclables fortnightly
 - Centralised recycling bins





Public Education and Awareness

- Annual Recycling Day
- Campaigns on recycling





Vitalising Individual Efforts in Recycling

- Support by individuals, students, and residents
 - Participation in recycling
 - School Recycling Outreach Programme





Achievements in 3R Efforts

Overall recycling rate has increased:

2000 – 40%

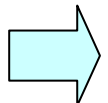
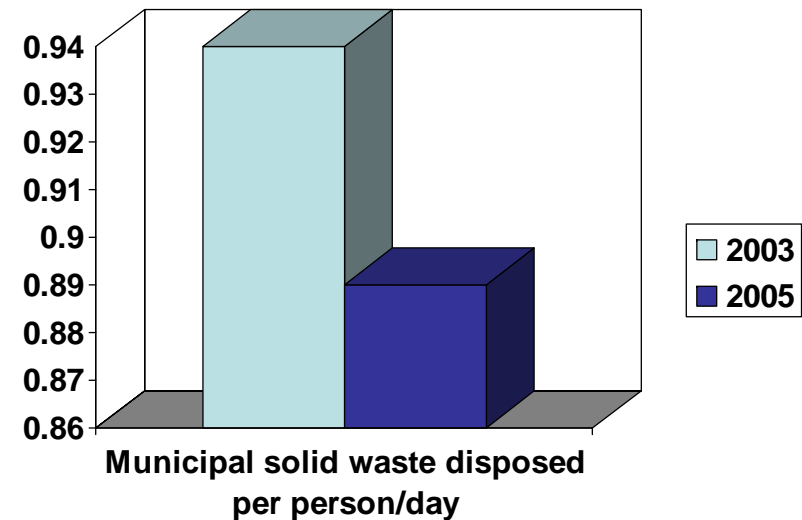
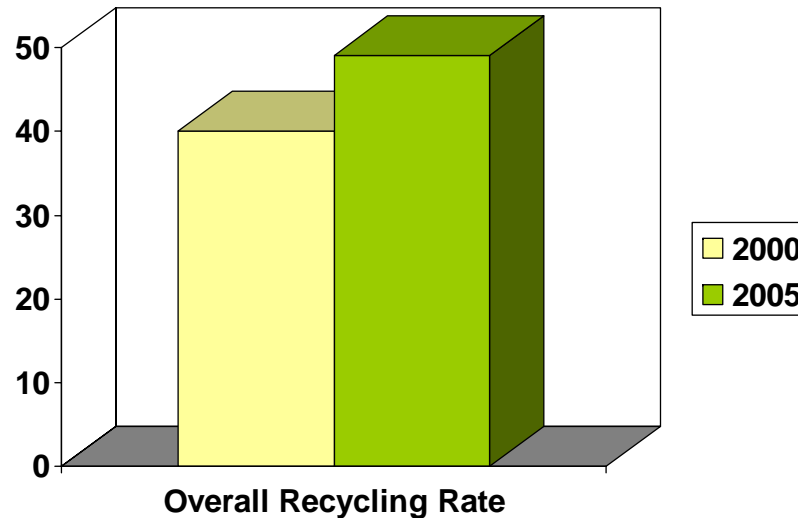
2005 – 49%

Target – 60% by 2012

Municipal solid waste per person/day has decreased:

2003 – 0.94kg

2005 – 0.89kg





Taking Care of our Waterways

- In the past, reservoirs and waterways are purely functional



From 2005, we have gradually opened up our reservoirs for recreational activities, such as kayaking, water skiing and dragon boat race



Taking Care of our Waterways

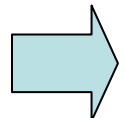
- Individuals take greater ownership of our reservoirs and waterways.
- Value our water resources and keep them clean





Taking Care of our Waterways

- Increasing public involvement in waterways
 - Clean up activities
 - Educating the public on keeping our waterways and catchment clean





Climate Change Awareness Programme

- Climate Change is a global problem that affects everyone
 - However, people may not recognise that tackling climate change requires the concerted efforts of individuals





Climate Change Awareness Programme

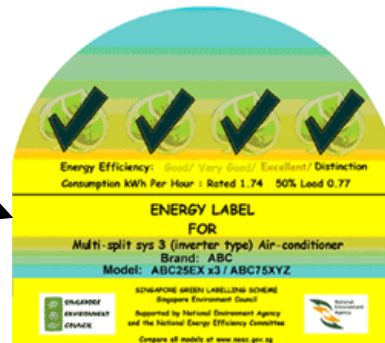
- Singapore launched the Climate Change Awareness Programme to
 - Educate individuals on the linkage between climate change and energy conservation





Climate Change Awareness Programme

- Getting individuals to adopt simple habits to reduce energy and fuel consumption, such as
 - Choosing energy-efficient appliances
 - Adopt good driving and fuel-saving practices



Energy Label





Growing Environmental Awareness





Environmental Ownership by All

To succeed,
the people must share the same
vision as the Government





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Thank You