SINGAPORE

3 November 2016 | Seventh Regional 3R Forum in Asia and the Pacific

Presented by:

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Introducing Singapore



Country and a City-State

Small Land Area 719.2 km²



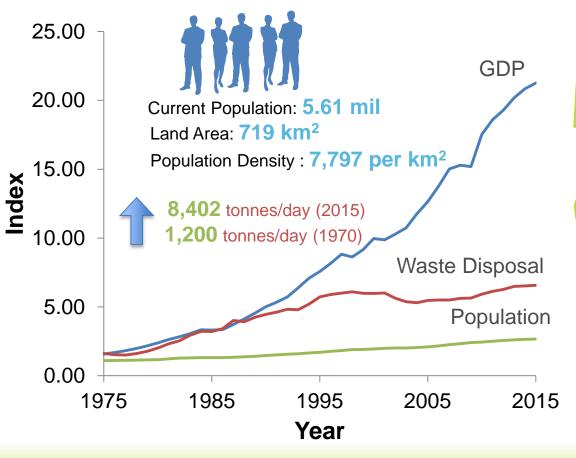
Dense Urban
Setting

5.61 mil population

Limited Natural Resources

Waste Situation in Singapore

- Rapid rise in waste generation will continue if nothing is done
- Land will become more scarce



At the current rate of waste growth... New waste-to-energy Incineration plant every **7-10** years Current landfill will be filled by ~2035 New offshore landfill every **30-35** years But..

there will be less & less land available

Vision for Waste-to-Resource Management

Towards A Zero Waste Nation

A sustainable, affordable & integrated waste-to-resource management system

70% recycling rate by 2030



3R practices are integrated with daily life
 & business operations





A vibrant industry manages waste & resources effectively and contributes to economic growth



 Waste management facilities maximise resource & energy efficiency and minimise land footprint & environmental impacts

3R Initiatives for Packaging Waste & E-waste Management

Singapore Packaging Agreement



Joint initiative by the government, industry, and non-governmental organisations (NGOs) to reduce packaging waste

Status as at 28 Sep 2016

179 signatories

32,000 tonnes of packaging waste

gnatories of packaging waste reduced (cumulative)



\$\$75 million in savings over a **9-year** period



National Voluntary Partnership for E-Waste Recycling

Partnership of stakeholders involved in the whole electrical and electronic waste (e-waste) value chain including consumers, producers and retailers, venue partners, and recycling service providers



Lamp recycling bins by Global Lamps Recyclers

Plans for Mandatory Requirements

Mandatory reporting of packaging information and submission of packaging waste reduction plans (by 2019 – 2021)

Development of an E-waste Management Framework for Singapore

Study to develop feasible system designs for the effective collection, recycling and management of e-waste

3R Initiatives for Food Waste Management

Food Waste Reduction

Food Wastage Reduction Outreach Programme











- Food Waste Minimisation Guide for Food Manufacturing Establishments, Retail Food Establishments, and Supermarkets
- Standards for Food Waste Management (under development)









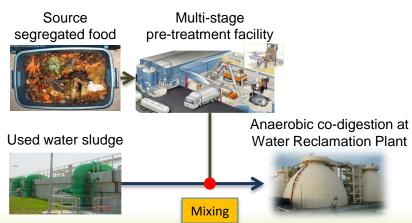
Food Waste Recycling Pilot Projects

On-site food waste recycling at two hawker centres





 Food waste collection for co-digestion with used water sludge at demo facility



Improving Our Waste Management Infrastructure

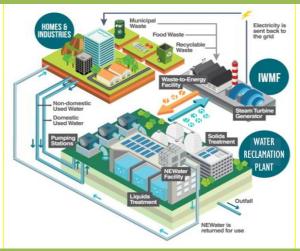
Centralised Recycling Chutes in New Flats



Multi-Storey Recycling Facility (MSRF)



Integrated Waste Management Facility



Metal Recovery Facility



Our Environment

Safeguard • Nurture • Cherish

