

Zero Waste Masterplan

to Achieve a Sustainable, Resource-Efficient and Climate-Resilient Singapore

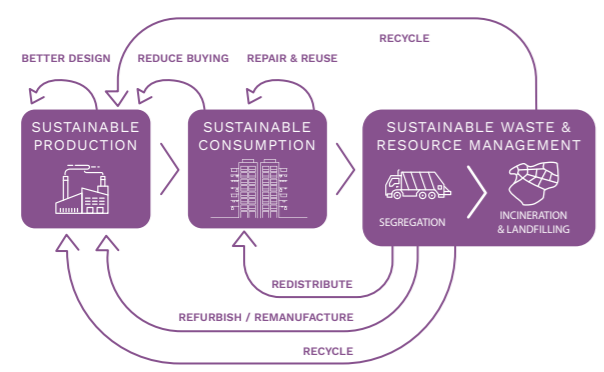
Our Targets

- 1 Extend Semakau Landfill's lifespan **beyond 2035**
- 2 Reduce amount of **waste sent to landfill per capita per day by 30%** by 2030
- 3 By 2030, achieve a **70% overall recycling rate**:
81% non-domestic recycling rate
30% domestic recycling rate

STRENGTHENING THREE RESILIENCES

- Climate Resilience**
Address existential threats of climate change especially rising sea levels
- Resource Resilience**
Ensure safe and secure supply of critical resources like food and water
- Economic Resilience**
Ensure the future Singapore economy remains competitive by overcoming carbon and resource constraints

To achieve this, we will adopt a circular economy approach



GOVERNMENT TAKING THE LEAD

Three Priority Waste Streams

- Food waste**
- E-waste**
- Packaging waste, including plastics**

Resource Sustainability Act

- Mandatory packaging reporting in **2020**
- Extended Producer Responsibility for e-waste by **2021**
- Mandatory food waste segregation for treatment from **2024**



PUSHING BOUNDARIES THROUGH RESEARCH AND INFRASTRUCTURE

- Pneumatic Waste Conveyance Systems**
- TuasOne Waste-to-Energy Incineration Plant**
- Pilot Mechanical Biological Treatment facility**
- Tuas Nexus**
Comprising Integrated Waste Management Facility and Tuas Water Reclamation Plant to harness synergies across the water-waste-energy nexus



- \$45 million Closing The Waste Loop R&D Initiative**
8 projects worth almost \$20 million funded as of 2019
- \$25 million Waste-to-Energy Programme**
Prototype testing at \$40 million Waste-to-Energy Research Facility

TRANSFORMING THE ENVIRONMENTAL SERVICES INDUSTRY

- More than **2,000 firms**
- 30,000 workers** to benefit from the Environmental Services Industry Transformation Map by 2025
- Gov-PACT innovation calls
- \$30 million** Productivity Solutions Grant (PSG)
- Regulatory Sandbox
- INCUBATE** partnerships

CO-CREATING SOLUTIONS WITH THE COMMUNITY

- #RecycleRight** campaign
- New design for recycling bin labels**
- Citizens' Workgroup on household recycling**
- More than **250 companies** consulted
- Over **5,000 households** surveyed on recycling
- More than **1,300 people** participated in public consultation