

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

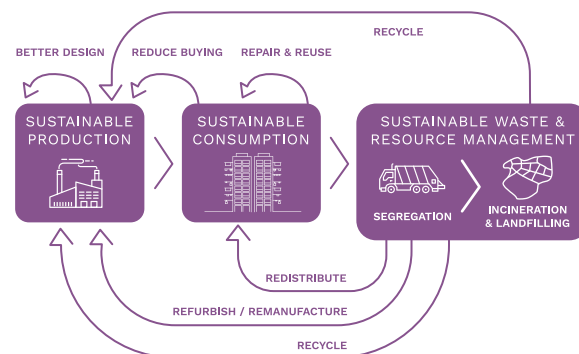
Ensure safe and secure supply of critical resources like food and water



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

Mandatory packaging reporting in **2020**

Extended Producer Responsibility for e-waste by **2021**

Mandatory food waste segregation for treatment from **2024**

Extended Producer Responsibility for packaging, including plastics, **no later than 2025**



PUSHING BOUNDARIES THROUGH RESEARCH AND INFRASTRUCTURE

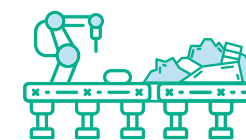


Pneumatic Waste Conveyance Systems

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



NEWSand

Use of incineration bottom ash in construction materials

\$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

More than **250 companies** consulted

New design for recycling bin labels

Over **5,000 households** surveyed on recycling

Citizens' Workgroup on household recycling

More than **1,300 people** participated in public consultation