



WWF-Singapore Market Transformation Initiative (MTI)

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THE PROBLEMS

OUR TARGETS



**DESTRUCTION
OF NATURAL SPACES**



**LOSS OF SPECIES
AND BIODIVERSITY**



**UNSUSTAINABLE
PRODUCTION
AND CONSUMPTION
OF NATURE'S RESOURCES**



**ELIMINATE LOSS
OF NATURAL HABITATS**



**ELIMINATE HUMAN-
INDUCED
EXTINCTION**



**HALVE THE
FOOTPRINT
OF PRODUCTION
AND CONSUMPTION**

What is PACT (Plastic ACTION)?



With PACT, we provide solutions and resources, empowering businesses to reduce their plastic footprint, based on the PACT Guiding Principles.



1) Individual Commitments

Setting specific and ambitious circular economy goals



2) Sectoral Collaboration

Collaborating with entire sectors on research and pilots



3) Expertise

Provision of Resources, Tools and Capacity-Building

More on <https://plastic-action.asia/>



PACT IMPACT REPORT 2021
PLASTIC ACTION IN SINGAPORE | OCT 2021

**Over
85 million**

pieces of plastic items and
packaging avoided

► Find out more in the
2021 Impact Report



PACT IMPACT REPORT 2021
PLASTIC ACTION IN SINGAPORE | OCT 2021

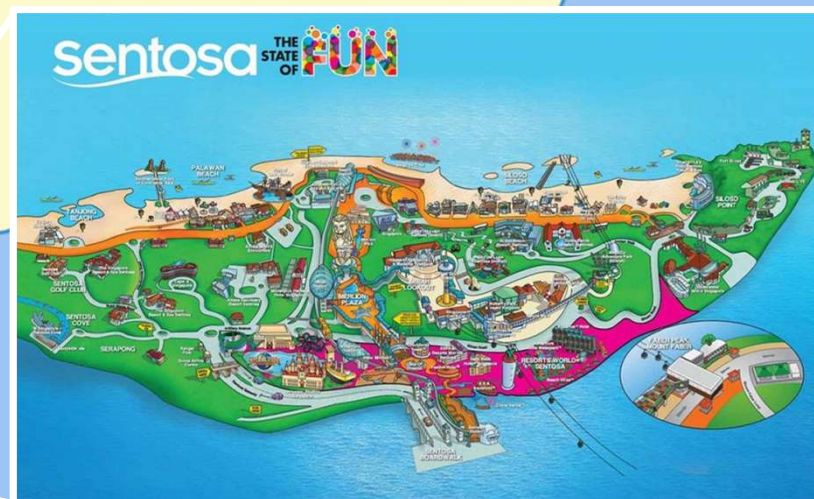
“PACT’s success
highlights how NGOs and
businesses play a crucial
role in driving waste
reduction and helping
Singapore’s transition to
a circular economy.”

Grace Fu
Minister for Sustainability
and the Environment



**Singapore is a country
and a city-state**





Sentosa Development Corporation (SDC)'s Vision & Mission



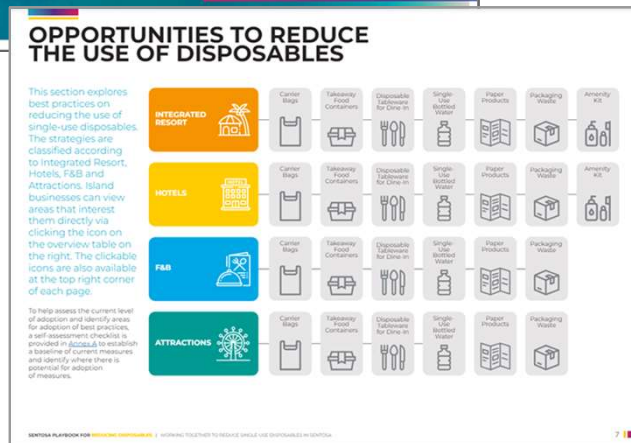
Vision	To be the world's best loved leisure and lifestyle resort destination
Mission	To create & deliver the One-Sentosa Experience through outstanding service and world class offerings

Island Positioning: "An Island Playground in a Global City"

Iconic Tourism Destination	Accessible getaway destination, 10min from city, 30min from airport	Clustered world-class attractions, with day & night offerings	Exciting Master Plan developments to expand and enhance offerings	Singapore's only integrated, luxurious oceanfront marina and residences
Spectrum of leading hotel & MICE offerings	Singapore's best beaches with unique beach events	Service Excellence Island-wide	Connection to natural (Southern Islands, Mount Faber) and heritage landscapes	Singapore's best golf courses, world's best golf club



WWF-Singapore and SDC Collaboration



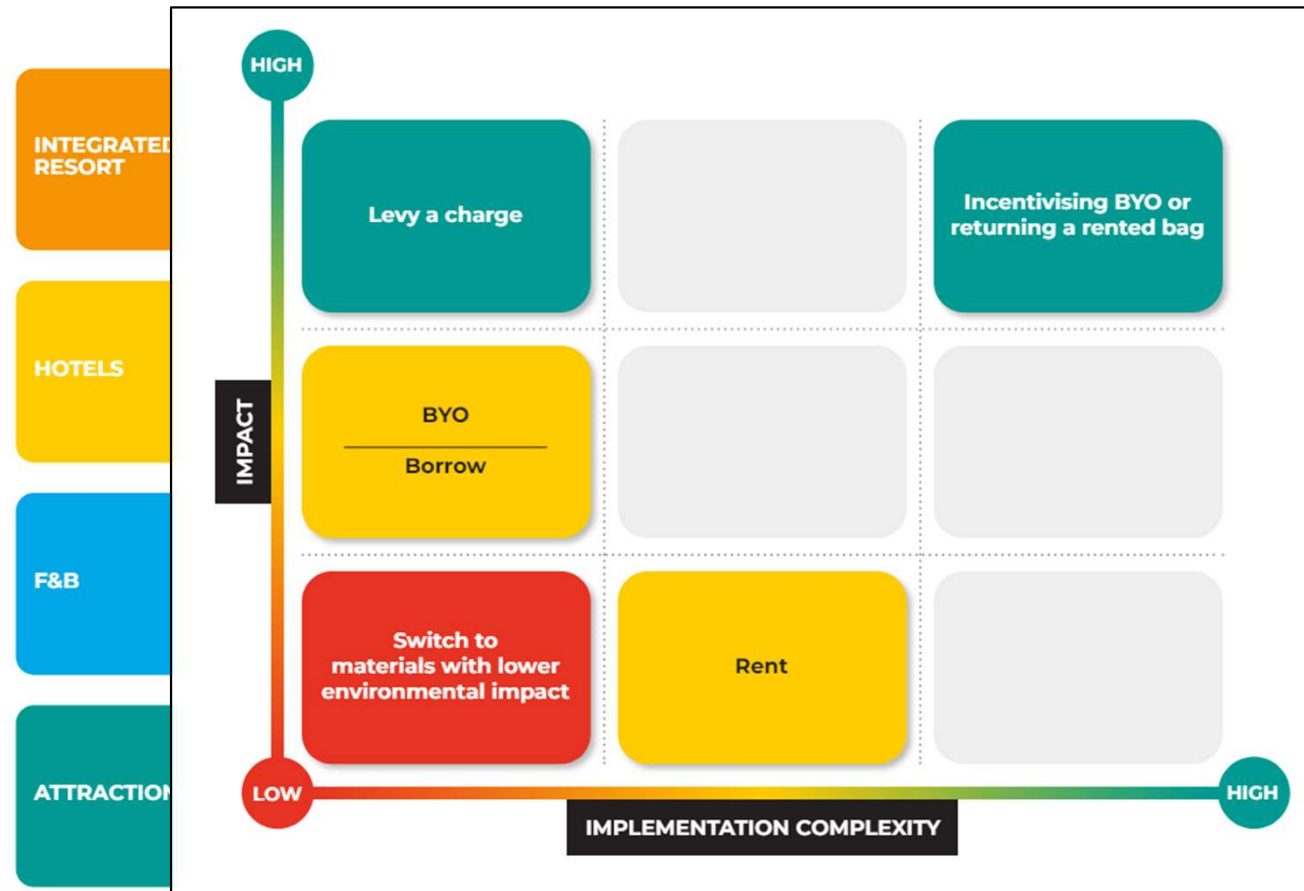
Sentosa Playbook for Reducing Disposables

- First precinct-level disposables guidebook in Singapore (May 2023)
- Provides guidance on best practices, how to monitor progress and innovate, and case studies
- 16 measures to reduce disposables, grouped into six categories from takeaway bags, food containers to amenity kits, across hotels, attractions, and F&B operators
- Aligned with SDC's commitment to stop giving out plastic bottled water by the end of 2023 for all hotels, food and beverage operators and attractions on Sentosa island (Sentosa Carbon Neutral Network (SCNN))
- https://plastic-action.asia/wp-content/uploads/2023/05/WWF_Sentosa_Disposables_Playbook_2023.pdf

Snapshots from the Sentosa Playbook



Opportunities to reduce the use of disposables





Snapshots from the Sentosa Playbook: Single-use Bottled Water



A WWF INITIATIVE FOR
A CIRCULAR ECONOMY AND
NO PLASTICS IN NATURE BY 2030

Singapore's Context

- On average, one to three bottles are used by each person weekly
- Tap water in Singapore is well within the WHO Guidelines for Drinking-Water Quality, hence bottled water is not necessary
- This should be the lowest hanging fruit!

Recommendations

- Water dispensers and refill points to reduce the need for disposable bottles (Adopted by Resorts World Sentosa and Capella Singapore)
- Avoid switching to paper products or multi-layered materials for water
- Examples provided: Singapore's centres, sport centres, bus interchange stations

Snapshots from the Sentosa Playbook: Amenity Kits

Singapore's Context

- Larger hotels have a low recycling rate of 8.6%
- Only 28% of all amenity items were used all the time by hotel guests



Recommendations

- Remove less-frequently used items and give on demand (Examples: Grand Hyatt Singapore, PARKROYAL Collection Hotels & Resorts)
- Liquid dispensers
- Soap tablet with reduced size
 - Regent Singapore halved their soap tablets
 - Recycling: Soap Cycling collects and redistributes discarded soap to migrant workers

Photo credit: © Sofitel Singapore Sentosa Resort & Spa



Materials for Stakeholders to Get Started

The Sentosa Playbook provided checklists for adoption of best practices in reducing disposables (left) and how they might monitor and track the weight of typical packaging used (below).

PACKAGING TYPE	RECYCLABLE (Y/N/MAYBE)	WEIGHT PER UNIT (G)	AMOUNT PROCURED PER MONTH	TOTAL WEIGHT PER MONTH (KG)	DO YOU HAVE CONTROL OVER ITS USAGE?
A1 sized plastic bag	Y	60g			
A2 sized plastic bag	Y	15g			
A5 sized plastic bag	Y	5g			
Large trash bag	N	55g			
Plastic wrapper over 12-pack 1.5L PET bottled drinks	Y	50g			
Plastic wrapper over 12-pack canned drinks	Only transparent ones are recyclable	13g			
Plastic wrapper over 24-pack canned drinks	Only transparent ones are recyclable	20g			
700ml PP cup (50 per roll)	Consumers need to empty and rinse the cup before recycling	445g per roll			
2L HDPE container	Must be cleaned	125g			



TYPE OF DISPOSABLES	RECOMMENDATIONS	TO WHAT EXTENT HAS THIS BEEN IMPLEMENTED?			
		0 "NOT YET STARTED"	1 "STARTED BUT <50% INTRODUCED"	2 "> 50% INTRODUCED"	3 "100% INTRODUCED"
Carrier Bags	Levy a charge for disposable bags*				
	BYO Bag, or provide option to borrow, or rent a bag*				
	Incentivise BYO or returning a rented bag				
	Switch to materials with lower environmental impact				
Takeaway Food Containers	BYO or provide option to rent reusable food & beverage containers*				
	Incentivise BYO or renting reusable food & beverage containers				
	Switch to materials with lower environmental impact				
Disposable Tableware for Dine-in	Switch to reusable crockery for dining in*				
	Outsource washing of tableware				
	Provide disposable tableware on demand*				
	Switch to compostable material				