



# Sustainability initiatives by Bottlers Association

18-19<sup>th</sup> Oct 2021

# OVERVIEW

- **Bottlers' Association - Collection of PET bottles**
- **Initiatives at Production Levels**





**Bottlers' Association - Collection  
of PET bottles**

# BA: Bottlers Association

- The BA regroups the main bottlers and distributors of soft drinks and water in Mauritius:
  - Phoenix Beverages Limited
  - Quality Beverages Limited
- There is an urge to include other stakeholders in the association

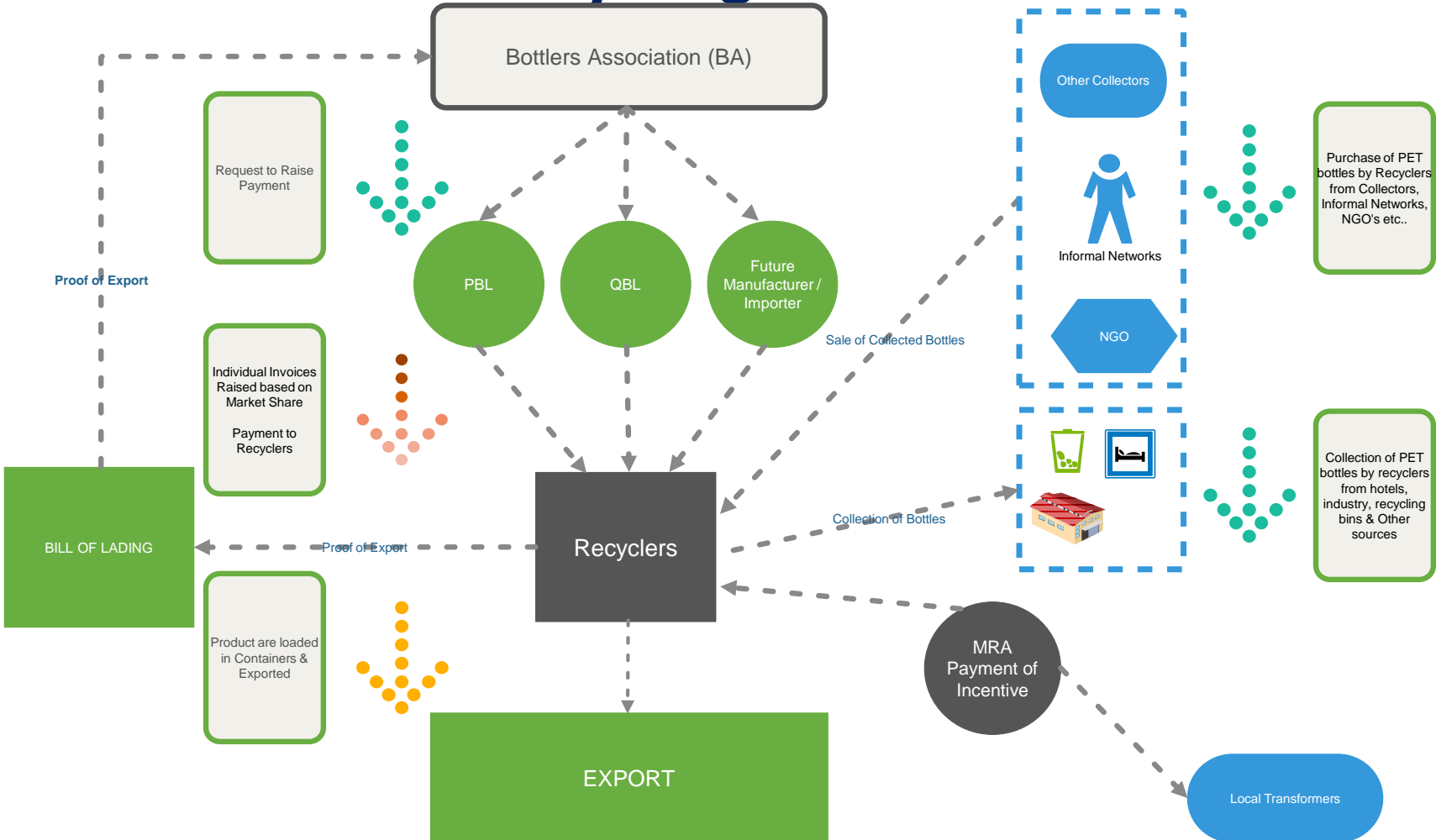
# BA: A brief background

- Since 2001, the Bottlers Association (BA) is a self-funding association which supports local PET recyclers
- The BA has led the way in PET waste management in Mauritius & Rodrigues by setting up an integrated network of PET waste bottles management involving an eco system of approx. 2,500 people
- The BA has spent almost MUR 200M over the past 20 years and is currently spending more than MUR 25M annually to support PET recycling activities.

# BA contribution to PET Recycling in Mauritius

- Till 2019, the BA has subsidised PET collection up to a rate of **Rs15/kg** of materials exported.
- Since 2019, the Government **has increased its contribution from Rs5/kg to Rs15/Kg** for PET waste exporters.
- Extended Producers Responsibility

# Current Recycling Mechanism



# PET Collection Points 2021

	No of Bins
Mission Verte	27
New Invaders Club	2
WeRecycle	8
Precious Plastics	1
Winners	23
District Council Bambous	12
District Council Grand Port	35
District Council Savanne	39
District Council Pamplemousses	108
PolyPET	40
Reso Green	37

All wastes from these bins are ultimately exported PolyPET & Reso Green

**TOTAL PET COLLECTION POINTS ON THE ISLAND = 332**



# Examples of bins deployment & other actions

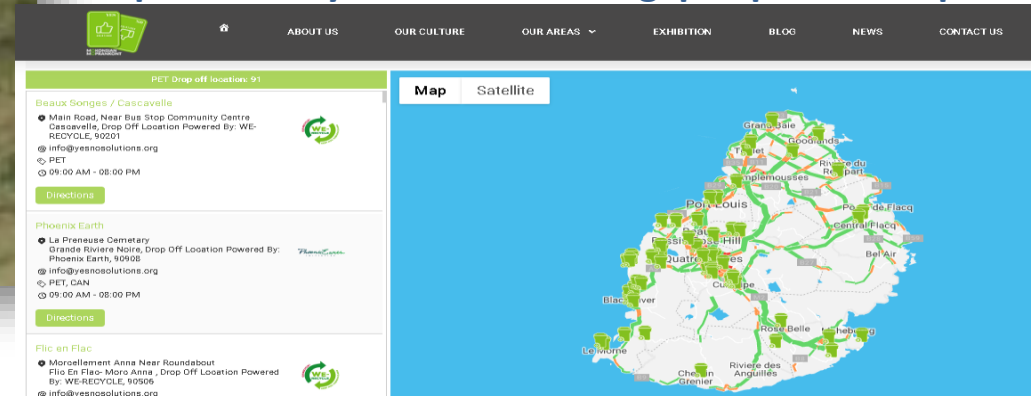
## Partnership with Beach Authority



Partnership with NGOs / MOE  
4 schools in Vacoas Phoenix region

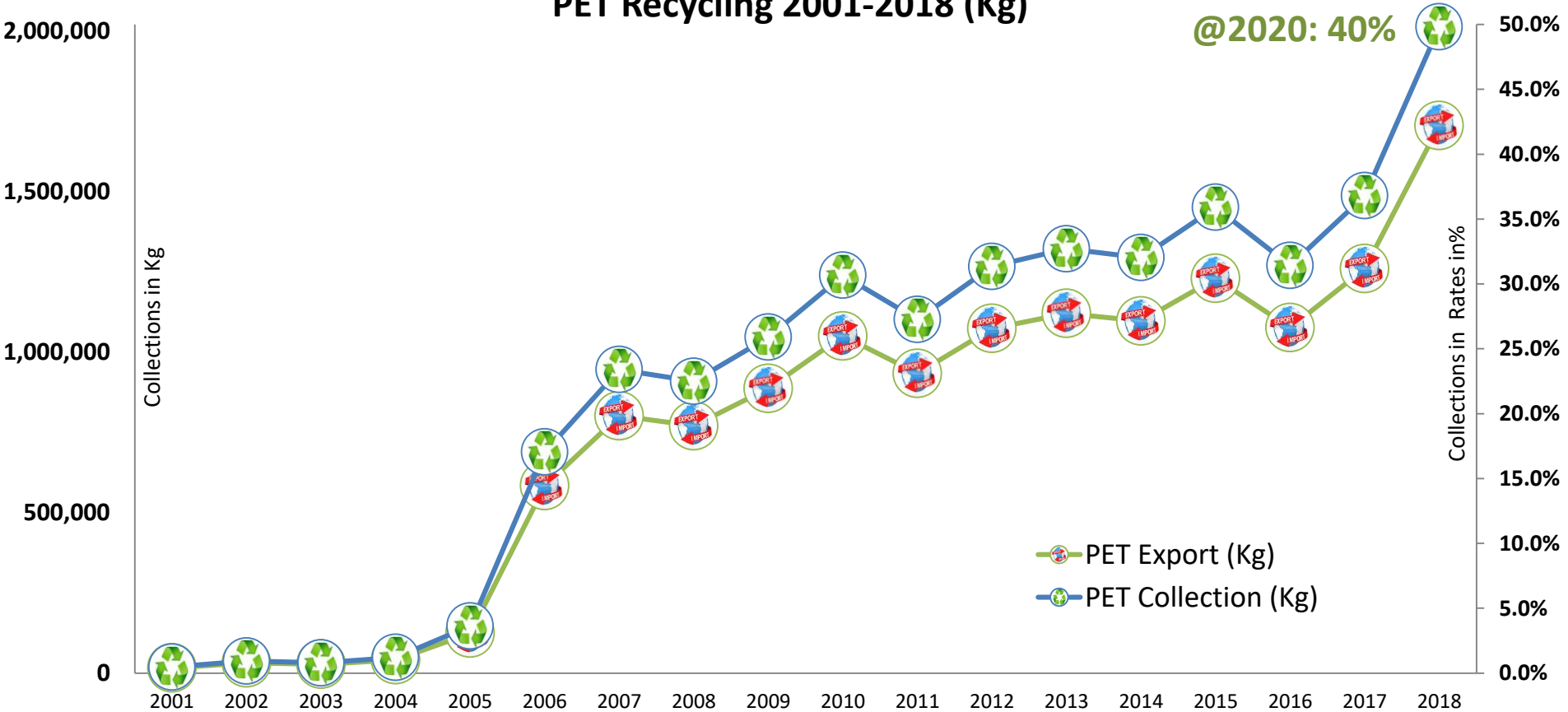


Collaboration with Yes No Solution platform to support education/information and localization  
<https://www.yesnosolutions.org/pet-plastic-drop-off/>

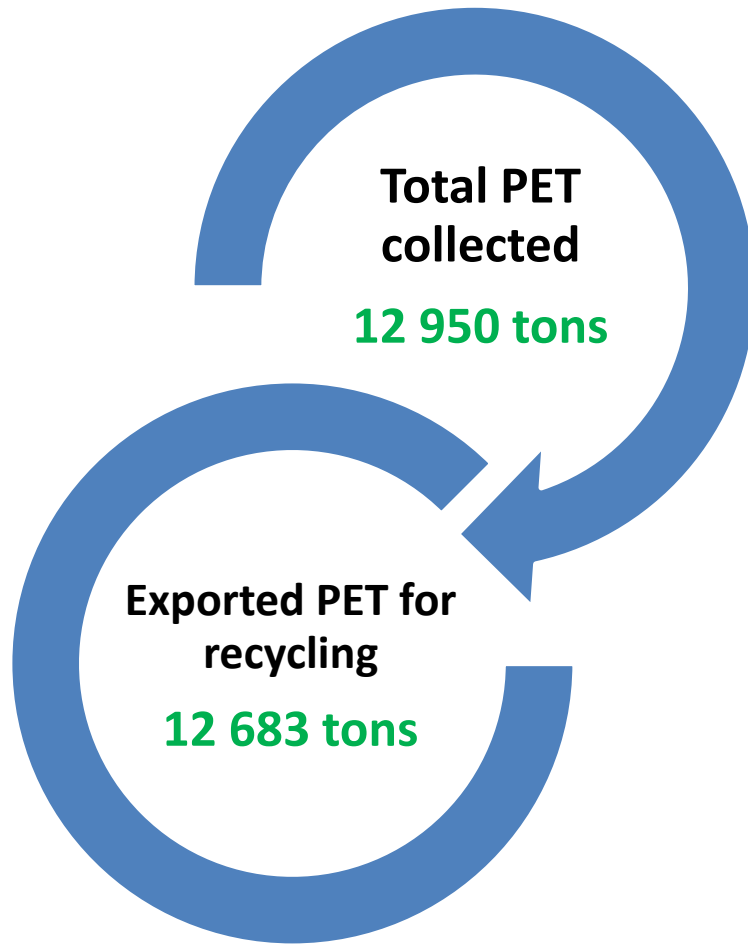


# BA - PET Bottles Collected over the Island (kg)

## PET Recycling 2001-2018 (Kg)



# BA - PET Bottles Recycled at Collectors Level 2008-2020



# Initiatives at Production level



# Past & Future Actions on PET Preforms

## 1. Light weighing (virgin material reduction)

- **2016:** Introduction of new eco-designed water bottle **light-weighted on average by 18%**
- **2019 – 2020:** **232 tons** reduction in PET raw materials by light weighing preforms used for different PET bottles in production

Year	Plastic generated if previous preforms were used (Tons)	Plastic generated with light weighted preforms (Tons)	Plastic raw material reduced (Tons)
<b>2019</b>	2202	2077	<b>125</b>
<b>2020</b>	1957	1850	<b>107</b>

## 2. Coloured to clear PET (increased recyclability)

- **Q2 2022:** Transition of coloured PET preforms to clear preforms – increase in recyclability of PET

# Participation in local rPET standard development

- Participation in MSB Technical Committee
- MSB rPET standards [MS 250:2021, MS 251:2021] approved in Mauritius early 2021
- No constraints with the potential use of rPET in Mauritius

## Challenges:

- Difficulty in sourcing rPET on international market for the Bottle to Bottle model
- Mauritius PET collection volume is a challenge to sustain a B2B manufacturing facility on the island

# Bottle to Bottle B2B Project

- Possible solution: Regional studies and business feasibility could be investigated between the Indian Ocean islands

## Opportunities:

- With an increase in PET collection rate min 80%, a B2B manufacturing facility may be sustainable
- Technological development in PET recycling

**THANK YOU**