Sustainability initiatives by Bottlers Association
18-19th 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

- Bottlers Association (BA)
  - Request to Raise Payment
  - Individual Invoices Raised based on Market Share
  - Payment to Recyclers

- PBL
- QBL
- Future Manufacturer / Importer

- Recyclers
- Export

- Proof of Export

- Product are loaded in Containers & Exported

- Sale of Collected Bottles

- NGO: Purchase of PET bottles by Recyclers from Collectors, Informal Networks, NGO's etc..

- Other Collectors: Informal Networks

- Local Transformers: Collection of PET bottles by recyclers from hotels, industry, recycling bins & Other sources

- Bill of Lading: Proof of Export

Note: The diagram illustrates the current recycling mechanism involving various stakeholders such as Recyclers, Bottlers Association, Future Manufacturer / Importer, NGO, and other collectors. It highlights the flow of products, payment, and other necessary documentation such as invoices and bills of lading.
# PET Collection Points 2021

<table>
<thead>
<tr>
<th>Mission Verte</th>
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<tbody>
<tr>
<td>New Invaders Club</td>
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<td>WeRecycle</td>
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<td>Precious Plastics</td>
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<td>Winners</td>
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<td>District Council Bambous</td>
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<td>District Council Savanne</td>
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<td>District Council Pamplemousses</td>
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<tr>
<td>PolyPET</td>
<td>40</td>
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<tr>
<td>Reso Green</td>
<td>37</td>
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**TOTAL PET COLLECTION POINTS ON THE ISLAND = 332**

All wastes from these bins are ultimately exported PolyPET & Reso Green
Examples of bins deployment & other actions

**Partnership with Beach Authority**

Collaboration with Yes No Solution platform to support education/information and localization

https://www.yesnosolutions.org/pet-plastic-drop-off/

**Partnership with NGOs / MOE**

4 schools in Vacoas Phoenix region
BA - PET Bottles Collected over the Island (kg)

PET Recycling 2001-2018 (Kg)

@2020: 40%

PET Export (Kg)
PET Collection (Kg)
BA - PET Bottles Recycled at Collectors Level 2008-2020

Total PET collected
12 950 tons

Exported PET for recycling
12 683 tons
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

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