EMRC Waste Audit

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Southern Metropolitan Regional Council
Objectives

• Understand and gain knowledge of waste generation

• Identify the Composition in households general waste bins

• Ascertain the Contamination Levels in Waste Stream
Methodology

6 Councils, Bassendean, Bayswater, Belmont, Kalamunda, Mundaring and Swan,

Sample areas of Social Economic Average

600 Household Bins,
100 Bins from each council

Per Property Method / “Bag and Tag”
Key Deliverables

1. Waste Generation Composition
2. Food Organics Garden Organics (FOGO)
3. Container Deposit Scheme (CDS) Counts
KPI #1 Waste Generation Composition

- Waste Generation - per household / per week
  - Average 14.6kg
  - Range 10.7kg in Bayswater to 18.3kg in Swan
KPI #2 Food Organics Green Organics

- Total Organics 55.1% All Councils
- Total FOGO 43.5% of Material Audited

<table>
<thead>
<tr>
<th>All Councils Organic Component</th>
<th>All Councils FOGO Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green Waste, 44.9%</td>
<td>Green Waste, 56.8%</td>
</tr>
<tr>
<td>Food Waste, 32.4%</td>
<td>Food Waste, 41.0%</td>
</tr>
<tr>
<td>Wood, 1.6%</td>
<td>Other Putrescible, 2.2%</td>
</tr>
<tr>
<td>Packaged Food Waste, 19.4%</td>
<td>Other Putrescible, 1.7%</td>
</tr>
</tbody>
</table>

We Deliver Innovative and Sustainable Waste Management Solutions
KPI #3 Recyclables in the General Waste

- 27% Total Recyclables
  - Range 22.6% Bassendean and 33.3% Bayswater
Theoretical Recovery Rate

- Possible maximum recovery rate 70.6%
  - All Councils 43.5% FOGO and 27% Recycling
We Deliver Innovative and Sustainable Waste Management Solutions

Container Deposit Scheme Counts

- Total 3,113 Containers Counted
  - Average 5.2 containers per household
  - Average per household per year 270

Container Deposit Scheme Average - All Councils

<table>
<thead>
<tr>
<th>Council</th>
<th>CDS Counts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basendean</td>
<td>5</td>
</tr>
<tr>
<td>Bayswater</td>
<td>4.6</td>
</tr>
<tr>
<td>Belmont</td>
<td>5.7</td>
</tr>
<tr>
<td>Kalamunda</td>
<td>6.8</td>
</tr>
<tr>
<td>Mundaring</td>
<td>4.5</td>
</tr>
<tr>
<td>Swan</td>
<td>4.6</td>
</tr>
<tr>
<td>All Councils</td>
<td>5.2</td>
</tr>
</tbody>
</table>
All EMRC Councils Summary...

- Waste Generation - per household / per week
  - Average 14.6kg per bin across all councils
  - Range 10.7kg in Bayswater lowest to 18.3kg in Swan with the highest

- Total Organics - 55.1% from All Councils
  - 43.5% Total FOGO
  - Food Waste 41%, Green Waste 56.8%, Other Putrescible 2.2%
Summary Continued

• Recycling - Range between 22.6% and 33.3%
  – Total 27% Recyclables from all Councils

• Eligible CDS - Range 4.5 in Mundaring to 6.8 Kalamunda per household
  – Average 5.2 Eligible CDS per household,
  – 270 Eligible CDS per household, per year on average from all councils