Capacity Development to Support the 3Rs through Partnership with Stakeholders

Discussant:

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Discussion Points

- Issues and Concerns by the Recycling Sector
- Approaches in Developing the Recycling Sector
- The Recycling Information System
- Actions to be taken by each Stakeholder
- The Necessity of Policies & Guidelines
- The Institutional Set-up Developed for Partnership
Issues and Concerns by the Recycling Sector
Issues & Concerns by the Recycling Sector

- Difficulty in trading recyclables with composite components
- Recyclables would become unusable due to difficulty or disregard of removing unwanted parts or embedded foreign materials
- Illegal or underground junk dealers are competitors of legitimate dealers
- Collectors demand for the standardization of prices for recyclable materials as a safety net against the fluctuating rates
- There is the need to rehabilitate or replace existing outdated equipment in order to attain increased production efficiency
- There is the prevailing higher cost of power and fuel in paper production in the country compared to other ASEAN countries
- Strict enforcement of environmental laws will cause incremental cost of water use and wastewater treatment
- Severe competition with imported materials will be experienced with the reduction/elimination of import duties
- There is a strong dependence on foreign sources of plastic resins and product
Approaches in Developing the Recycling Sector
Development of the Recycling Industry

Approaches:

• Development and promotion of domestic industries to maximize the use of recyclables for resource and energy saving (by business, local governments & NGOs)

• Promotion of environmentally sound and sustainable utilization of recyclables (3R-related S&T)

• Reorganization and formalization of informal sector involved in recycling as the key players of promoting recycling industry (thru capacity development)
The Recycling Information System
Objectives:

- To indicate the potential market of recycling through the provision of reliable and detailed information on generation and utilization of recyclable materials;

- To contribute to the formulation of national and local recycling plan by providing proper information and data on the current flow of recyclable materials; and

- To provide reliable information on currently available recycling industry whereby optimizing recyclable resource utilization mechanism based on the partnership among relevant stakeholders.
Actions to be taken by each Stakeholder
Stakeholders

- National government
- Local governments
- Business & industry
- General public
Government Level

- Reinforce the Existing Institutional Setup
- Provision of Incentives and Subsidies
- Enhance Promotion of Recycling Efforts (Education, awareness etc.)
- Mandatory registration and provision of information
- Capacity Building
- Proper Information/Data Management

Recycling Player Level

- Regular and close Communication between with the Government
- Partnership with the government on recycling programs and operation of transfer stations
- Sharing of recycling information and experiences
- Operation in accordance of Recycling Guidelines

Waste Generator Level

- Segregation of wastes at source
- Proper handling of wastes at source to improve quality
- Enhance recycling participation with collaboration with NGOs and RAs.
- Provision of recycling information
- Education of new generation

Institutional Setup Strengthened
Recycling System Improved
Awareness Increased
3R Performance Increased
The Necessity of Policies & Guidelines
The Necessity of Policies & Guidelines

I. The National Government Framework on 3Rs

II. The Local Government Recycling Plan

III. The Sector-Specific Recycling Guidelines
Avoid
Reduce
Reuse
Recycle
Recover
Treatment
Residuals Management

Most preferred options
Least preferred options

Municipalities/Cities
Barangays
Province/Metrowide or First Class Cities
Household, Institutional, & Commercial Generators

The National Government Framework
<table>
<thead>
<tr>
<th>Stages of Recycling</th>
<th>Types of Assistance Required</th>
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<tbody>
<tr>
<td>Segregation at Sources</td>
<td>Information, Education &amp; Communication</td>
</tr>
<tr>
<td></td>
<td>• PR and IEC materials (posters, pamphlets, guidebooks)</td>
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<tr>
<td></td>
<td>• Trainers for segregation of recyclables</td>
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<tr>
<td></td>
<td>Equipment</td>
</tr>
<tr>
<td></td>
<td>• Segregation bins, containers</td>
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<tr>
<td>Collection and hauling</td>
<td>Facility &amp; Equipment</td>
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<tr>
<td></td>
<td>• Collection vehicles (trucks, push carts)</td>
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<td></td>
<td>• Storage for recyclables</td>
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<tr>
<td></td>
<td>• Primary processing machinery and equipment (sorting, shredding, washing, baling)</td>
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<tr>
<td></td>
<td>Procurement of recycling players</td>
</tr>
<tr>
<td></td>
<td>• Primary collectors (Eco-aides)</td>
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<td></td>
<td>• Junkshops, dealers, consolidators</td>
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<tr>
<td>Recycling</td>
<td>Facility and Equipment</td>
</tr>
<tr>
<td></td>
<td>• Recycling facility and machinery/equipment</td>
</tr>
<tr>
<td></td>
<td>Final users</td>
</tr>
<tr>
<td></td>
<td>• Recyclers, exporters</td>
</tr>
</tbody>
</table>
Formulation of Recycling Guidelines

- provide guidance to waste generators in their recycling activities especially in the pre-treatment and pre-handling stage of the recyclables

- increase the efficiency of recycling performance of other players such as the collectors, dealers and end-users of recyclable materials

- improved efficiency of recovery and recycling would a vital role in further development of the country’s recycling industry
# Sector-Specific Recycling Guidelines

## For Waste Generators
- Handling of recyclables
  - includes proper way of waste sorting to maintain the good quality of recyclables and to increase efficiency of transportation
  - handling method is specified for each type of recyclable materials in accordance with their unique characteristics
  - needs proper consideration on the existing recycling system in the relevant localities.

## For Dealers
- acceptance criteria for recyclables
- storage standard
- guidelines for data management by dealers
- guidelines for primary processing of collected recyclables

## For Recyclers
- material specific guidelines
- facility & facility operation standard
- data management of recyclable materials utilized by recyclers
The Institutional Set-Up Developed for Partnership
Institutional Set-Up

National Government

Local Government

Local Government

Local Government

Local Government

Residents Associations

Associations

NGOs

Provision of Information

Registration and Provision of Information

Provision of Information

Recycling Players
(Industries, traders, middlemen, primary collectors etc.)

Waste Generators
(Households, business entities, institutions etc.)
Thank You