**Fundamental Plan for Establishing a Sound Material-Cycle Society (Outline)**

**Image of a Sound Material-Cycle Society**

Manufacturing: DfE (Design for Environment), long-life products, lease & rental
Waste management: cyclical use, appropriate disposal system

**Quantitative Targets: FY2000-2010**

1. **Targets for Indicators Based on Material Flow Accounts**
   a) Resource Productivity
   b) Cyclical Use Rate
   c) Final Disposal Amount

2. **Targets for Indices Related to Efforts**
   - Reducing the quantity of municipal solid waste
     *20% reduction of garbage discharged from households per person per day compared with FY2000*
   - Promoting sound material-cycle related businesses
     *Doubling the size of the related market and the number of related jobs compared with FY 1997*

**Efforts Required of Entities**

- National Government
  *Fostering partnerships among stakeholders*
- Citizens
  *Changing their lifestyle*
- NPOs and NGOs
  *Promotion of their activities*
- Business Organizations
  *Promoting the “3Rs” based on EPR (Extended Producer Responsibility)*
- Local Governments
  *Enforcing laws and regulations; acting as coordinators*
The material flow accounts in FY2000 roughly shows:

A) The total material input is about 2.1 billion tons.

B) Of the total material input, the amount of cyclical use (reusing+recycling) is 218 million tons.

C) The amount of final disposal (landfill) is 56 million tons.
**Resource Productivity**

\[
\text{GDP} = \frac{\text{Input of natural resources and the like}}{\text{(Direct Material Input)}}
\]

390 thousand yen per ton
(40% improvement from FY2000)

**Cyclical use rate**

\[
\text{Amount of cyclical use (reusing + recycling)} = \frac{\text{Amount of cyclical use} + \text{Input of natural resources and the like (Total material input)}}{\text{(Direct Material Input)}}
\]

14%
(40% improvement from FY2000)

**Final disposal amount**

= Final disposal amount of waste (landfill)

28 million tons
(50% reduction from FY2000)
(US $1,000/ton, based on purchasing power parity in 1995, estimated by the Ministry of the Environment using data from the OECD, World Resources Institute (United States), etc.)