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# Outcome of 3Rs Ministerial

## Participants Agreed to:

- Promote 3R Programs that Help Accelerate Sustainable Production Patterns;
- Open Markets for Remanufactured and Recycled Products and Clean Energy Technologies;
- Strengthen International Cooperation.



# U.S. Successes in Promoting the 3Rs Initiative

- WTO Non-Tariff Barrier Initiative to Eliminate Barriers to Trade in Remanufactured and Refurbished Products;
- Additional Local, State and Federal Recycling Programs;
- Advance Recycling Technologies and Development of Renewable and Clean Energy Technologies;
- Continued Collaboration with Domestic Industry, NGOs and Other International Organizations.
- Policy makers coordinate activities to ensure that environmental policies strengthen the economy and that economic policies support environmental protection efforts.



# U.S. Industry Promotion of the 3Rs Initiative

## U.S. Industry Takes a Lead Role in Promoting the 3Rs Initiative by:

- Outreach to Global Industry Counterparts and Foreign Governments;
- Implement Buy-Back Measures Whereby Accept Non-New Products for Remanufacturing or Refurbishing and Re-Sale;
- Work with U.S. Government to Address Barriers to Trade in Remanufactured and Refurbished Goods through WTO Non-Agricultural Market Access Negotiations.



# U.S. Dedicating Resources to 3Rs Initiative

- Action Plan for Increased Municipal Solid Waste Recycling;
- National Green Purchasing Tool for Electronic Products;
- Building National Infrastructure for Electronics Reuse and Recycling Through a Voluntary Partnership with Industry.
- Special Treatment Afforded to Recovered and Remanufactured Goods in Trade Agreements;
- Legislation and Executive Orders Mandating Federal Government Purchasing of Environmentally Smart Products;



# U.S. Goals for 3Rs Senior Officials Meeting

1. Promote Liberalized Trade in Remanufactured and Recycled Products;
2. Determine Ways for Global Industry to Understand the Economic and Environmental Benefits Associated with Sustainability;
3. Encourage Advanced Technology and Free Trade in Clean Energy Products.



# Recycling Quick Facts

## Recycling and Reuse Industries in the United States :

- Long-established sectors like paper and steel making,
- Companies that refurbish electronic appliances, computer equipment and furnishings.
- More than 56,000 public and private sector facilities
- 1.1 million jobs



# Recycling Quick Facts

Largest sectors of the U.S. recycling industry?

- Recycled paper and paperboard mills: 139,375 employees and \$49 billion in annual receipts,
- Steel mills: 118,544 employees and \$46 billion in annual receipts,
- Recycled plastics converters: 178,700 employees and \$28 billion in annual receipts,
- Iron and steel foundries, with 126,313 employees and \$16 billion in annual receipts,





# Remanufacturing Quick Facts

- More than 70,000 U.S. Remanufacturing Firms Are in Operation;
- U.S. Remanufacturing Operations Directly Employ an Estimated 500,000 Individuals;
- U.S. Remanufacturing Operations Contribute more than \$50 billion to the U.S. Economy;
- There are over \$100 billion in Global Sales Annually by International Remanufacturing Firms with Production Facilities in Europe, Latin America, Asia, North America and Africa;
- A typical remanufacturer uses 85 to 95 percent less energy and materials per product than a new equipment manufacturer.
- Remanufacturing Occurs in Various Industries Including:
  - Autos and Auto Parts, Medical Equipment, Consumer Appliances, IT Products and Machinery.