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ELECTRONICS RECYCLING

International Association of Electronics Recyclers



AGENDA

- **INDUSTRY PERSPECTIVE**
- **IAER OVERVIEW**
- **MAJOR ACTIVITIES & PROGRAMS**
- **NEEDS & CHALLENGES**
- **NEMI OPPORTUNITIES**

KEY DRIVERS

- **Increasing volumes**
 - **Expanding pervasiveness of electronics**
 - **Shorter lifespan of electronics technologies**
 - **Large inventory of obsolete electronics**
- **Concerns**
 - **Landfill**
 - **Hazardous materials**
- **Challenges**
 - **Logistics**
 - **Costs**

DATA PERSPECTIVES - USA

CURRENT STATUS

- **Total Volume Recycled: >300M lbs/Yr**
- **Sources: >75% OEMs and large users**
- **Electronics recycling organizations: ~ 500**
- **Recycled raw material output: >100M lbs/Yr**

FORECAST - 2005

- **Obsolete PCs+CRTs (monitors + TVs) > 100M/Yr**
- **+ Other commercial electronics (telecom, medical, mil)**
- **+ Other consumer electronics (audio, auto, PDA, games)**



IAER OVERVIEW

- **Trade Association for electronics recycling industry**
- **Represent & serve interests of industry**
- **Assist in development of efficient infrastructure**
- **Promote high standards of business practices**



IAER MISSION

- **Identify solutions to business & technical needs**
- **Establish industry standards for business practices**
- **Provide access to industry data & information**
- **Maintain awareness of legislation that affects industry**
- **Influence public knowledge & policy related to industry**
- **Network with industry leaders**
- **Facilitate opportunities for business development**

IAER MEMBERSHIP

- **Companies involved in electronics recycling**
 - Electronics Recyclers (from all market segments)
 - Original Equipment Manufacturers
- **Organizations with involvement or interest**
 - Professional & Trade Associations
 - Government & Non-Government Organizations
 - Universities & Research Institutes
- **Other Organizations**
 - Suppliers & Service Providers

INDUSTRY SEGMENTS

- **Asset Management**
 - e.g. disposition planning, resale
- **Re-Use: for resale at product level**
 - Resale/As-Is
 - Repair/Refurbish
 - Upgrade/enhance
- **De-Manufacturing/disassembly**
 - Recovery and Re-use/sale of parts & subassemblies
- **Materials Recovery & Recycling**
 - e.g. - plastics, metals, glass
- **Material Processing/Refining** (e.g., glass, metal, plastics)

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Major Activities & Programs

- IAER **CERTIFICATION** PROGRAM
 - 3rd party audit to industry standard criteria
- INTERNET TOOLS & SERVICES
 - web sites, newsletter, **directories**, marketplace
- INDUSTRY EVENTS & PROGRAMS
 - **conferences**, workshops, education programs
- OUTREACH
 - information exchange, joint projects & programs
- INDUSTRY STRATEGY
 - information, needs, priorities, **roadmap**

NEEDS & CHALLENGES

- **Prioritization and cooperation of projects & programs**
 - e.g., funding from government agencies (with industry input)
- **Joint projects on common needs**
 - e.g., education programs, industry data, IT solutions
- **Co-location & co-sponsorship of events**
 - conferences, workshops, committee meetings
- **Public Policy**
 - Factual information about the industry and issues
 - Public & private sector cooperation on solutions
 - Residential collection programs
 - Facilitation of an efficient and effective infrastructure

NEMI OPPORTUNITIES

- **Design for Recycling**
- **Take-Back Strategy**
- **Industry Roadmap**
 - **common areas with IAER**

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IAER



<http://www.iaer.org>