Overview of State & Federal Legislation

Aida Sefic Williams, Process Engineer
Illinois Sustainable Technology Center
Agenda

- Existing Federal Laws
  - CRT Rule

- Proposed Federal Legislation
  - Research and Development Act - HR 1580/S 1397
  - Promoting Responsible Recycling – H. Res. 938
  - E-Waste Export Ban – HR 6252

- State Laws
  - Current
  - Proposed
Existing Laws - CRT Rule

- **Goal**: Reduce the amount of lead in landfills and increase recycling of CRT glass
- **Passed**: July 28, 2006
- **Applies to**: Collectors and recyclers
- CRTs not considered hazardous if:
  - Containers contents are clearly labeled
  - Transported safely to minimize releases
  - Stored in buildings or containers to minimize releases
  - Stored less than a year prior to recycling
Existing Laws - CRT Rule

- **Special Cases:**
  - CRTs undergoing glass processing must be processed in a building with temperatures that will not volatilize lead.
  - Processed CRTs sent to a glass manufacturer or smelter are unregulated, unless they are stored for more than a year or are discarded through disposal.

- **CRT Exports:**
  - EPA must be notified 60 days before the shipment.
  - Can include broken and unbroken CRTs.
  - Must receive written consent from the receiving country.
  - Exporters shipping CRTs for reuse must submit a one-time notification to the EPA.
Pending Legislation – S1397

- **Electronic Waste Research and Development Act**
- Introduced: July 6, 2009
  - Sen. Amy Klobuchar (MN)
- **Goal**: Administrator of the EPA could award grants for electronic device recycling research, development, and demonstration projects, etc.
- Supported research
  - Providing data on current practices and environmental impacts
  - Increasing efficiency of the current industry (design, manufacturing, waste collection, refurbishment, etc.)
  - Developing environmentally preferable alternatives
  - Consumer behavior and education
Pending Legislation – S1397

- **Available to:** Consortia of engineers, scientists, and others

- **Funding:**
  - $18M for FY 2011
  - $20M for FY 2012
  - $22M for FY 2013
  - For-profit contribution: 10%

- **Status**
  - Passed unanimously in the house on Mar. 18, 2009
  - Introduced in the Senate on Jul. 6, 2009
Proposed Legislation – H. Res 938

- Introduced: Nov. 19, 2009
  - Rep. Michael Thompson (CA)
- **Goal:** Legislative branches should work together in developing a process for managing computer waste
  - Encourage reuse and recycling
  - Lead by example
- **Status:** Referred to Committee on House Administration on Nov. 19, 2009
Proposed Legislation – HR 6252

- **Responsible Electronics Recycling Act of 2010**
  - *Introduced:* Sep. 29, 2010
  - *Rep.* Raymond Green (TX) and Rep. Mike Thompson (CA)
  - **Corporate support:** Apple, Dell, and Samsung
  - **Goal:** Prevent the export of *restricted electronic waste* from the US to developing nations

- **Exemptions:**
  - Non-hazardous or tested electronic products (refurbished products)
  - Products under warranty sent to manufacturing facility
  - Recalled parts
  - Crushed CRT glass cullet that will be used in CRT glass manufacturing
Proposed Legislation – HR 6252

- **Export Conditions**
  - Must receive written consent from competent authority of the receiving country
  - Sent by OEM or OEM contractors
  - For refurbishers
    - Keep track of business records and shipments for 6 years
    - Submit annual report with type, amount of e-waste, receiving country of export, transit countries, etc.

- **Violations**
  - Criminal violation

- **Status**: Referred to House Energy and Commerce Committee
State Laws
Existing State Legislation

- E-Waste Recycling and Disposal Bans (13)
  - California – Advanced Recycling Fee
  - Connecticut
  - Illinois – Includes Refurb.
  - Indiana
  - Maine
  - Minnesota
  - New Jersey
  - New York City
  - New York State
  - North Carolina
  - Oregon
  - Rhode Island
  - South Carolina
E-Waste Recycling and Disposal Bans

- E-Waste Recycling Only (11)
  - Hawaii
  - Maryland
  - Michigan
  - Missouri
  - Oklahoma
  - Texas
  - Vermont
  - Virginia
  - Washington
  - West Virginia
  - Wisconsin

- Disposal Ban Only (3)
  - Arkansas
  - Montana
  - New Hampshire
Proposed E-Waste and Disposal Bans

- Arizona
  - E-Waste Law and Disposal Ban
- Kentucky
  - E-Waste Law
- Massachusetts
  - E-Waste Law and Disposal Ban
- Nebraska
  - E-Waste Law
- Ohio
  - E-Waste Law
- Pennsylvania
  - E-Waste Recycling and Disposal Ban
- Utah
  - E-Waste Recycling
Task Forces / No Laws

- Task Force (4)
  - Colorado
  - Georgia
  - Nevada
  - New Mexico

- No E-Waste Legislation (12)
  - Alabama
  - Alaska
  - Florida
  - Iowa
  - Idaho
  - Kansas
  - Louisiana
  - Mississippi
  - North Dakota
  - South Dakota
  - Tennessee
  - Wyoming
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<tr>
<th>State</th>
<th>Waste Law</th>
<th>Bill Number</th>
<th>Passed On</th>
<th>Takes Effect</th>
<th>TV</th>
<th>CRT</th>
<th>Desktops</th>
<th>Laptops</th>
<th>Monitors</th>
<th>Peripherals</th>
<th>Printers</th>
<th>Fax Machines</th>
<th>Cell Phone</th>
<th>PDAs</th>
<th>MP3s</th>
<th>Video Game Consoles</th>
<th>VCR/CD/DVD Players</th>
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<td>Arizona (AZ)</td>
<td>Ewaste</td>
<td>HB 2614, Article 11 PROPOSED</td>
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<td>Jan. 1, 2011</td>
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<td>California (CA)</td>
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<td>SB 50 and Code of Regulations Title 22, Division 4.5 and AB 2901</td>
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http://www.sustainelectronics.illinois.edu/policy/state.cfm
Contact Information

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- Sustainable Electronics Initiative
  www.sustainelectronics.illinois.edu

- Electronics and Sustainability Symposium
  March 23-24, 2011
  Champaign, Illinois
http://www.epa.gov/waste/hazard/recycling/electron/crt-fs06.pdf
http://www.epa.gov/waste/hazard/recycling/electron/index.htm#crtss
http://www.sustainelectronics.illinois.edu/policy/federal.cfm
http://www.govtrack.us/congress/bill.xpd?bill=h111-6252
http://www.govtrack.us/congress/bill.xpd?bill=hr111-938
http://www.govtrack.us/congress/bill.xpd?bill=s111-1397
http://www.sustainelectronics.illinois.edu/policy/state.cfm