



Electronics Recycling Coordination Clearinghouse Harmonization Workshop at E-Scrap 2011

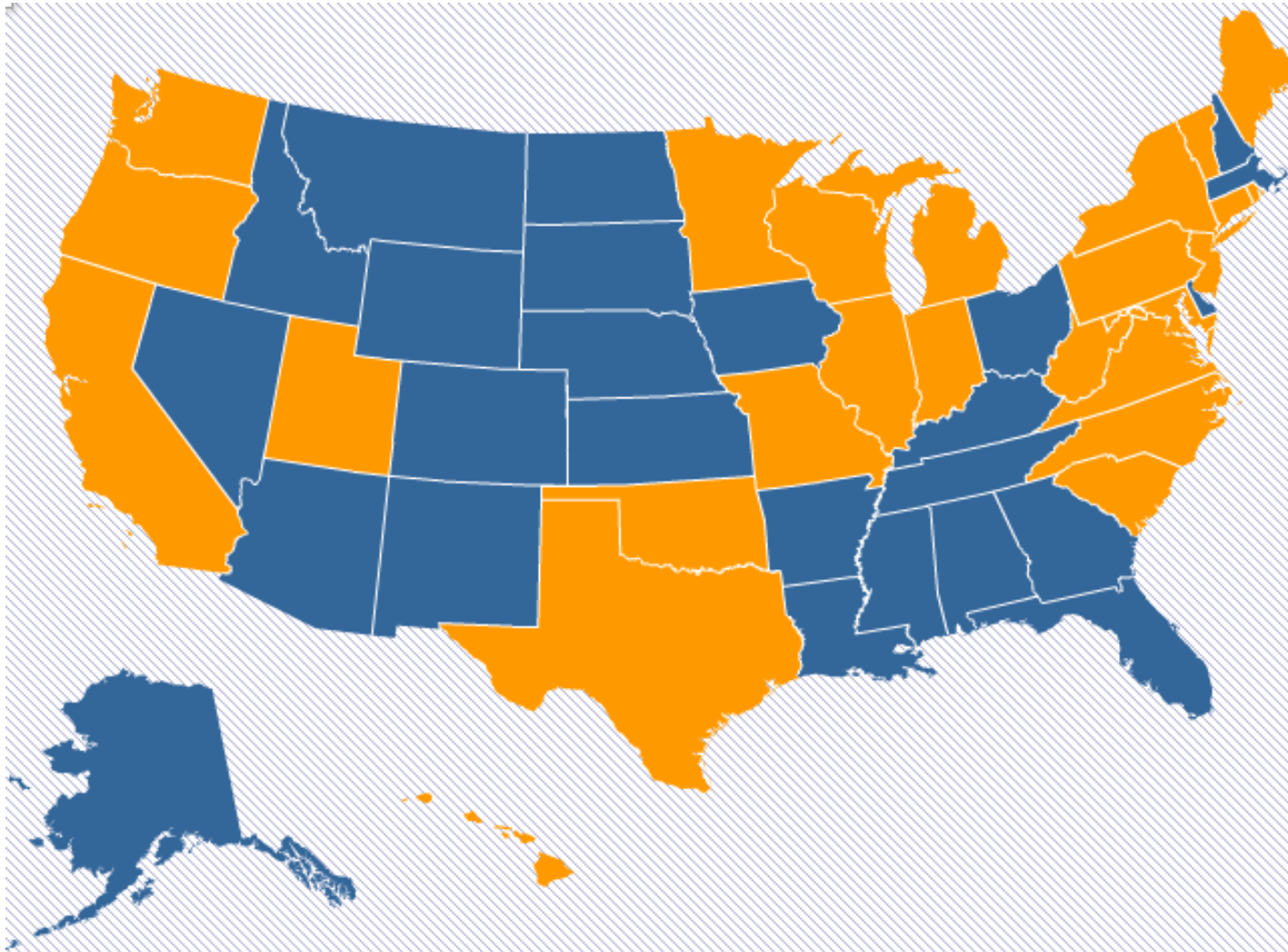
A project of the National Center for
Electronics Recycling (NCER) and the
Northeast Recycling Council (NERC)

Overview



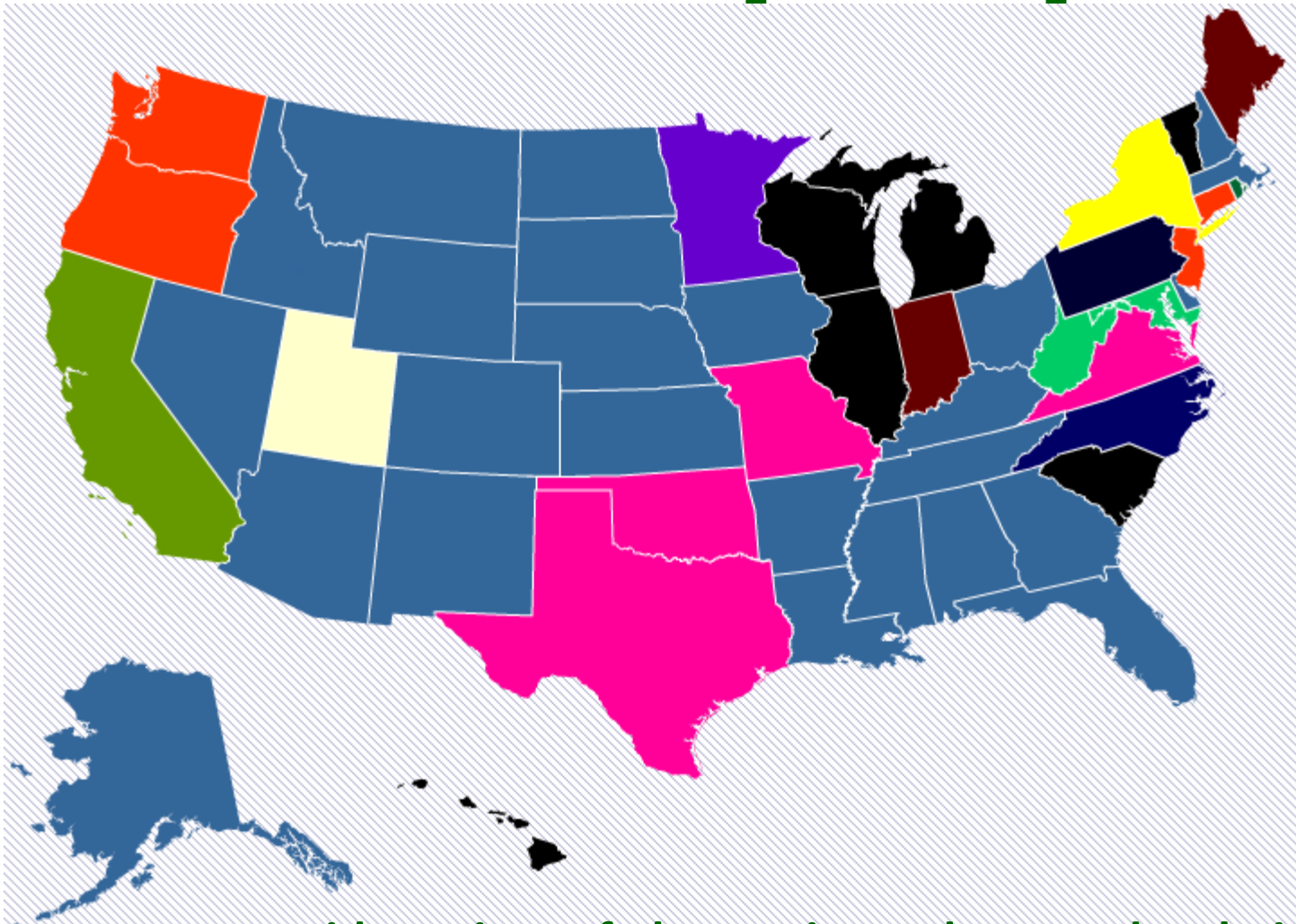
- **Background Data and Facts on US State/Local Electronics Recycling Laws**
- **ERCC Overview and Major Projects**
 - Ecycleregistration.org
 - Market Share Data Gathering
- **Agenda Overview**

States With E-Scrap Laws



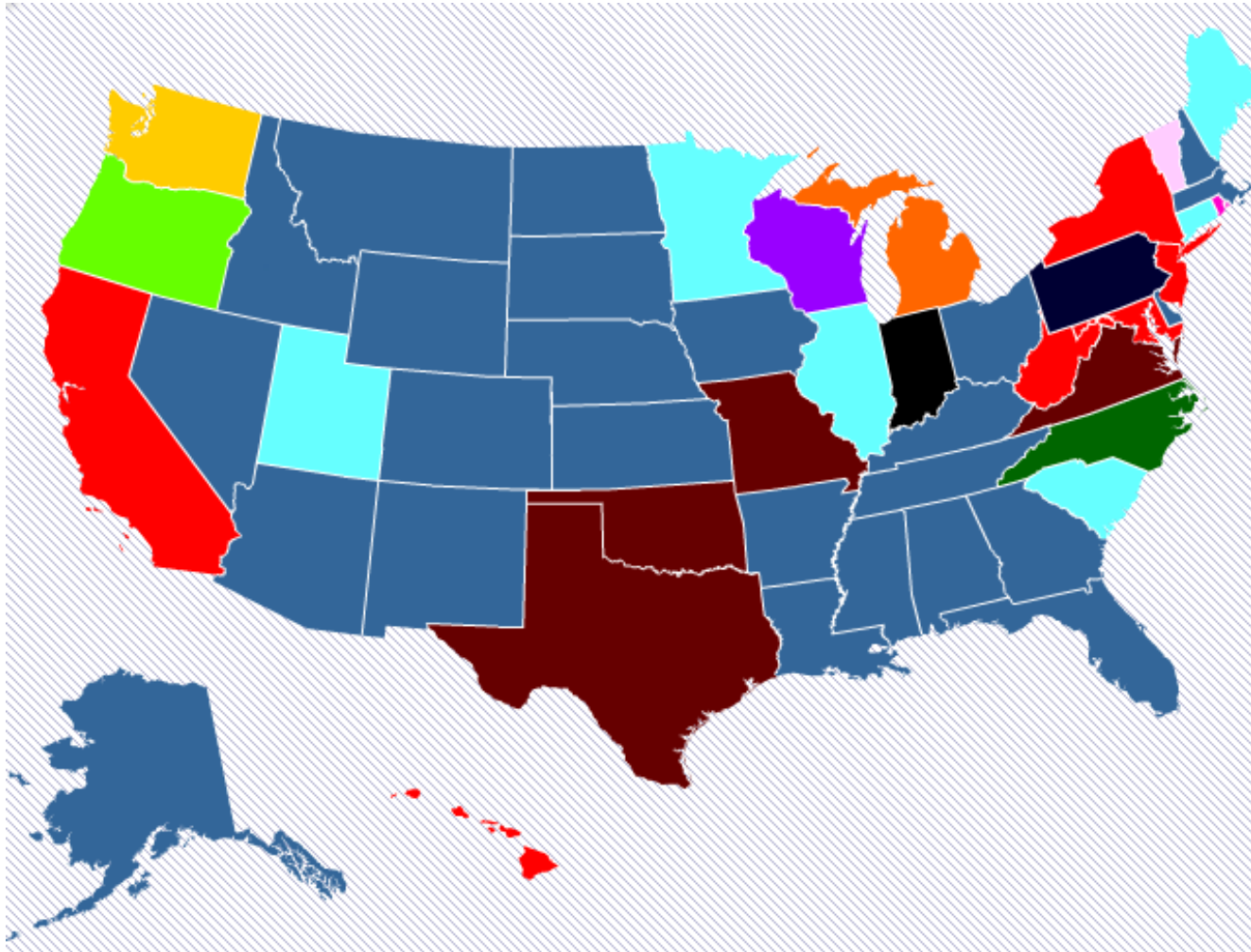
States highlighted in orange have some type of electronics recycling law

Product Scope Map



Some states cover a wide variety of electronic products under their law. Others are more narrow and may only include laptop computers and monitors. Go to ecycleclearinghouse.org for more details.

Patchwork of Covered Entities



Some states cover all entities, whereas others put restrictions on who is covered and may only cover households, or households and schools. Go to ecycleclearinghouse.org for more details.

Types of Financing

ARF - Electronic Waste Recycling Fee, assessed on the sale of covered electronic products

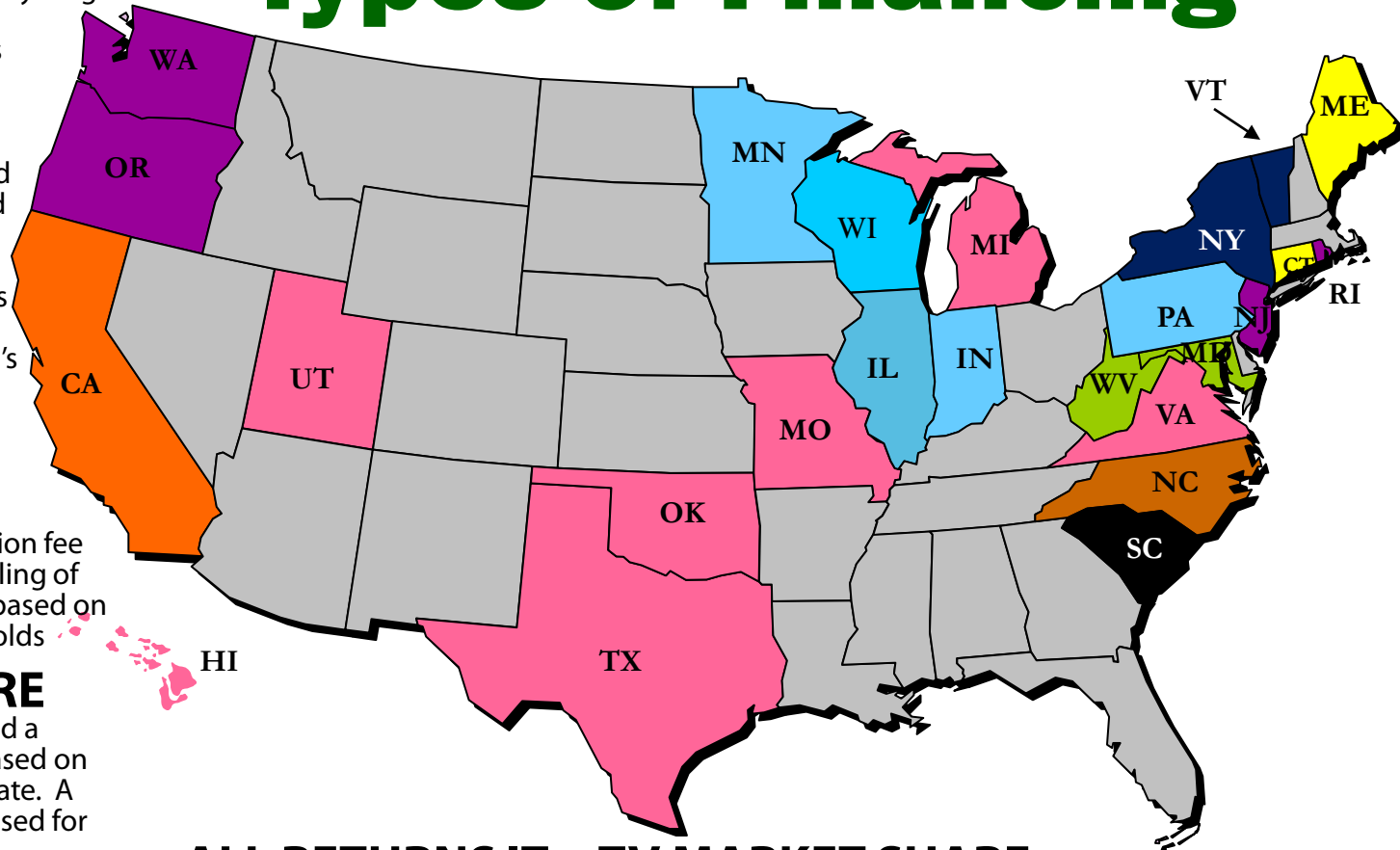
FEE - Manufacturer Annual Registration Fees (can be significantly reduced by establishing an approved take-back program)

SHARE - Manufacturers must finance a program to collect & recycle their brand's share of covered products, either collectively or independently.

LBS. SOLD
Manufacturer pays registration fee and for collection and recycling of covered electronic devices based on their yearly sales to households

LBS. SOLD SHARE
Manufacturers are assigned a market share percentage based on total weight sold into the state. A separate per capita goal is used for collection targets.

PLAN - Manufacturers must develop and implement their own recycling programs for their own returned products. MI has voluntary market weight-based goal.



ALL RETURNS IT + TV MARKET SHARE - IT Manufacturers pay for costs of their own branded products collected plus a pro rata share of orphan products. TV manufacturers pay based on their market share percentage of all TVs returned.

TIERED FEE W/ PLAN FOR IT, MARKET SHARE FOR TV
IT manufacturers choose plan + fee type and TV manufacturers collect market percentage

IT Plan + TV MARKET SHARE: IT manufacturer must submit plan for their own returned brands and TV manufacturers collect market percentage

What is the ERCC?



- Addresses growing number of state electronics recycling laws
- Forum for coordination and info exchange, joint decision-making
- Members
 - Voting: State/local government
 - Affiliate: industry, non-profits, state/local without legislation, trade associations
 - Founding: voting and affiliate members committing before January 2010 launch
- Modeled on Toxics in Packaging Clearinghouse

Why the ERCC?



- Reduce administrative overlap
- Offer covered stakeholders a one-stop shop for information on state laws
- Coordinate data gathering and information sharing
- Formalize joint, but non-binding, responses on key implementation issues
- Mainly targets and benefits for agencies and covered stakeholders (OEMs, recyclers)

Activities of ERCC



- **Current Activities**

- Consolidated registration system – [www. ecycleregistration.org](http://www.ecycleregistration.org)
- Manufacturer tracking database
- Market share data gathering and access
- Coordinated responses and info sharing on non-compliant companies
- Data tracking of performance measures
- Collector Best Practices

Ecycleregistration.org



- Test website developed
- Allows manufacturers (currently) to enter annual registration info centrally
 - State specific pages after entering combined info
- States would allow online registration or own form



eCycleRegistration

If you are an electronics manufacturer, this online tool will help you comply with the varying state electronics recycling laws.



Welcome to our web site

The Manufacturer State Registration Application is a central location for electronics manufacturers to register their company with the states that have enacted e-waste legislation. This application guides manufacturers through each of the varying state-by-state requirements.

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▼ ABOUT US

▼ CALENDAR

▼ LAWS

▼ CONTACTS

▼ LOG-IN

Manufacturer State Registration Application



The Manufacturer State Registration Application (MRSA)

provides one central location for manufacturers to register their brands under each of the state e-waste laws. The MRSA also enables the state agency representatives in charge of implementing each of their state's e-waste laws to log-in and

control what type of information is required of the manufacturers who are registering in their state. The goal of the MRSA is to simplify the registration process for manufacturers and give them one central place to view the requirements concerning registration under each of the state electronics recycling laws. The MRSA also helps to simplify the process for state agency representatives responsible for implementing electronics recycling laws by consolidating various duplicated registration forms, and decreasing the time and effort on the part of each state to track down the appropriate manufacturer contact.

Latest News

August 30, 2011
Electronics Recycling Coordination Clearinghouse (ERCC) to hold pre-conference workshop on Harmonizing State Electronics Recycling Laws at The E-Scrap Conference 2011.

[read more](#)

Want to Log-In or Set Up An Account?

[CLICK HERE](#) to log into an existing account.

[CLICK HERE](#) to set up a new account.

If you are a state administrator, [CLICK HERE](#).



Market Share Data



- Many states base responsibility on recent sales; have need for data
- ERCC issued RFP to market research firms, September 2011; evaluating proposals
- Longer term – central database for manufacturer self-submission
 - Could be in combination with research firm data



Workshop Goal and Agenda Overview

Goal



- To develop a series of actions to address priority challenges for impacted stakeholders and government agencies due to the differing state laws. The result will be a Harmonization Work Plan that identifies key actions for ERCC to take over the next twelve months.

Agenda



- **1:00 – 1:20 PM Introductions and ERCC Overview**
- **1:20 – 2:00 PM Issue Topic #1: Performance Goals and Reporting**
 - Review Discussion from 2010 and Progress
 - Discussion: Recommended Actions to Address
- **2:00 – 2:45 PM Issue Topic #2: Product Scope Variation and Gray Area Products**
 - Review Discussion from 2010 and Progress
 - Discussion: Recommended Actions to Address

Agenda Cont'd



- **2:45 - 3:00 PM Break**
- **3:00 – 3:30 PM Issue Topic #3:
Collector Best Practices**
 - Review Discussion from 2010 and Progress
 - Discussion: Recommended Actions to Address
- **3:30 – 4:00 PM Recap Actions for
“Harmonization Work Plan,” Next Steps**
 - Review Discussion from 2010 and Progress
 - Discussion: Recommended Actions to Address

#1: Performance Measures



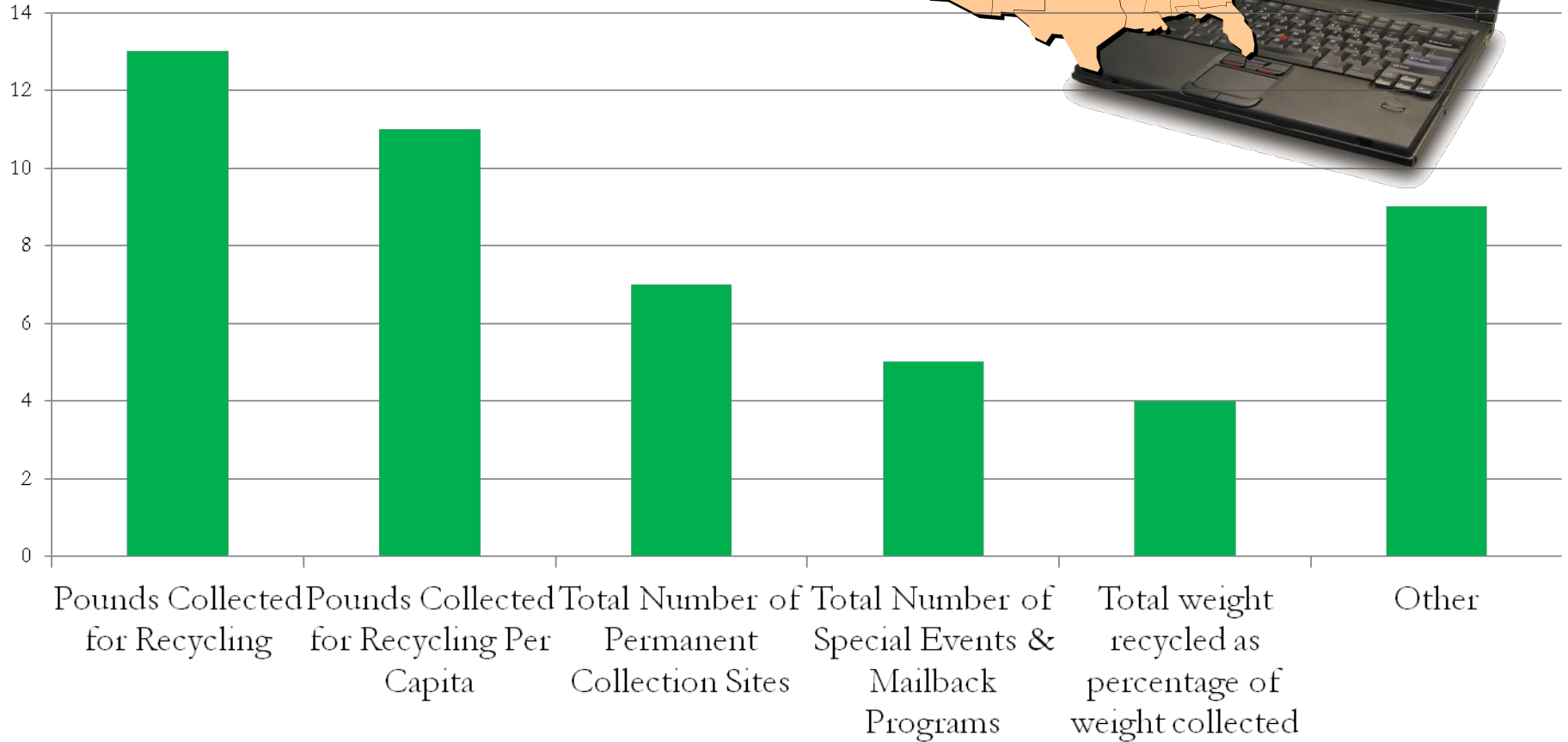
- Discussion Last Year
 - Two subtopics: 1) How and what to measure to gauge performance and 2) mechanisms for reporting data
 - What to measure: lbs collected, per capita, convenience/ national vs state/regional
 - Reporting: standardize base level of reporting and data needed; look at measures reportable nationally
- ERCC Follow up – [ERCC Best Practices document](#) published with recommendations
 - LBs collected, lbs per capita, number of sites/events/mailback, % recycled, disposed and reuse of total collected



Topic #1 Discussion

**Results from survey of 14
state managers**

How do you currently measure the performance of your program



Other Performance Measures

- Pounds collected by product type/category
- Pounds collected by County
- Pounds recycled per capita (statewide, metro, non-metro)
- Pounds recycled & compliantly claimed
- Pounds collected & recycled
- Pounds recycled by manufacturer
- Total number of registered recyclers
- Pounds recycled in-state



Additional Performance Measures to consider in comparing state electronics recycling programs & potential areas for harmonization



- Number of registered manufacturers
- Number of recyclers
- Number of programs requiring 3rd party certification for recyclers
- Number of new collection sites
- Convenience of collection centers (percent of free collection sites, percent of population within 15-20 miles of site)
- Level of public awareness/ease of use for the public
- Level of administrative burden placed on manufacturers, recyclers, collectors & states
- Manufacturer's performance & compliance across states

Issues to Consider When Evaluating Performance Measures Between States



- Hard to do a fair comparison due to scope and entity differences
 - Large entity volume needs to be factored in if making comparisons
 - Non-covered products also skew overall picture of recycling activity in a state
- Impact of landfill bans and their scope factor in as well

#2 Product Definitions



- **Discussion Last Year**
 - Standards for evaluating new products?
 - i.e. toxicity, sales, etc.
 - Need methodology for deciding what is “covered”
 - Changing scope might require legislative fixes
 - Harmonization proposals in states have received pushback if it means expansion
- **Current ERCC activities:**
 - Information sharing on gray area products, gathering data on state interpretations



Topic #2 Discussion

**Results from survey of 14
state managers**

Which product types are presenting the most challenges for meeting your state's definition of covered devices?



- E-readers
- Digital picture frames
- Large screen phones

Ideas for harmonizing consistent interpretations of product coverage



- Develop definitions through ERCC & provided to states for adoption into law
 - Specifically, better definitions for laptops that incl e-reader and tablets
 - Common definitions of collector , recycler, dismantling, downstream, products
- Develop/ assign newer brands to certain product categories, (i.e., e-readers = computer, tablets with video screen > 7" = computer, etc).
- For each product, list functions & parts/features which help place the new products into the existing categories.
- A simple database/inventory of features of different product models Agreement among states on what is included in definitions like computer & computer monitor.

Product definition harmonization ideas



- Using singular set of national market share data for registration purposes.
- Manufacturer registrations & annual fees submitted to state by third party
- Discussion of what states have done in rules or guidance documents to flesh out definitions--these might be easier to harmonize than statutory changes/ open dialogue with other states

#3 Collector Best Practices



- **Discussion Last Year**
 - Problems with collectors diverting more valuable items from programs
 - No consistency in housekeeping or basic safety practices
 - Need for best practices
- **ERCC Work to Date –**
 - Created working group, prepared draft best practices
 - Releasing document and presentation at this conference
 - More feedback needed on implementation



Topic #3 Discussion and Survey Results

Collector Requirements



Other Collector Requirements



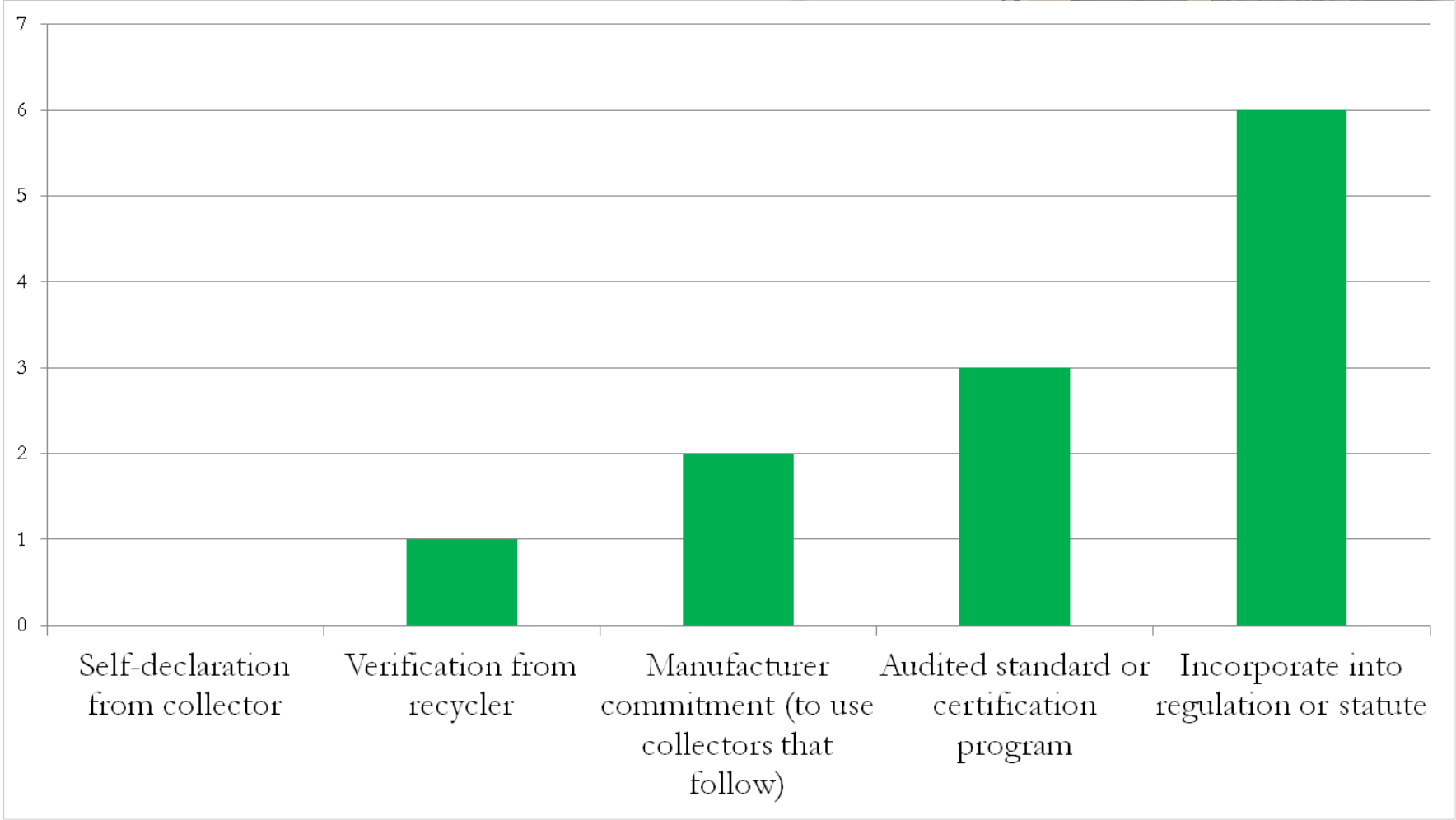
- **Compliance with hazardous waste/universal waste rules**
- **EPA standards, R2 practices, ISO certifications**
- **Free & convenient collections**
- **Contracts with recyclers or manufacturer recycling programs**
- **Registration & use of only registered collectors & recyclers**

Comments on utilizing a more harmonized & consistent set of collector best practices



- Federal/national standards would be helpful
- For registered collectors, easiest to incorporate standards in regulations. For non-registered collectors, a self-certification or third-party audit system might be good.
- If not by regulation, issuance of a general permit with BMPs built in.

States: What is your preferred approach for utilizing a more harmonized & consistent set of collector best practices?

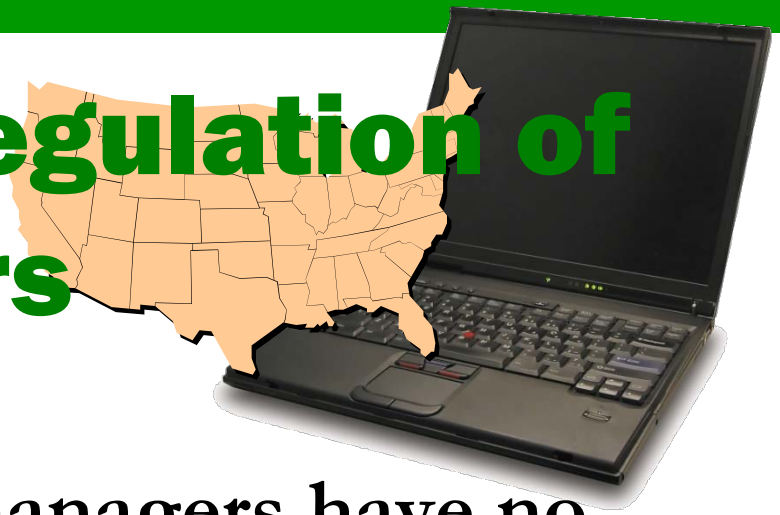




Other Topics and

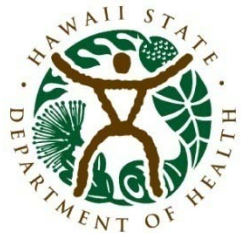
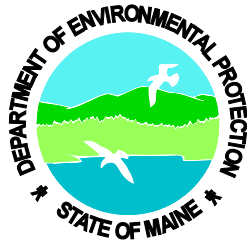
BACKGROUND SLIDES

#4 Cross Border Regulation of Recyclers



- 2010 Discussion: state managers have no authority to regulate out of state; yet many recyclers from other states register and provide manufacturer programs
- Potential solutions:
 - Manufacturer standards, EPA enforcement
 - Using R2/eSteward as a baseline for participation
 - 3rd party auditor
 - Share info on recyclers

ERCC Founding Members:



Voting Members:

- CalRecycle
- Connecticut DEEP
- Hawaii DOH
- Illinois EPA
- Indiana DEM
- Maine DEP
- Minnesota PCA
- New Jersey DEP
- New York DEC
- North Carolina DENR
- Oregon DEQ
- Pennsylvania DEP
- South Carolina DHEC
- Vermont DEC
- Wisconsin DNR



Affiliate Members:



- Arrow-Intechra
- Best Buy
- Brother International
- Consumer Electronics Association
- Dell
- ecoATM
- ECS Refining
- Electronic Recyclers Internat'l
- Funai
- IMS Electronics Association
- Orion America, Inc.
- PA Recycling Markets Center
- R2 Solutions
- Rhode Island Resource Recovery Corporation
- Samsung
- Sims Recycling Solutions
- Technology Conservation Group
- Waste Management Recycle America
- WeRecycle! LLC