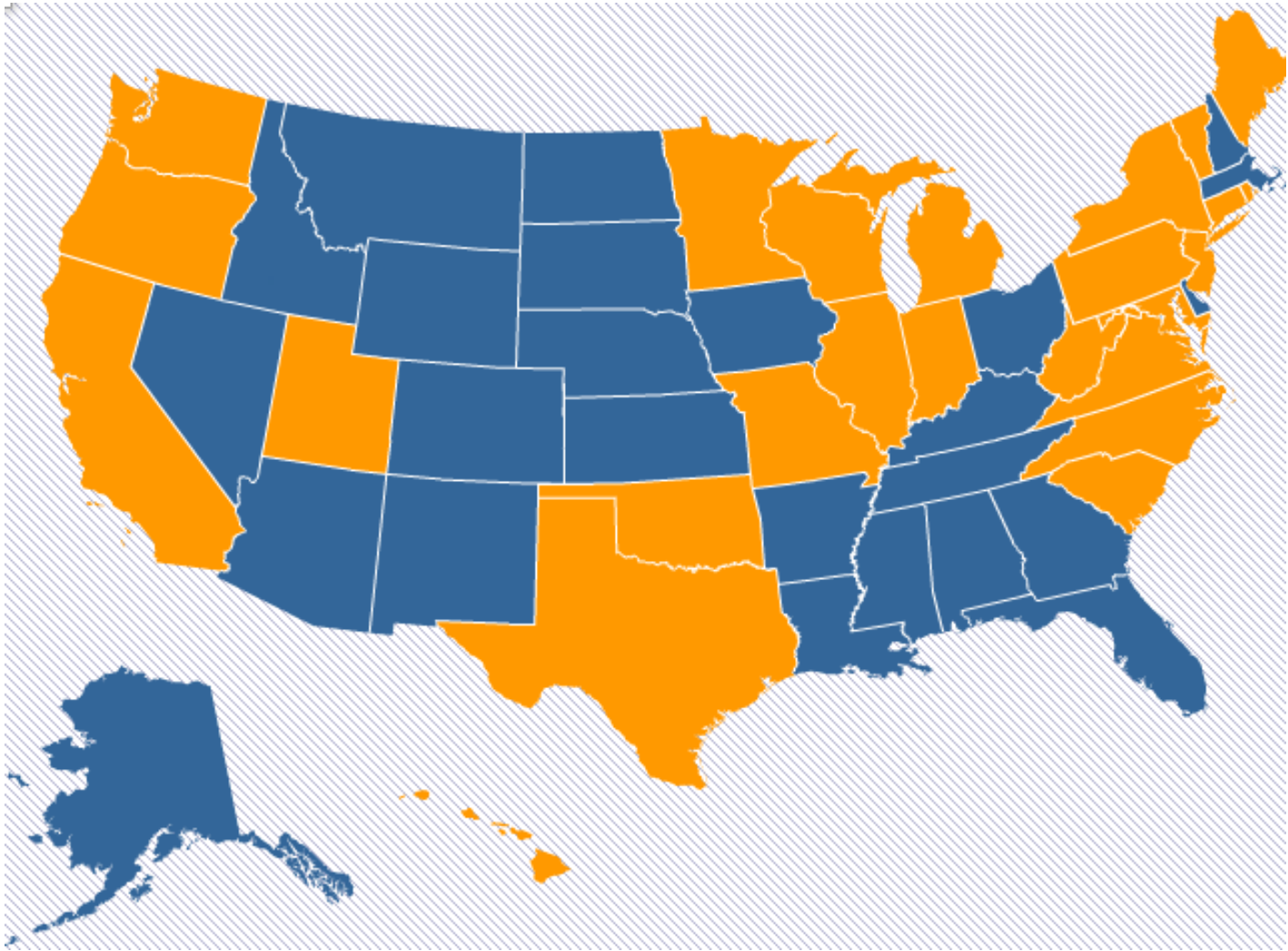




# **Overview of Electronics Recycling Coordination Clearinghouse (ERCC)**

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

# Overview of States With Laws



States highlighted in orange have some type of electronics recycling law

# 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 targeted and benefits for agencies and covered stakeholders (OEMs, recyclers)
  - Users of recycling systems (consumers) should also benefit from harmonization across states

# The Need



- Regular forum for info exchange
  - Away from infrequent conference sessions, exaggerations of legislative battles
- Learn from previous states
  - “Home” for knowledge base
- Method for identifying and reducing overlap
  - Saves government and stakeholder resources
- Formal process for making decisions
  - i.e. new products, gray areas, standardized reporting guidelines, best practices for difficult challenges

# Activities of ERCC



- **Current Activities:**
  - Brand-manufacturer tracking database
  - Consolidated online registration system
  - Market share data gathering and joint purchase
  - Collector Best Practices
  - Coordinated responses to non-compliant companies
  - Data tracking of performance measures
  - Workshops at E-Scrap Conference, presentations on state activity across country
- Others determine by member input

# ERCC Founding Members:



# Voting Members:

- CalRecycle
- Connecticut DEEP
- Hawaii DOH
- Illinois EPA
- Indiana DEM
- Maine DEP
- Maryland DOE
- 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
- Metech Recycling
- Microsoft
- Orion America, Inc.
- PA Recycling Markets Center
- Product Stewardship Institute
- R2 Solutions
- Rhode Island Resource Recovery Corporation
- Samsung
- Sims Recycling Solutions
- Technology Conservation Group
- Waste Management Recycle America
- WeRecycle! LLC



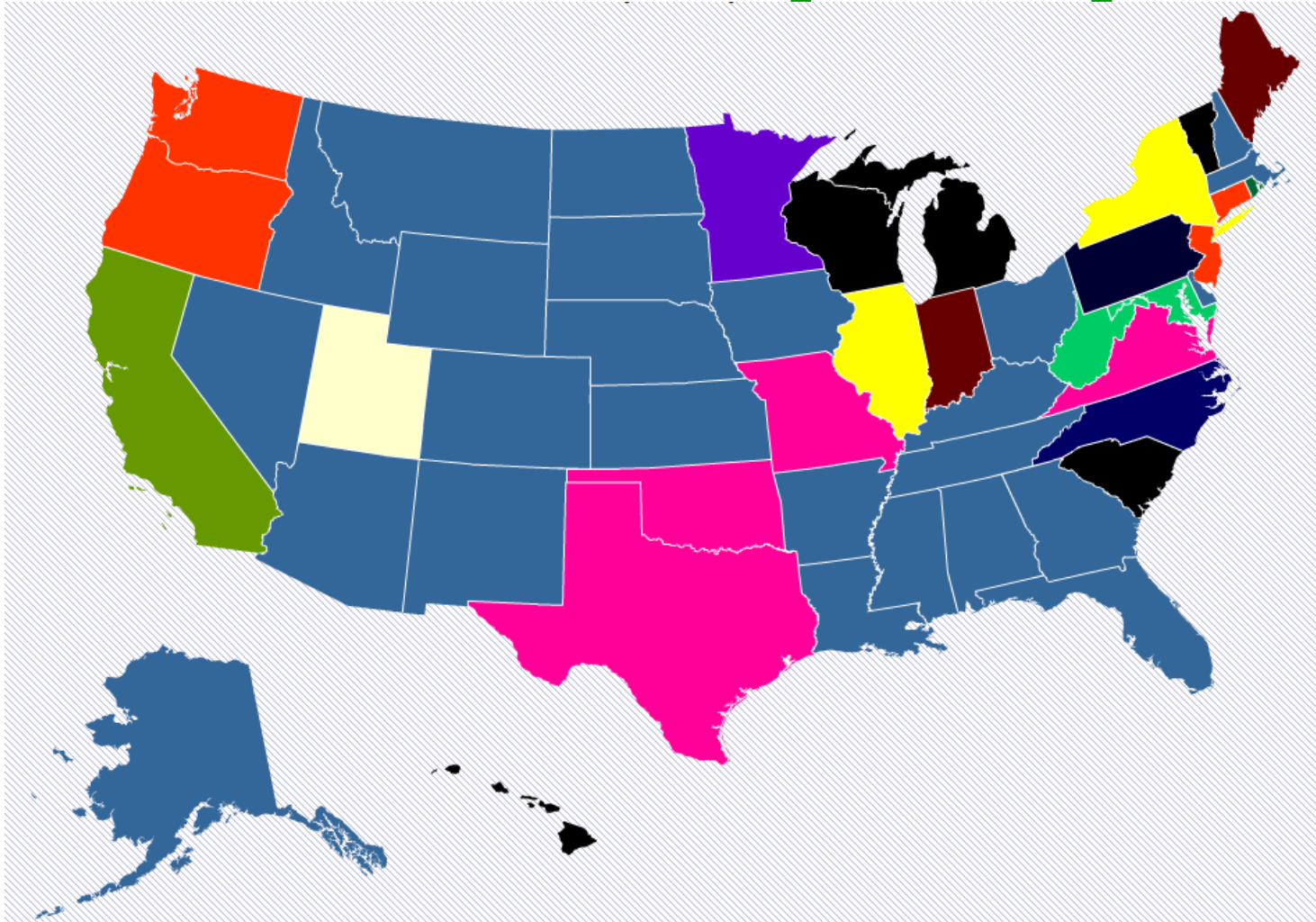
# **Background Data and Facts on US State/Local Electronics Recycling Laws**

# Grouping The States - 5 Models



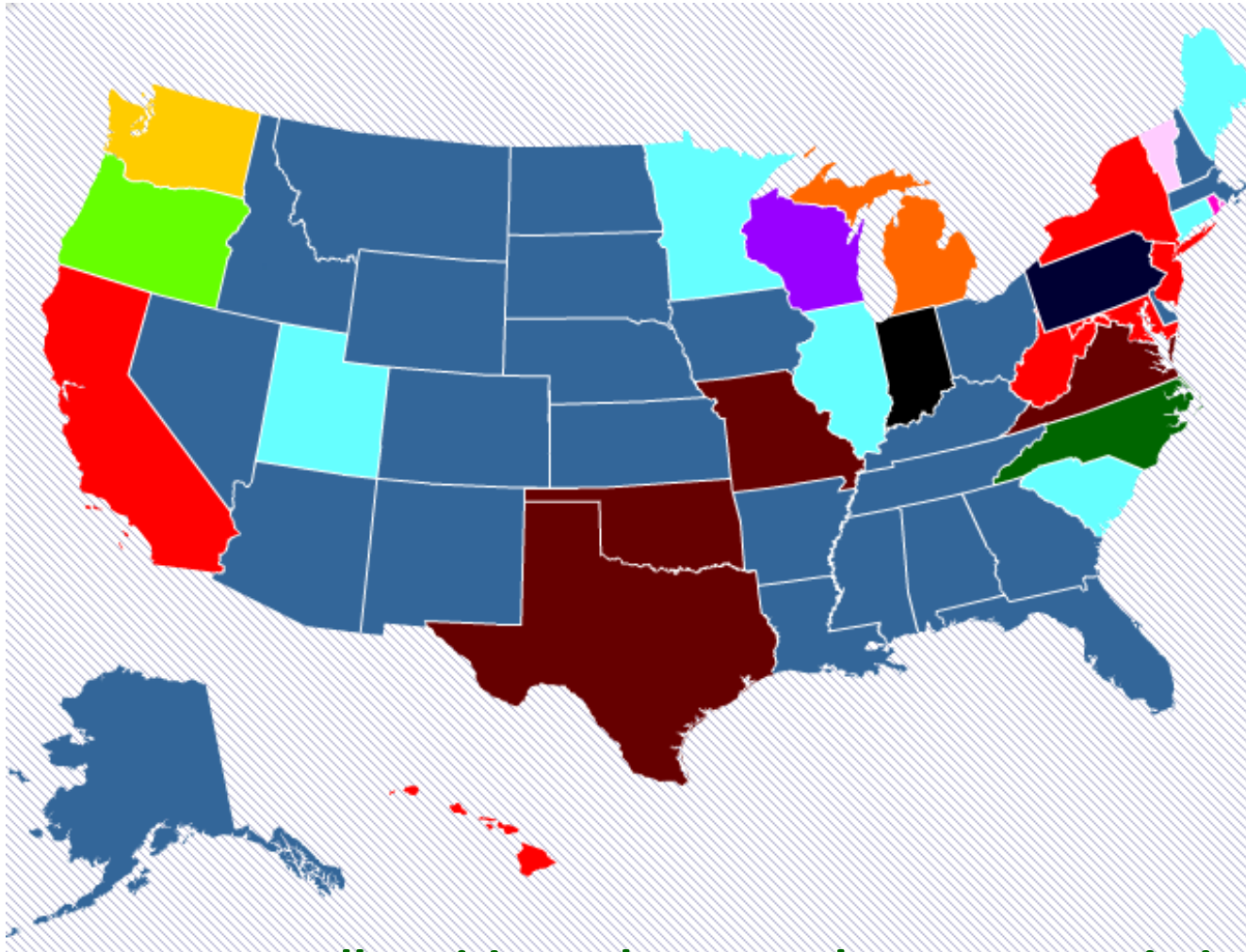
1. Pounds sold/share – OEM individual lbs goals, some without convenience metric
  - IL, IN, MN, NY, NJ, WI, (MI), (NC), (SC)
2. Default and opt-out, usually with convenience goals, collective programs
  - OR, RI, VT, WA
3. Limited take-back programs
  - MD, MO, (NC), (MI), (SC), OK, TX, VA, WV
4. Recycler approval, bill manufacturer, return & market share
  - CT, ME
5. Advanced Recycling Fee (CA)

# Product Scope Map



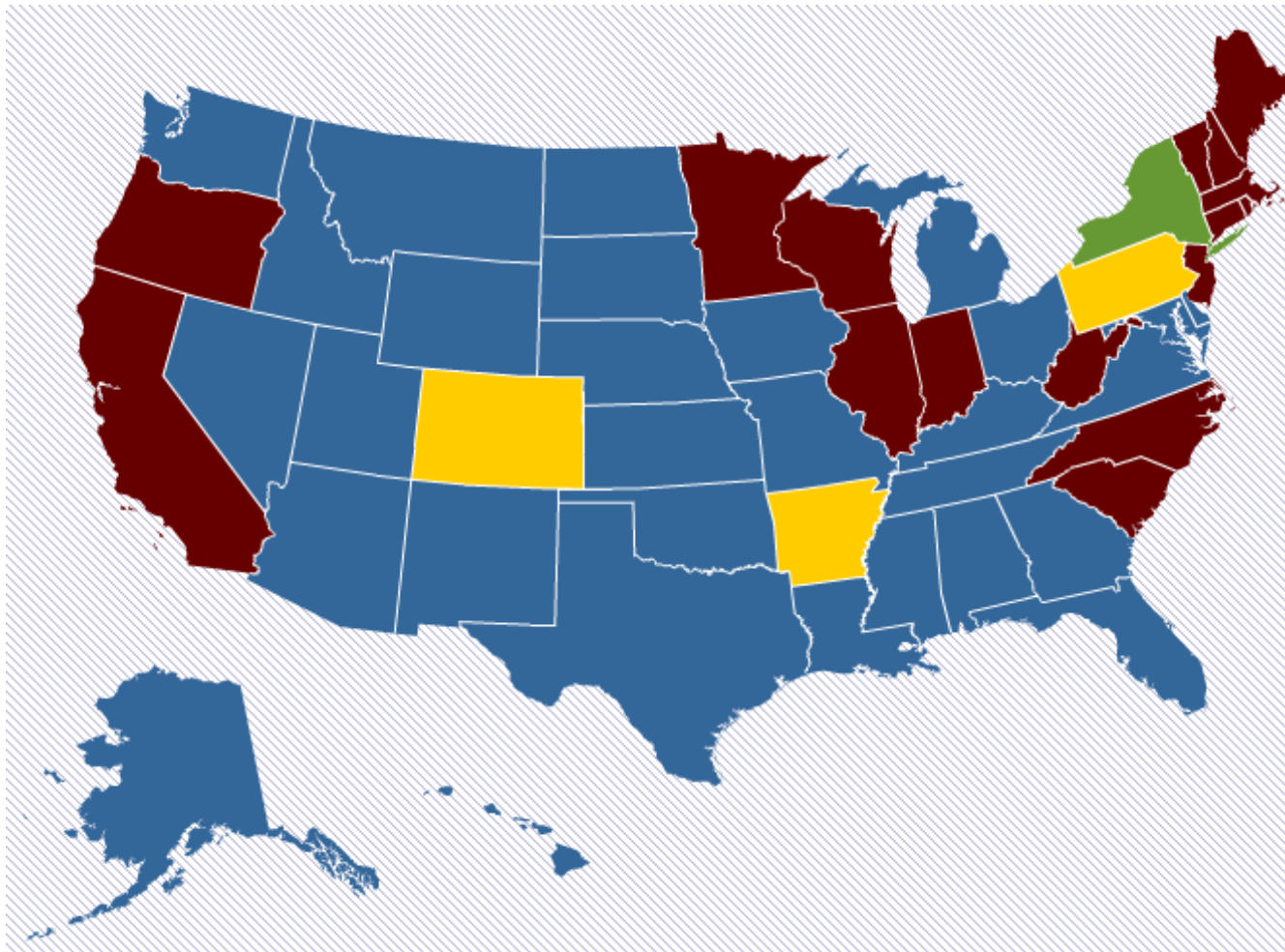
**Some states cover a wide variety of electronic products under their law. Others are more narrow and may only include laptop computers and monitors. Go to [ecycleclearinghouse.org](http://ecycleclearinghouse.org) for more details.**

# 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](http://ecycleclearinghouse.org) for more details.

# Disposal Bans



**Maroon states have landfill bans. Those highlighted in yellow also have landfill bans, but aren't in effect yet.  
New York landfill ban (in green) implemented in stages.**

# Types of Financing

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

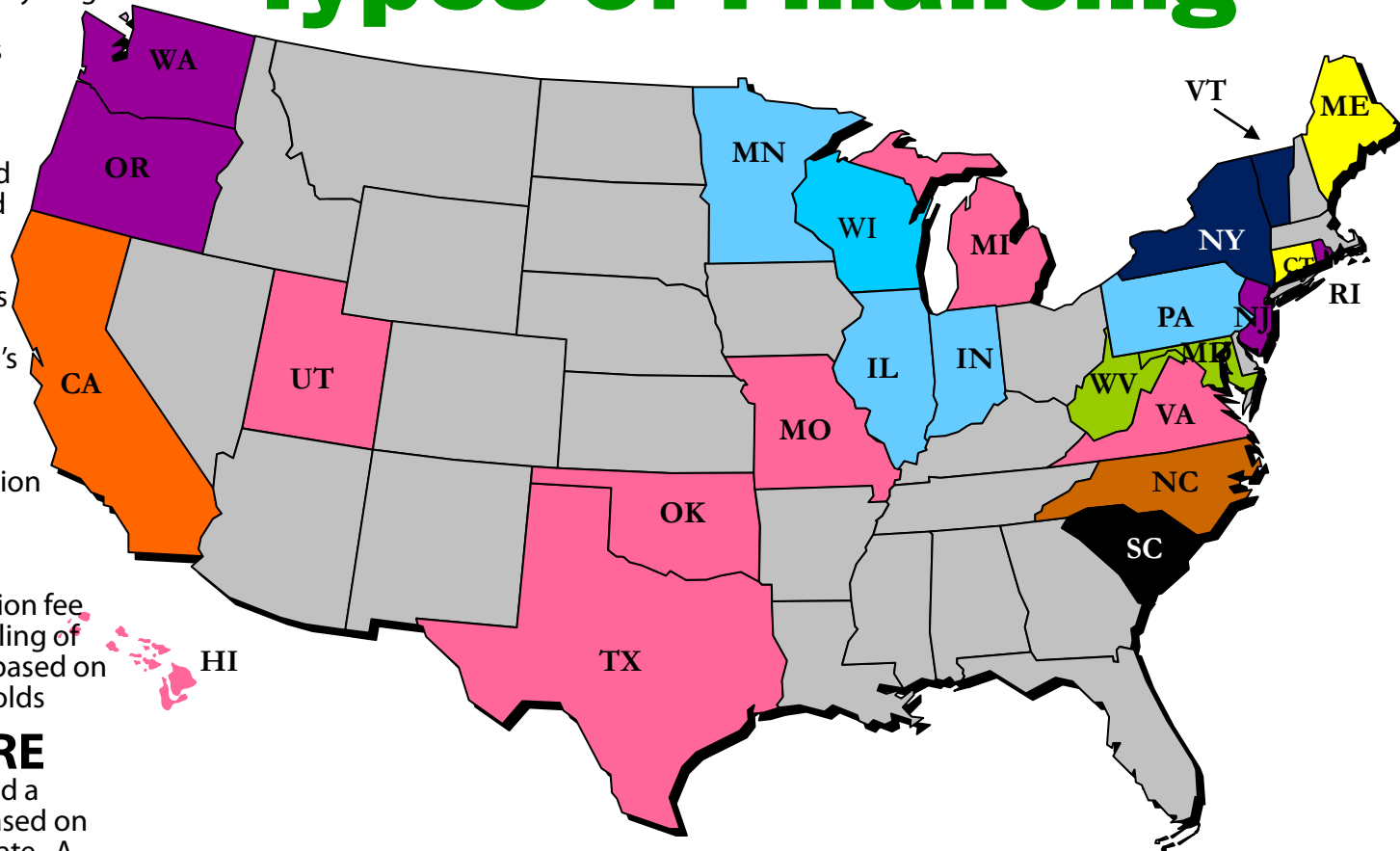
**FEE** - Manufacturer Annual Registration Fees (can be significantly reduced by establishing an approved take-back program)

**SHARE** - Manufacturers must finance a program to collect & recycle their brand's share of covered products, either collectively or independently. All but WA divide TV obligation by market share

**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. (IL uses return share for IT devices)

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

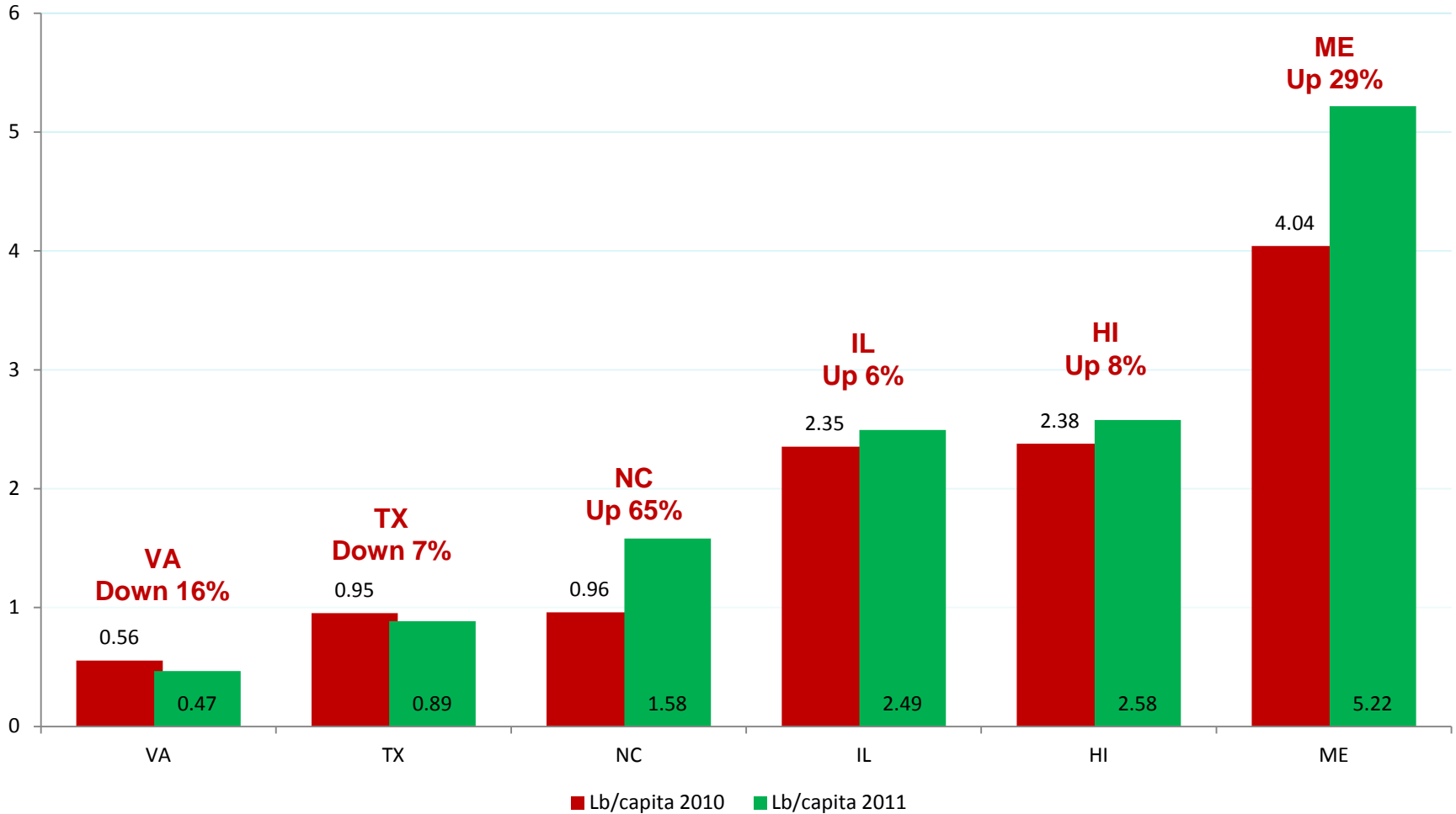


**ALL RETURNS IT + TV MARKET SHARE** - IT Manufacturers pay for costs of their own branded products collected plus a pro rata share of orphan products. TV manufacturers pay based on their market share percentage of all TVs returned.

**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

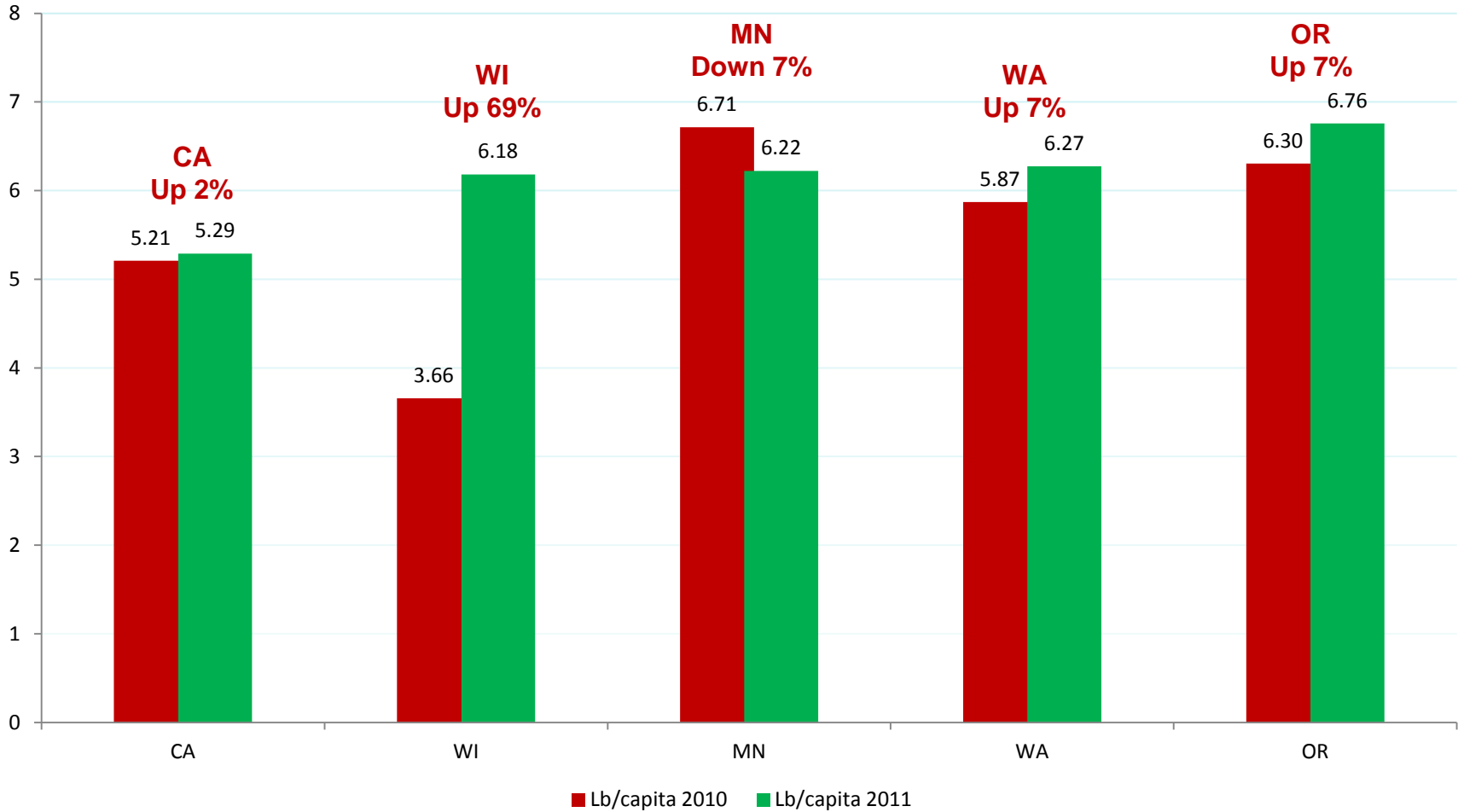
# Rate of Change: 2010/2011 Per Capita Rates



**NOT a True Comparison – Products/Entities Differ!**



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