



# Missouri Sustainable Packaging Work Group

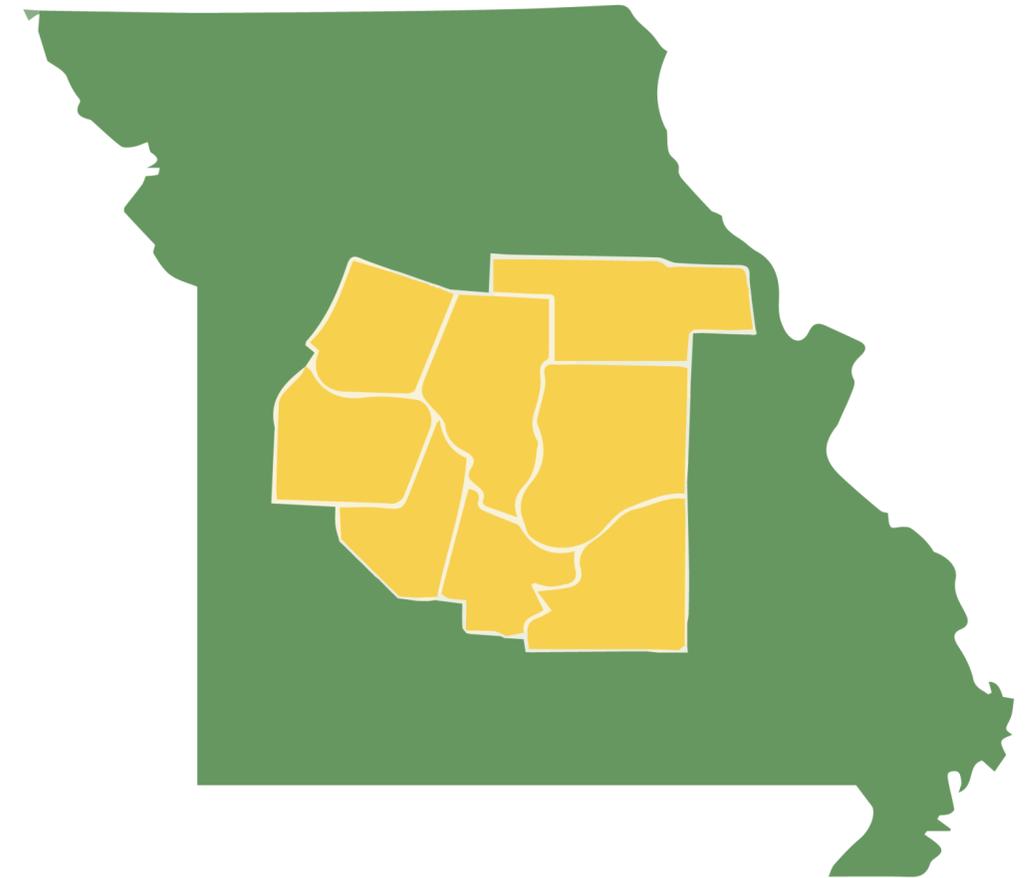
**Product Stewardship Institute**  
February 24, 2022

# Meeting Agenda

1. Introductions
2. Brief Review of Workgroup Goals
3. Update on EPA-Funded Projects in MO
4. Packaging Stewardship 101
5. Next Steps



**New**  
**Workgroup Chair:**  
**Elise Buchheit!**  
*District Manager, MMSWMD*



# INTRODUCTIONS (for new members)



# Product Stewardship Institute

*Building capacity for product stewardship and EPR in the U.S. for **20+ years***

## Government Members & Board

47 **state** agencies  
& hundreds of **local** governments

## Packaging EPR Policy Model

- 11 active states
- Federal BFFPPA

## Multi-Stakeholder Partners

100+ producers, recyclers, waste management, retailers, NGOs, academics, international gov'ts

**2020: Mediated Agreement between FPA, State, and Local Governments**

*Convening **public & private sectors** around shared principles & policies*

124 EPR  
Laws:



and  
more...

# Missouri Product Stewardship Council (MO PSC)

- Founded in 2018 with the support of PSI and funding from St. Louis-Jefferson and MARC SWMDs
- Coalition of **local governments, businesses, and other stakeholders** primarily focused on paint, pharmaceuticals, and mattresses, with monthly meetings facilitated by PSI staff
- This workgroup is being convened as part of the MO PSC alongside two other preexisting workgroups (for paint and pharmaceuticals)



**St. Louis-Jefferson Solid  
Waste Management District**  
Recycling Works for St. Louis!



# Statewide Sustainable Packaging Work Group

## **Our Goals:**

- Inform design & implementation of EPA R7 project.
- Promote project results and resources developed.
- Offer technical assistance to others in Missouri on sustainable packaging, food service ware, and source reduction.
- Serve as an information-sharing and educational forum for stewardship solutions on packaging issues.

## **Group Structure:**

- Subcommittee of MO PSC members, project partners, key St. Louis community stakeholders, and national reuse experts.
- Meet quarterly, or every other month as needed during the project period.

# EPA-Funded Projects in MO

- **EPA R7: Healthy Communities Grant.**
  - PSI & earthday365 partner with St. Louis restaurants to reduce single-use food serviceware & choose reusables
  - Launch earthday365's KindBox app & reusable container program
  - Launch statewide sustainable packaging work group
- **EPA R6: Trash Free Waters Grant.**
  - MRCTI, with support from RedBud, earthday365, and PSI
  - Install demonstration trash capture/measurement devices and water filling stations in St. Louis
  - Conduct community outreach & provide local mini-grants on litter/aquatic debris reduction in 3 St. Louis neighborhoods



# EPA Grant Update: Region 7

- earthday365 received first shipment of 600 polypropylene containers as well as QR codes to affix to containers
- Waiting on delivery of three return kiosks, catering permit from City of St. Louis, signed commitment letters from four pilot restaurants (one received so far!)
- First version of website and app to launch soon
- Next steps for promotion include:
  - 12 digital billboards in metro St. Louis area
  - Promotion at Earth Day festival in late April
  - PSI/ED365 press release and one-pager
  - Press event and promo video with EPA



# EPA Grant Update: Region 6 (TFW Gulf of Mexico)



- Project lead is MRCTI, in partnership with RedBud, earthday365, & PSI
- St. Louis is one of three cities along with Baton Rouge and Memphis
  - 3 neighborhoods in St. Louis, TBD
- In each neighborhood:
  - Stipends for data collection on litter & aquatic debris
  - Mini-grants to reduce plastic waste
  - Installing water filling stations and demonstration trash-capture devices in the Mississippi River
- earthday365 is recruiting restaurants to the Green Dining Alliance and providing incentives for Black- and immigrant-owned restaurants
- Expecting project launch early spring

# Packaging Stewardship 101



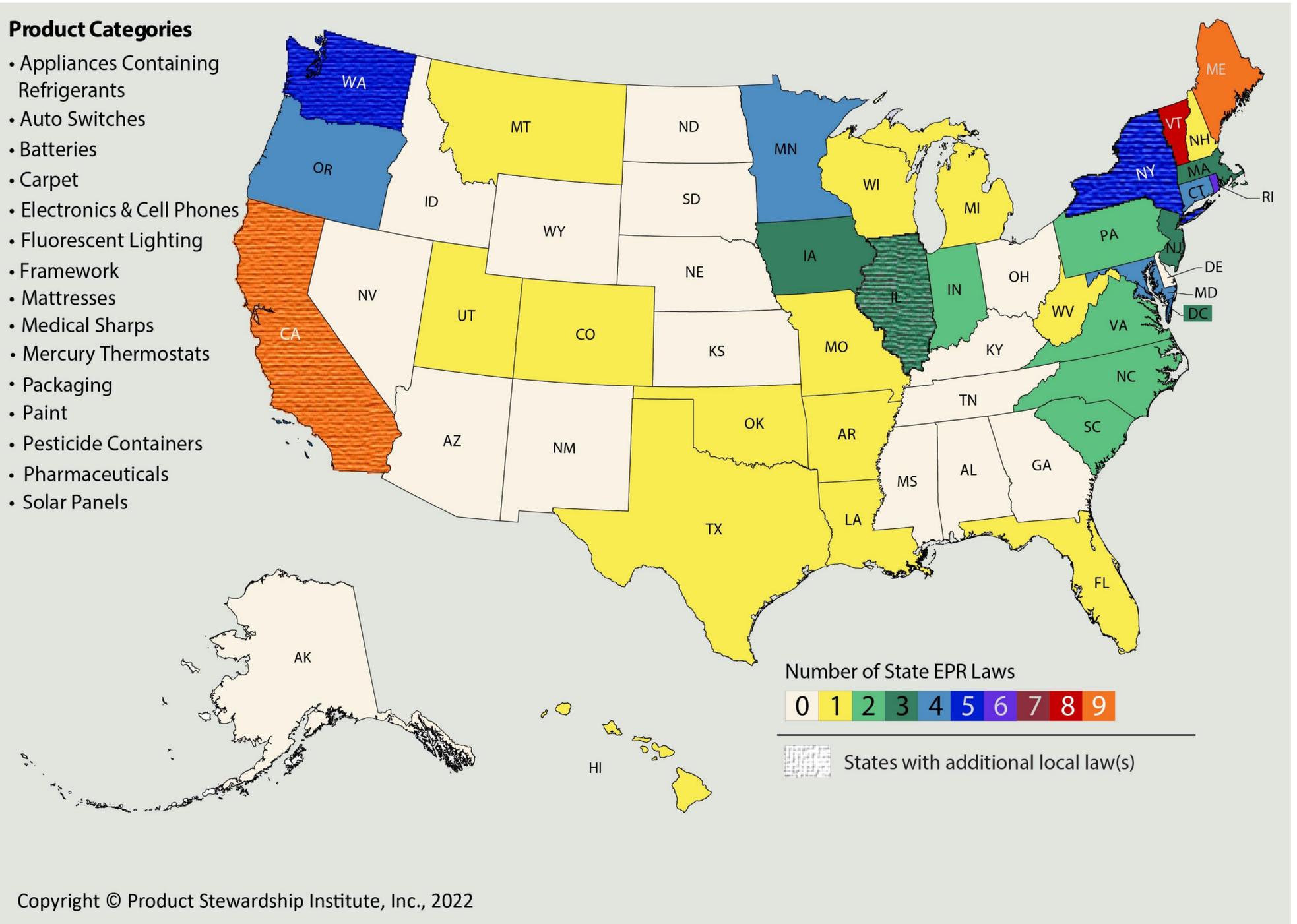
# 2022: EPR in the U.S.

**124 EPR Laws**  
**15 Products**  
**33 States + D.C.**

*\*While **bottle bills** are highly effective at recovering beverage containers, this count does not include the **10 state bottle bills** in the U.S., due to the different ways in which the disparate policies shift responsibility to producers.*

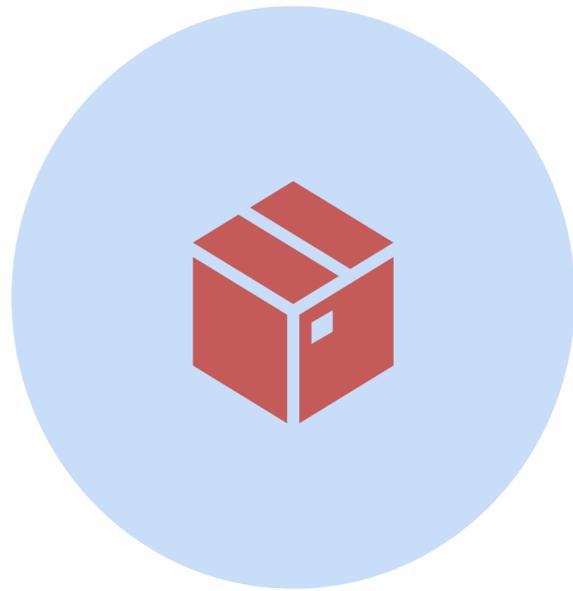
**Product Categories**

- Appliances Containing Refrigerants
- Auto Switches
- Batteries
- Carpet
- Electronics & Cell Phones
- Fluorescent Lighting
- Framework
- Mattresses
- Medical Sharps
- Mercury Thermostats
- Packaging
- Paint
- Pesticide Containers
- Pharmaceuticals
- Solar Panels

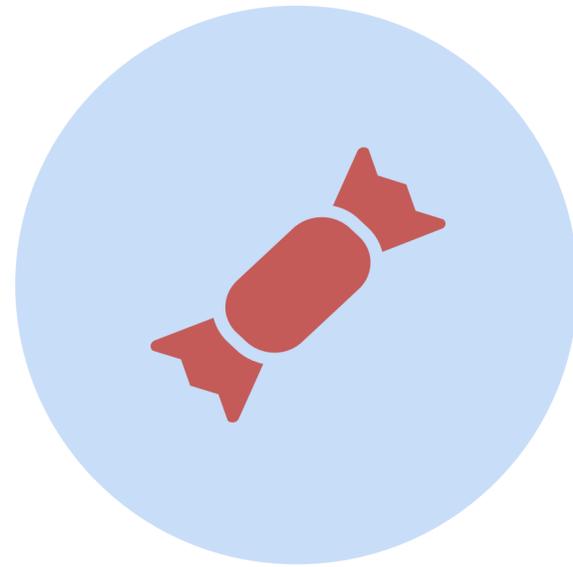




# The Packaging Problem



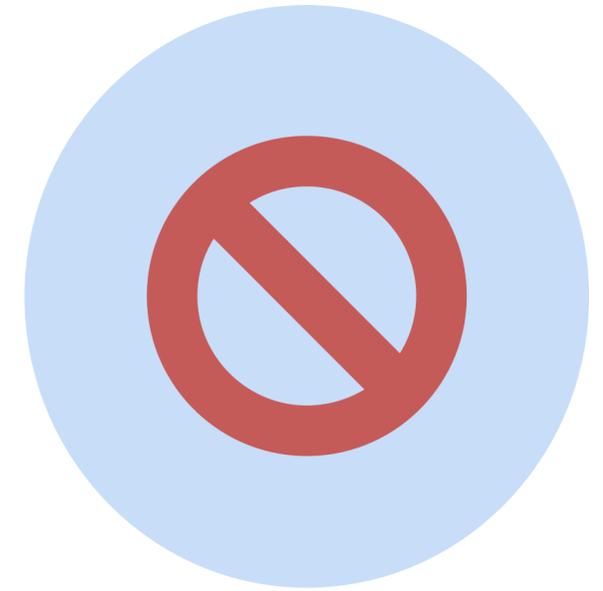
**Market  
flooded with  
packaging**



**Increasingly  
complex  
materials**



**Contamination  
and confusion**



**Market  
disruptions**

# EPR for PPP: Spreading Worldwide

**LORAX EPI**

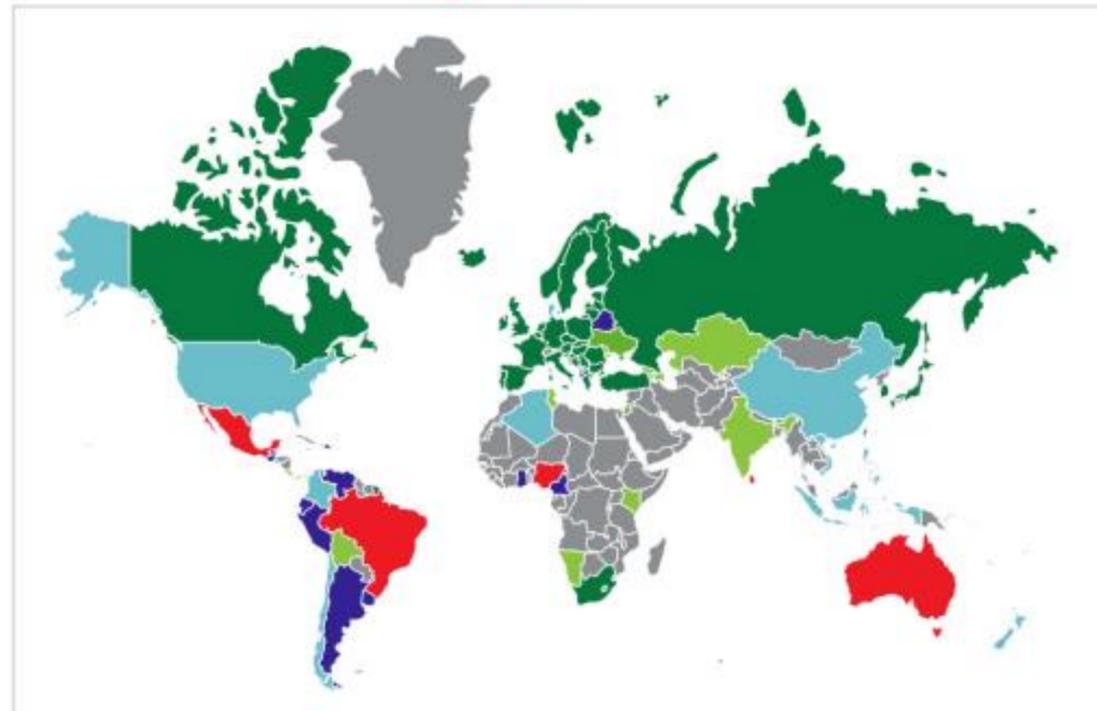
## EPR LANDSCAPE EVOLVING AT FAST PACE

**UPDATED JUNE 2021**

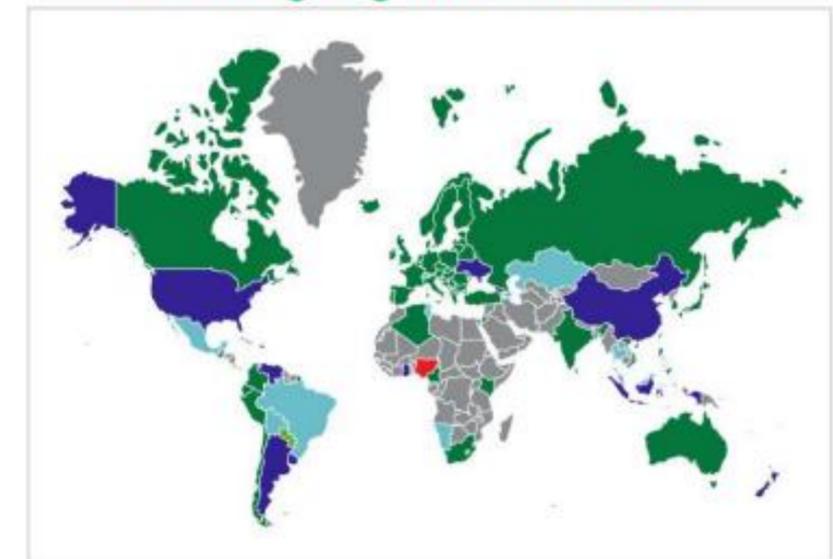
Packaging EPR in 2000



Packaging EPR in 2021



Packaging EPR in 2025



- Mandatory EPR: specific legislation in place for packaging
- Voluntary EPR: subset of businesses engaged in a scheme not mandated by law
- Limited EPR: EPR limited in geographical/packaging type scope; in some cases, may not apply to consumer packaging
- Framework EPR: Draft regulations exist calling for packaging EPR to be developed
- Emerging/Under Implementation: Expected to deliver EPR legislation shortly or have passed EPR legislation that has not yet come into effect

# Why Are EPR Laws Expanding?

1. Experience – they work:
  - Increased recovery and recycling
  - Sustainable financing (\$\$\$ savings)
  - Education and infrastructure (convenience)
  - Green sector jobs
  - Network of accountability
2. Potential for better products (fewer life-cycle impacts)
3. Ground has been plowed



# Increased Recycling; Reduced Contamination

- **Belgium:** since 1994; PPP recycling rate **92%**; contamination <10%
- **British Columbia:** since 2014; PPP recycling rate **90%**; contamination <10%
- **US:** avg. PPP recycling rate **50%**; avg. contamination >25%



# Five Key Aspects of EPR Systems: Legislation

- Levels the playing field
- Sets program boundaries
- Clarifies definitions
  - Who is a “producer”?
  - What is “packaging”?



# Five Key Aspects of EPR Systems: Financing



- How much do producers pay?
- How is money spent?

# Five Key Aspects of EPR Systems: Roles & Governance

- Who makes decisions?
- Advisory Council?
- State gov't oversight & enforcement
- Roles & options for local gov'ts



# Five Key Aspects of EPR Systems: Driving Change



- Design-for-environment
- Eco-modulated fees
- Performance goals
- Convenience standards
- Product bans
- PCR requirements
- Deposit return systems

# Five Key Aspects of EPR Systems: Equity & Environmental Justice

## ✓ Recycling Accessibility

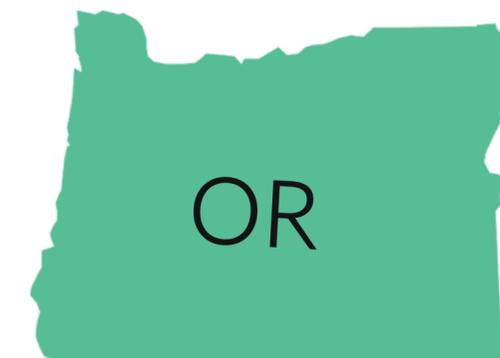
- Translation of Educational Materials
- Physical accessibility of collection infrastructure
- Distribution of collection infrastructure

## ✓ Responsible End-of-Life Management

- Certification of end markets & PRO guarantee
- Cumulative impacts of pollution
- No harm to people or environment

## ✓ Economic Opportunities in Recycling

- Worker health & safety — facility certification & permitting
- Living wages & supportive benefits
- Inclusion of independent contractors
- Job opportunities in litter clean-up



# PSI EPR Policy Model

Covered Materials/ Products	Governance	Performance Standards	Stewardship Plan Contents
Covered Entities	Funding Inputs	Outreach & Education Requirements	Annual Report Contents
Collection & Convenience	Funding Allocation	Equity & Environmental Justice	Implementation Timeline
Responsible Party ("Producer")	Design for Environment	Enforcement & Penalties for Violation	Additional Components & Definitions

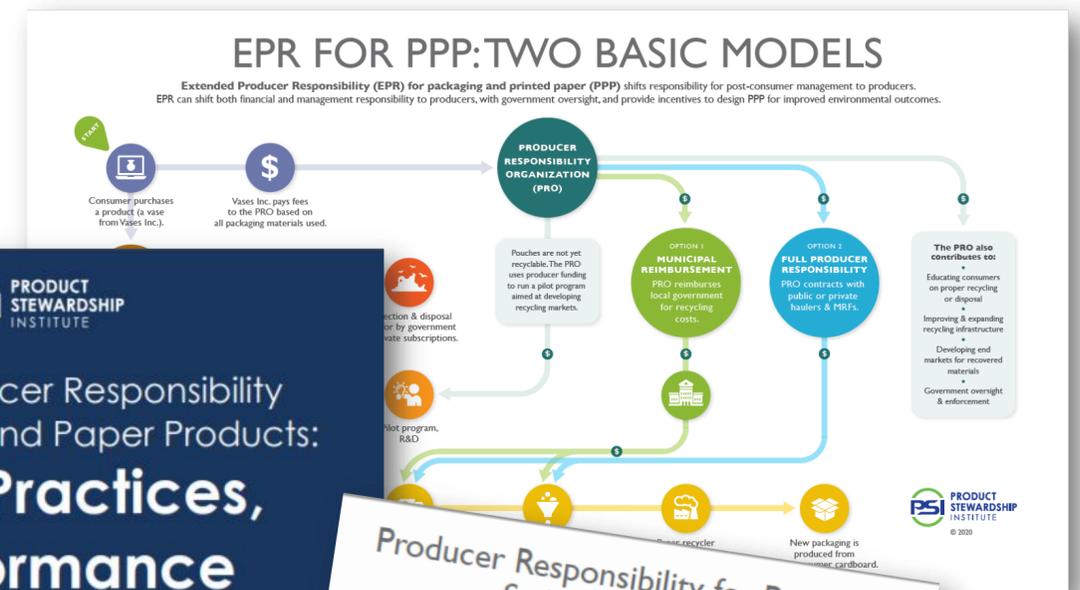
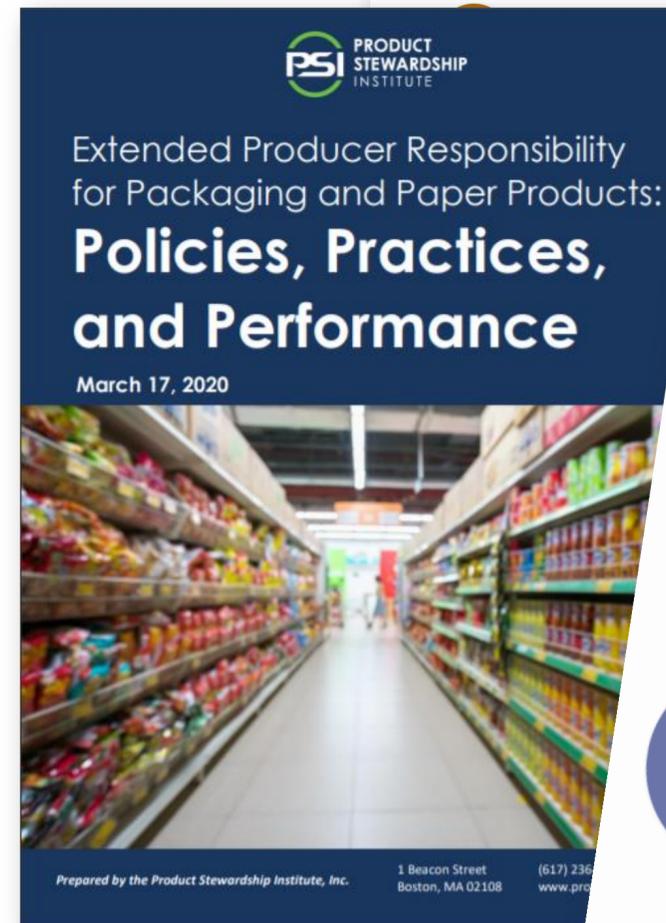
# PSI Resources

## Packaging EPR Toolkit

[productstewardship.us/page/PackagingEPR](https://productstewardship.us/page/PackagingEPR)

## EPR for PPP Report

[productstewardship.us/page/epr-for-ppp-policies-practices-performance](https://productstewardship.us/page/epr-for-ppp-policies-practices-performance)

**PRODUCT  
STEWARDSHIP  
INSTITUTE**

Extended Producer Responsibility  
for Packaging and Paper Products:  
**Policies, Practices,  
and Performance**

March 17, 2020

Prepared by the Product Stewardship Institute, Inc. 1 Beacon Street Boston, MA 02108 (617) 236-1100 www.productstewardship.us



# Questions?



# Next Steps

- Stay tuned for EPA R7 Project Pilot Launch
  - Assist with promo as requested
- Next Quarterly Call: April/May 2022



# Thank You!

## Sydney Harris

Policy and Programs Manager,  
Product Stewardship Institute  
[sydneyh@productstewardship.us](mailto:sydneyh@productstewardship.us)

## Brendan Adamczyk

Associate for Policy and Programs,  
Product Stewardship Institute  
[brendan@productstewardship.us](mailto:brendan@productstewardship.us)

## Jessica Watson

Executive Director, earthday365  
[director@earthday-365.org](mailto:director@earthday-365.org)

## Bob Henkel

Program Director, earthday365  
[bob@earthday-365.org](mailto:bob@earthday-365.org)

[www.productstewardship.us](http://www.productstewardship.us)

<https://earthday-365.org/>

[www.missouripsc.org](http://www.missouripsc.org)