

JOINT LEGISLATIVE COMMISSION TO STUDY AND PROVIDE RECOMMENDATIONS TO PROTECT OUR ENVIRONMENT AND NATURAL RESOURCES FROM PLASTIC BOTTLE WASTE

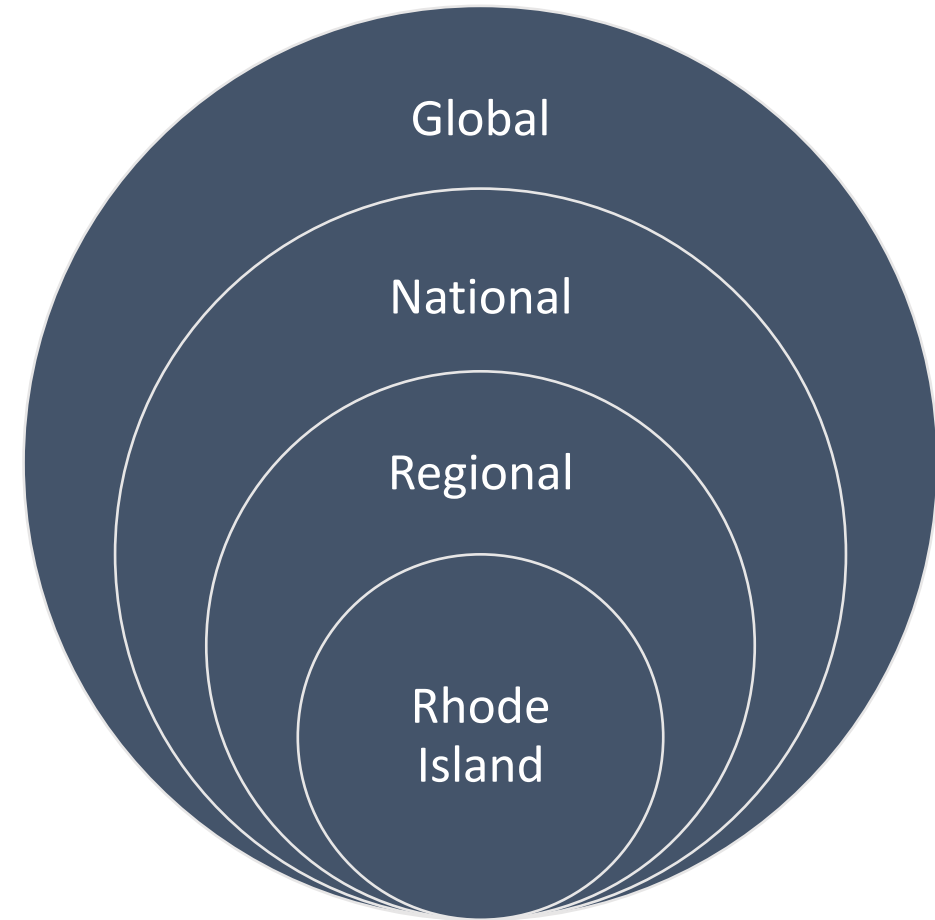
Presentation by:

Rhode Island Department of Environmental Management

October 23, 2023

1. Trends and Incentives

- **Current Initiatives**
- **Development of PCR Markets**
- **Recycling Content Technologies**
- **Procurement Practices and Incentives**



2. Opportunities for modernization

- **Title 23 - 23-18.12 Beverage Container Recyclability (1989)**
- **Title 23 - 23-18.15 Plastic Bottle and Container Labeling Act (1990)**
- **Title 23 - 23-38 Degradable Connectors and Non-Detachable Metal Openers (1987)**
- **Title 21 - 27 - Plastic Recycling and Litter Act (1988)**

3. Building blocks

- **Product Stewardship**
- **Extended Producer Responsibility**
- **Producer Responsibility Organization**

• RI EPR Laws	Material (Created)	Statute	Producer Responsibility Organization
	Mercury (2001)	Title 23 - Chapter 23-24.9	Thermostat Recycling Corporation
	Electronic Waste (2006)	Title 23 - Chapter 23-24.10	Four Available Programs
	Paint (2012)	Title 23 - Chapter 23-24.12	Paint Care
	Mattress (2013)	Title 23 - Chapter 23-90	Mattress Recycling Council

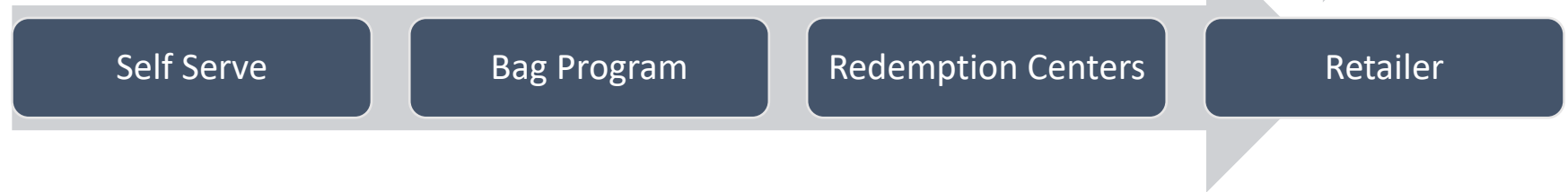
4. Bottle Bill Building Blocks

- Terminology

- Supply Entities

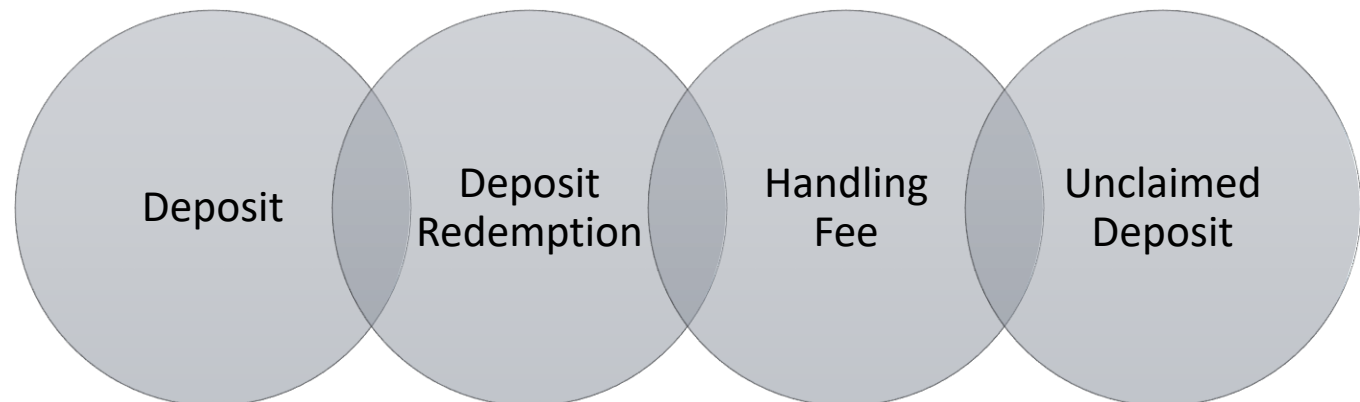


- Return Entities























- Financials

- Constraints



5. Bottle Bills in the United States

BOTTLE BILL FACT SHEET

State	Return Rate	Deposit Value	What's Included	Percent of Beverage Containers Sold Eligible for Deposit Refund
CALIFORNIA	62% (2020) 	5¢ < 24 ounces 10¢ ≥ 24 ounces	Beer, soda, all other non-alcoholic beverages, wine coolers, distilled spirits coolers	87% 
CONNECTICUT	44% (2020) 	5¢	Beer, soda, sparkling water, bottled water, flavored water	77% 
HAWAII	62% (2019) 	5¢	Beer, soda, sparkling water, all other non-alcoholic beverages, wine coolers, distilled spirits coolers	88% 
IOWA	65% (2016) 	5¢	Beer, soda, mineral water, wine coolers, wine, liquor	65% 
MAINE	84% (2017) 	15¢ Wine & Liquor ≥ 50 mL 5¢ All others	All beverages except dairy products and unprocessed cider	91% 
MASSACHUSETTS	43% (2020) 	5¢	Beer, soda, mineral water	42% 
MICHIGAN	89% (2019) 	10¢	Beer, soda, mineral water, kombucha, wine coolers, distilled spirits coolers	57% 
NEW YORK	64% (2020) 	5¢	Beer, soda, mineral water, bottled water, flavored water, wine coolers	78% 
OREGON	86% (2019) 	10¢	All beverages except wine, distilled liquor, dairy and plant-based milk and infant formula	88% 
VERMONT	77% (2020) 	15¢ Liquor 15¢ 5¢ All others 5¢	Beer, soda, mineral water, wine coolers, liquor	48% 

Handling Fee (Courtesy of © Container Recycling Institute, 2022)

Handling Fee of \$0.00950 per container paid to handling fee sites only. Processing payments for glass, PET, and HDPE average \$0.009 per container to redemption centers, curbside programs and other programs. All RCs and programs also keep revenue from scrap sales.

Beer: 2.5¢ Other beverages: 3.5¢ Liquor "nips" have 5¢ sales fee

Variable fees, effective 7-1-21: aluminum & bi-metal: 3.4¢ glass 8.1¢, plastic 4¢ RCs also keep revenue from scrap sales.

1¢

4.5¢

Redemption centers: 3.25¢ Retailers: 2.25¢

None. No redemption centers.

3.5¢

None; Co-op funds redemption centers in partnership with retailers.

Brand-sorted containers: 4¢ Commingled brands: 3.5¢