



Product Stewardship for Household Hazardous Waste Stakeholder Meeting #1



1/25/2016

Metro Regional Center



Metro | *People places. Open spaces.*



Background Information

Overview of:

- Household Hazardous Waste (HHW)
- Extended producer responsibility (EPR)
- Oregon HB 3251-1

Household Hazardous Waste (HHW)

- Health & Environmental Impacts
- Public Sector Response
- HHW Infrastructure in Oregon

Health & Environmental Impacts



- *May be: flammable, corrosive, reactive, poisonous*
- *Long term storage in the home may result in:*
 - *poisoning*
 - *fires*
- *Disposal in the solid waste system may result in:*
 - *exposures to solid waste workers*
 - *damage to trucks & waste processing equipment*
 - *releases to the environment*



Public Sector response to HHW

- 1976:** RCRA, Cradle-to-grave regulation of hazardous waste
- 1980:** EPA confirms blanket exemption for waste from households
- 1981:** First HHW collection event (Kentucky)
- 1982:** First HHW collection in Oregon (Gresham)
- 1986:** Metro, Lane County sponsor HHW events

HHW Collection Events

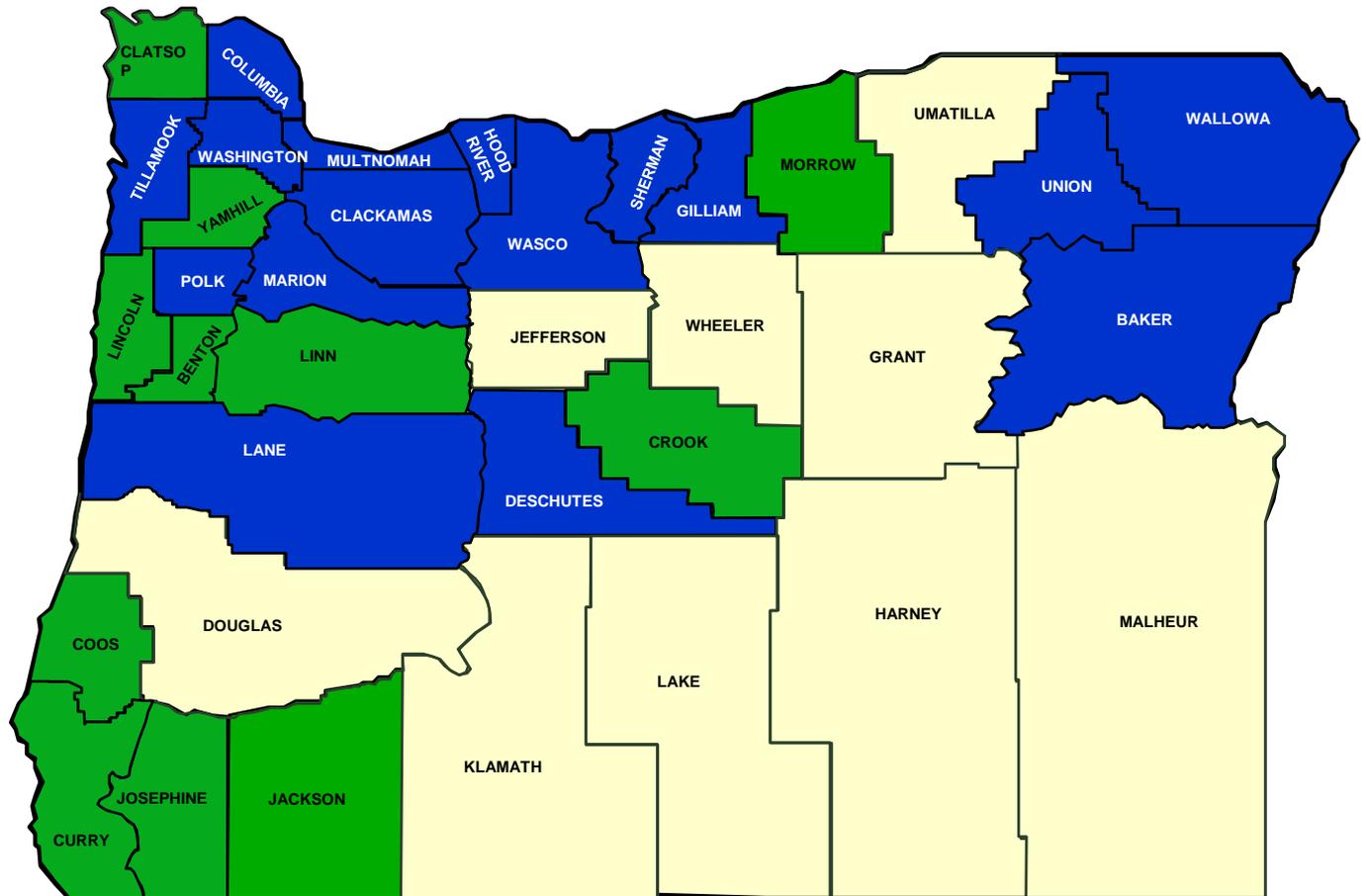


Permanent Facilities



Current Oregon Household Hazardous Waste Collection Service

-  HHW Facility Access
-  Local Events Only





Metro's HHW Program

2015

59,631 total customers

30,418 Metro South HHW Facility

18,804 Metro Central HHW Facility

9,458 Roundup program

951 Small business "CEG" customers

About **4 million** pounds of waste handled

Metro's HHW Program

Latex Paint	38%
Solvents & flammables	18%
Oil-based paint	8%
Pesticides & Fertilizers	7%
Motor Oil, Car Batteries, Antifreeze	6%
Cleaners & water-based wastes	5%
Aerosols	5%
Acids, bases and oxidizers	4%
Household batteries	3%
Mercury-containing lamps	1%
Miscellaneous	3%

misc. includes: asbestos, propane & gas cylinders, reactives & organic peroxides, ammunition/explosives, radioactives, sharps, PCB-containing items

How much HHW is collected?

How much not?

- Currently **8.4 million pounds/yr** collected
 - All products from all OR local government programs
 - About *half* is paint & is covered by PaintCare
- Proposed new EPR program
 - About *half* of the non-paint products currently collected would be newly covered - about **2.1 million pounds/yr**
 - Estimate that less than *half* of those products are getting collected – so new EPR program would aim to get at those **2.3 million pounds/yr**

What is Extended Producer Responsibility (EPR)?

How can it be used for HHW?

- EPR - key elements
- EPR for HHW in Canada
- HB 3251-1 for Oregon



EPR - Extended Producer Responsibility

- *A manufacturer's responsibility for its product extends to post-consumer management of that product*
- *Financial and management responsibility, with government oversight, shifts upstream to the manufacturer and away from the public sector*
- *Provides incentives to producers to incorporate environmental considerations into the design of their products and packaging*



EPR - Extended Producer Responsibility

- Sell product into the state – have a plan to manage it's end-of-life
- Manufacturers organize and finance plans but have flexibility in doing so
- Performance driven – targets, goals, convenience standards; government oversight

Why EPR for HHW?

- Public sector has taken responsibility for HHW – time for industry to share that
 - Fair and appropriate
- Existing programs are doing a valiant job but:
 - Resources are limited
 - More collection needed to protect public health and environment

Why EPR for HHW?

- It's easy to buy these products, make it easy properly dispose of them
- EPR has increased recycling of e-waste under Oregon E-Cycles
- EPR has increased paint recycling under the Oregon PaintCare program
- EPR for HHW can benefit urban, rural, both large & small HHW programs in the state

Canadian programs





High Level Overview of HB 3251-1 EPR – Key Elements

- Sell product into the state – have a plan to manage it's end-of-life
- Manufacturers organize and finance plans but have flexibility in doing so
- Performance driven – targets, goals, convenience standards; government oversight



High Level Overview of HB 3251-1

- What products being sold into the state will be covered?
- How can manufacturers organize and finance their stewardship plans?
- How will the plans build on the current HHW infrastructure?

High Level Overview of HB 3251-1

- Product scope
 - Covered – flammables, pesticides, toxics, corrosives, reactives
 - Not covered – pharmaceuticals, batteries, mercury containing products (thermostats, lamps), sharps
- Program organization & financing
 - Manufacturers choose how represented by stewardship organizations
 - Stewardship organizations decide within themselves how to apportion costs – no state approved fees
- Performance
 - Ensure health, safety and environmental protection
 - Go beyond where at today



- **BREAK**



Metro's Proposed Approach EPR for HHW HB 3251-1

Key elements

- Scope of covered products
- Program organization & financing
- Program performance

For each element:

- Intention
- Concept employed
- Key bill language

HB 3252-1

Product Scope

- Intent
 - Cover higher hazard, costly to manage
 - Not appropriate to return to retail
- Legislative concept (*Sec. 2(a),(b)*)
 - Covered: flammables, pesticides, toxics, corrosives, reactives
 - Not covered: pharmaceuticals, batteries, mercury containing products (thermostats, lamps), sharps
 - Sold to households

HB 3252-1

Product Scope

Any product offered for retail sale for household use that meets any of the following:

- The physical properties of the product meet the criteria for RCRA characteristic wastes . . .
- The physical properties of the product meet the criteria for US DOT Hazardous Materials. . .
- The product requires registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Section 2. (2) (a)

HB 3252-1

Program Organization & Financing

- Intent
 - Manufacturers represented by stewardship organizations (SO \ PROs) *(Sec. 3 & 4)*
 - PROs decide within themselves how to apportion costs – no state approved fees
- Legislative concept
 - Manufacturers submit plans *(sec. 5)* on how meet requirements & collection targets *(Sec. 6. (3) (4))*

HB 3252-1

Program Performance

- Intent
 - Build on current success
 - Increase what's collected
- Legislative concept
 - Ensure environmentally sound management of HHW (Sec. 2 (3))
 - HHW infrastructure (Sec. 11)
 - Establish collection standards (Sec. 5. (f)) and performance targets (Sec. 6 (3)(4))

HB 3252-1

Product Scope - discussion

- Is the intent and approach understandable?
 - Will manufacturers know which of their products are covered?
 - Will existing HHW programs be able to work with this approach?
- Concerns or suggestions?



HB 3252-1

Program Organization & Financing - discussion

- Is the intent and approach understandable regarding:
 - Obligations of manufacturers to join stewardship organizations
 - Stewardship organizations collect funds from members – no state approved fees
- Concerns or suggestions?

HB 3252-1

Program Performance - discussion

- Is the intent and approach understandable regarding:
 - How environmentally sound management of HHW will be ensured
 - Building on current performance
 - Ensuring services statewide
- Concerns or suggestions?

Next Steps

- Questions and concerns coming out of today
- Topics for next meeting
- Date for next meeting

Questions

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