Water Quality Protection Through Extended Producer Responsibility

July 20, 2018
Overview of Update

- Who is CPSC
- What is EPR
- History of EPR
- Options for Local & State Government
- Partnership Projects
- Next Steps
NSAC'S VISION
The United States attains a circular economy

www.nsaction.us
CPSC Partners  (6/20/18)

Platinum Partners

• Edgar Institute
• Recology

Gold Partners

• California Refuse Recycling Council
• California Resource Recovery Association
• Green Cities California
CPSC Partners (6/20/18)

Silver Partners

- CalRecycle*
- Carton Council
- Product Care Association
- Waste Connections, Inc.

Bronze Partners

- CA Assoc. of Recycling Market Development Zones
- Blue Marble Materials
- Ecology Action
- Peninsula Packaging Company, LLC
- Potential Industries Inc.
- R3 Consulting
- Gaiaca
- Zanker Recycling

* CalRecycle has not signed the CPSC Pledge, since this would be inappropriate for a State agency, but is a partner and financial supporter of CPSC.
To shift California’s product waste management system from one focused on government funded and ratepayer financed waste diversion to one that relies on producer responsibility in order to reduce public costs and drive improvements in product design that promote environmental sustainability.
### WHAT IS EPR?

Funding and Structures Vary Widely!

#### EPR/Product Stewardship Spectrum

<table>
<thead>
<tr>
<th>Thermostats</th>
<th>Rechargeable Batteries</th>
<th>CA Bottle Bill</th>
<th>Carpet Paint Mattresses</th>
<th>Tires</th>
<th>eWaste</th>
<th>1 Lb Refillable Propane Cylinders</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ag Pesticide Containers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Producers, Retailers, &amp; Local Government</td>
</tr>
<tr>
<td>Recalled Products</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Retailers, Facilities, Local Government, &amp; Consumers</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Producers, Retailers, &amp; Local Government</th>
<th>Extended Producer Responsibility</th>
<th>Product Stewardship</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% Industry Funded</td>
<td>Very Little (if any) Industry Funding</td>
<td></td>
</tr>
</tbody>
</table>
What is Extended Producer Responsibility?

Strategic Directives

CalRecycle will...

• “Seek statutory authority to foster cradle-to-cradle producer responsibility.”

• “Develop relationships with stakeholders that result in producer-financed and producer-managed systems”
What Does EPR Really Mean?

Extended Producer Responsibility (EPR) is an environmental and economic management policy widely used around the world.

- Costs shift from government to product producers and users
- Manufacturers design, fund, promote & manage their products at the end-of-life
- Programs recycle and/or safely dispose unwanted products
- Efficient and cohesive privately managed systems
- Governments role is setting performance goals, and ensuring transparency, accountability and oversight
California EPR Legislation 2008-2018

1. Ag Pesticide Containers
2. Recalled Products Take-Back
3. Mercury Thermostat
4. Green Chemistry
5. Paint
7. Brake Pads
8. Mattresses (Gov. Brown)
9. SB 212 Meds and Sharps?

Governor Schwarzenegger called AB 1879 “the most comprehensive Green Chemistry program ever established” and added that it “puts an end to the less effective chemical-by-chemical ban of the past.”
Our Focus: Hazardous Products With No Market

- Batteries
- Medical waste
- Propane cylinders
- Tobacco waste
- And others!
Products of Interest for Water

- Meds/ Sharps
- Flushable Wipes
- Brake Pads (copper)
- Tires (zinc)
- Mercury products
- Trash
- Tobacco litter

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Meds & Sharps: The Perfect Storm

- Many Supporters
- Environmental & Public Health Issue
- Prescription Drug Abuse – Epidemic
- Child, Senior & Pet Poisonings
- Cost of Healthcare Debate
- Needle Sticks of Solid Waste & Wastewater Plant workers, needles on beach!
**Epidemic: Responding to America’s Prescription Drug Abuse Crisis**

**2014 National Drug Control Strategy:**

1. Education of health providers and the public.
2. Expand prescription monitoring programs.
3. Safe drug disposal – increase return/take-back and disposal programs.
4. Effective enforcement to address “pill mills” and “doctor shopping.”
Medication Disposal: EPR in Other Countries

Producer Responsibility for medications is widely used in Canada and Europe for almost 20 years and is working well!

North America:

- Canada - Health Products Stewardship Association
  www.healthsteward.ca/
  • Provinces: British Columbia, Manitoba, Nova Scotia, Ontario, Prince Edward Island, & Saskatchewan ("transitional" EPR)
- Mexico - SINGREM www.singrem.org.mx/
Medication Disposal: How is it Done in Other Countries? (cont.)

• South America:
  – Brazil – DESCARTE CONSCIENTE  
    www.bhsbrasil.com.br/descarteconsciente/home.htm
  – Colombia – PUNTO AZUL  http://puntoazul.com.co/

• Europe:
  – Belgium – BONUSAGE  www.bonusage.be/
  – France – CYCLAMED  www.cyclamed.org/en
  – Hungary – RECYCLOMED  www.recyclomed.hu/
  – Portugal – SIGREM/VALORMED  www.valormed.pt/
Canadian Health Products Stewardship Association

- Industry Designs and Oversees Program
- 100% Industry Funded
- Report to Government
- BC, Manitoba, Ontario
- Nova Scotia in 2015

http://www.healthsteward.ca

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Facts and Outcomes
Ontario, Canada EPR Program

- Ontario Regs. EPR for meds/sharps (updated 7/19/18)
  - >90% Voluntary pharmacy participation - met regulated goal year 2 - 3,400 pharmacies!
  - Provided 200,000 free sharps containers
  - Collected 321 T medications and 322 T sharps in just 2017
  - Did not increase costs to consumers!
Focused on Data Collection: Making the Case for EPR
The Disposal Problem- Medication

Medications Are Improperly:

- Stored– potential for misuse & abuse
- Disposed - flushing/trashing

67% to 92% of patients reported unused opioids

Bicket et al. (November 2017)
The Disposal Problem - Sharps

Sharps are Improperly:

- Stored – potential for exposure
- Disposed - flushing/trashing

Example: City of Sacramento spent $50,000 installing a grinder in public restrooms clogged by needles

San Francisco: Needles in the Street

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City of Roseville
Survey of Residents

2014 Residential Customer Telephone Tracking Survey
For
Environmental Utilities
Prepared by: Dawn Morley
January 2014
Key Survey Findings Meds (cont.)

The vast majority of respondents support the concept of a take-back program, with a total **86% of respondents saying they would be likely to use it.**

![Figure 33](image)

**Figure 33**

Likelihood to Use Pharmaceutical Drop-Off Site (excluding undecided responses)

- Very likely: 65%
- Somewhat likely: 21%
- Not at all likely: 14%
Respondents were asked “If a medication take-back program were to be established, how do you think it should be funded?” Responses were categorized into the following:

Table 9

<table>
<thead>
<tr>
<th>HOW SHOULD A TAKE BACK PROGRAM BE FUNDED?</th>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drug manufacturing companies</td>
<td>32%</td>
</tr>
<tr>
<td>Shared cost by all parties</td>
<td>32%</td>
</tr>
<tr>
<td>Local pharmacies and hospitals</td>
<td>8%</td>
</tr>
<tr>
<td>Users via surcharge added to monthly bill</td>
<td>5%</td>
</tr>
<tr>
<td>Other – it should be free</td>
<td>1%</td>
</tr>
<tr>
<td>Other – charge the user (at the time)</td>
<td>2%</td>
</tr>
<tr>
<td>Other – unable to categorize</td>
<td>2%</td>
</tr>
<tr>
<td>Don’t know</td>
<td>18%</td>
</tr>
</tbody>
</table>
21% of respondents claimed they had unused medication at home not intended for use.
Drugs and Sharps: Public Education is Critical!
Local News: KCRA 3

https://www.youtube.com/watch?v=7ce5L2N6Boc&t=87s
Billboards & Bus Ads

DON'T RUSH TO FLUSH
MEDS in the BIN. We All WIN!

www.DontRushToFlush.org

DISPOSAL LOCATIONS
PITTSBURG
ANTIOCH
BRENTWOOD

Hosted Bin Location at:
Sheriff's North Patrol Division
1310 Garfield Ave.
Social Media - Alameda Safe Meds

Want more convenient medicine and needle disposal options in Alameda County? Help by taking the Alameda County Unwanted Medication and Needle Disposal Consumer Survey.

Alameda County Safe Meds Community

www.facebook.com/AlamedaSafeMeds
https://twitter.com/AlCoSafeMeds

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NEW! Whiteboard Videos

20 seconds:
https://www.youtube.com/watch?v=5igKhN77W8s

90 seconds:
https://youtu.be/S9Z70WobqA
Option 1: Federal or State Legislation
Washington and New York States Pass Pharmaceutical EPR Laws

Washington State

Passes [Secure Drug Take Back Act](#) 3/22/18
- Passed with unanimous vote (49-0)
- First statewide drug take back program in the nation
- Does not cover collection of sharps

New York State

Passes [Drug Take Back Act](#) 7/11/18
- ALL pharmacies must participate
- Does not cover the collection of sharps

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SB 212 - Jackson (Santa Barbara)/Ting (San Francisco)/Gray (Stanislaus)

- SB 212 was amended on June 18, 2018 and referred to the Assembly Committee on Environmental Safety and Toxic Materials and passed with a 5-1 vote with one vote not recorded.

- It will next be heard in the Assembly Committee on Appropriations – date TBD.
Another Option: Local Legislation
When the state fails to act, local governments lead!

San Francisco Press Conference at Hospital

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County of Alameda 1\textsuperscript{st} EPR Ordinance in U.S. for Medicine!

* 7/24/2012 – Adopts first EPR ordinance for meds
* Industry challenged all the way to the U.S. Supreme Court
* 11/17/2015 – Adopts first EPR ordinance for sharps

Alameda County Supervisors Miley and Carson getting an award for Outstanding Policy Achievement from CPSC Director Heidi Sanborn
CA Meds/Sharps EPR Ordinances

1. Alameda County – meds 7/26/12, sharps 11/17/15
2. City & County of San Francisco – 3/26/15
3. San Mateo County – 4/28/15
5. Marin County – 8/11/15
6. Santa Cruz County (meds & sharps) – 12/8/15
7. Santa Barbara County – 6/21/16
8. City of Santa Cruz (meds & sharps) – 8/9/16
9. City of Capitola (meds & sharps) – 8/25/16
10. City of Scotts Valley (meds & sharps) – 12/7/16
11. Contra Costa County – 12/20/2016
12. San Luis Obispo (med & sharps) – 1/10/18
13. Tehama (meds & sharps) – 7/3/18
Another Option: Local EPR Transitional Programs Sharing Costs
Don’t Rush To Flush
Voluntary Transitional to EPR Campaign

www.DontRushToFlush.org
www.facebook.com/DontRushToFlush
www.twitter.com/DontRushToFlush

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Don’t Rush To Flush
Amador County– Three new bins

• $40 K Rose Foundation Grant – ends 12/2018
• Bin placed at Ione Police Department 01/2018 – First permanent collection location in the County!
• 1 more location to site
• Disposal costs covered by local organizations, Sutter Community Giving, County Supervisor

Presentation to Child Abuse Prevention Council & First 5 Amador (right)
Don’t Rush To Flush
San Joaquin County

• $200k Rose Foundation Grant – ends 12/2018
• 20 bins

Existing Locations:

STOCKTON
San Joaquin County Household Hazardous Waste Facility
7850 R.A. Bridgeford St.
Stockton, CA 95206
(209) 468-3066

Community Medical Center (Stockton)
701 E. Channel St.
Stockton, Ca 95202
(209) 944-4700

Community Medical Center (Stockton)
1031 Waterloo Rd.
Stockton, CA 95205
(209) 940-5500

Kaiser Permanente Pharmacy
7373 West Ln., 1st Floor
Stockton, CA 95210
(209) 476-3242

TRACY
Tracy Police Dept.
1000 Civic Center Dr.
Tracy, CA 95376
(209) 833-5500

ESCALON
Vineyard Pharmacy & Gifts
1800 McHenry Ave.
Suite #202
Escalon, CA 95320
(209) 833-0511

RIPON
City of Ripon Police Dept.
250 N. Wilma Ave.
Ripon, CA 95366
(209) 599-2101

LODI
Walgreens #2961
75 N. Ham Ln.
Lodi, CA 95240
(209) 369-8575

Lodi Police Dept.
215 Elm St.
Lodi, CA 95240
(209) 332-6727

Community Medical Center (Lodi)
2401 W. Turner Rd., Ste. 450
Lodi, Ca 95240
(209) 370-1700

MANTeca
Manteca Police Dept.
1001 W. Center St.
Manteca, CA 95337
(209) 239-8401

Community Medical Center (Manteca)
200 Cottage Ave., Suite #103
Manteca, CA 95336
(209) 624-5800

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DRTF Bin Locations

Screenshots of the DRTF map for the entire state and a close-up of the Bay Area
Other Voluntary Programs as a Result of all the PRESSURE!

• Walgreens Bins:
• CVS Bins
• Norvo Nordisk Take-back needles
• BD needle take-back program
• Walmart Dispose RX
• Rite Aid Announces New In-Store Safe Medication Disposal Program (6/1/18)
• Etc..!
Voluntary is Great, but...

• Needs to be done voluntarily!
• Needs to be effective and work!
• Often want a level playing field and need legislation to do it....
• That is the only time we have had harmonized EPR in the US – when industry leads and wants to transition from voluntary to harmonized state rules.
EPR is a marathon, not a sprint
Local Government Tools to Drive Local Policy Understanding & Support

1. Adopt EPR Resolution
2. EPR in Legislative Platform
3. EPR in Procurement Policies
4. EPR in Zero Waste and Solid Waste Planning Documents
5. Start a Product Stewardship Council
6. Fund an Existing PSC or Organization
7. Start Stewardship Arrow Awards

CPSC has examples of all of these – just email joanne@calpisc.org
What you can do to help

Like CPSC and Don’t Rush to Flush

Go to Dontrushtoflush.com to find a medicine collection bin near you. Share this information.

Email CPSC with any questions or to join their listserv: info@calpsc.org
Thank you for your support!

Joanne Brasch, PhD
Special Project Manager
916-706-3420

www.CalPSC.org

Connect!