



CPSC

**California Product
Stewardship Council** SM

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





CPSC Board/Organization



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Sacramento County



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CPSC Board/Organization



14 Member Board: <https://calpsc.org/about-us/meet-the-board-members/>



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Green Waste



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StopWaste



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NATIONAL STEWARDSHIP ACTION COUNCIL

ADVOCATING FOR A CIRCULAR ECONOMY

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



RECYCLING MARKET DEVELOPMENT ZONES



* 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.



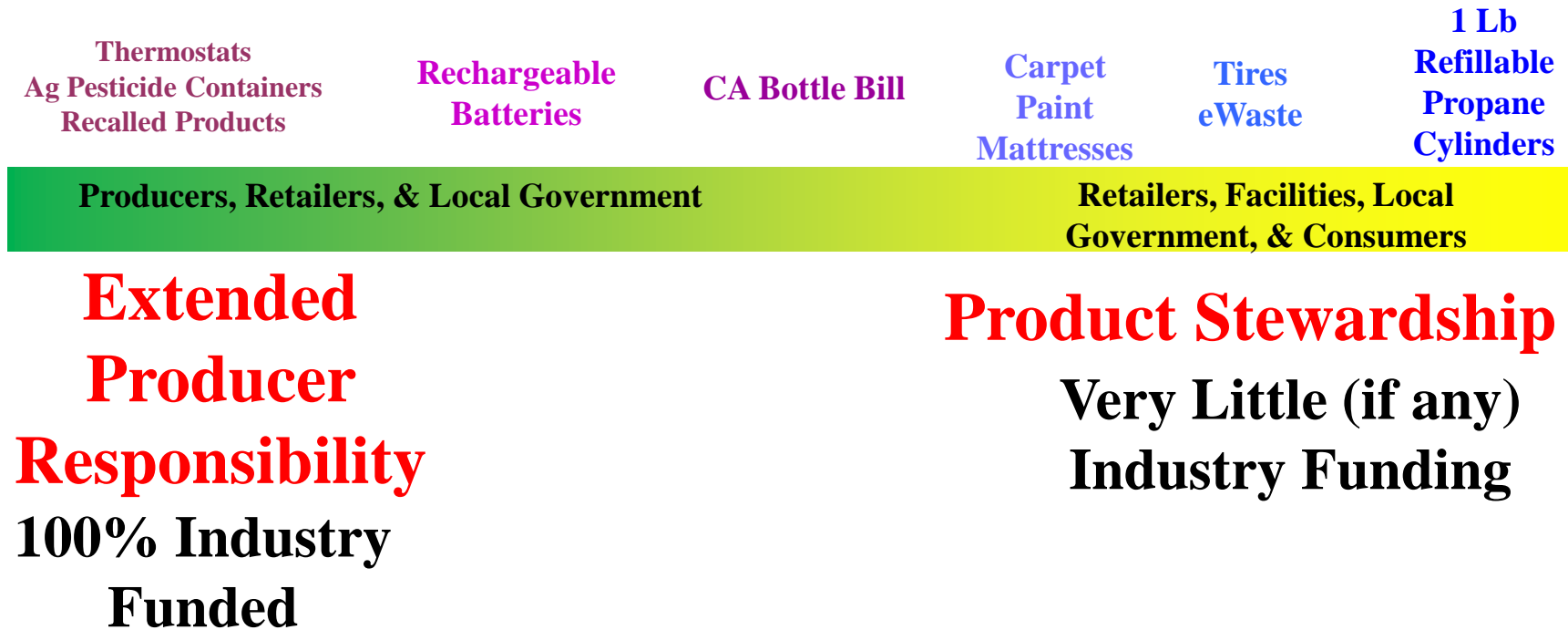
CPSC Mission – Goals of EPR

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



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



CPSC – Education on EPR!

Select Language



Batteries



Carpet



Lamps



Gas Cylinders



Green Chemistry



Mattresses



Packaging



Paint



Pharmaceuticals



Sharps



Thermostats

GET INVOLVED!

donate

Thank You!



Click Here to Watch Assembly Select



Local Gov't Perspective
Major Issues, Challenges, Opportunities

Pictured—Debbie Raphael, Director, San Francisco Department of the Environment

Committee on Waste Reduction Hearing 11-4-2015

California EPR Legislation 2008-2018

APPROVED

1. Ag Pesticide Containers
2. Recalled Products Take-Back
3. Mercury Thermostat
4. Green Chemistry
5. Paint
6. Carpet (2010 and 2017)
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



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/

- Spain – SIGRE www.sigre.es/en/



Canadian Health Products Stewardship Association



**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>



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

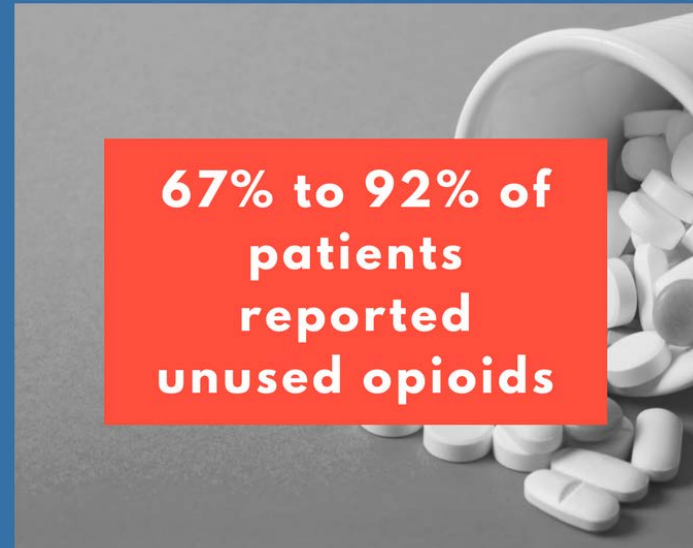
The Disposal Problem- Medication

Medications Are Improperly:

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



Journal of the American Medical Association



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



LONG BEACH
MARCH 5, 2018



City of Roseville Survey of Residents



**2014 Residential Customer Telephone Tracking Survey
For**

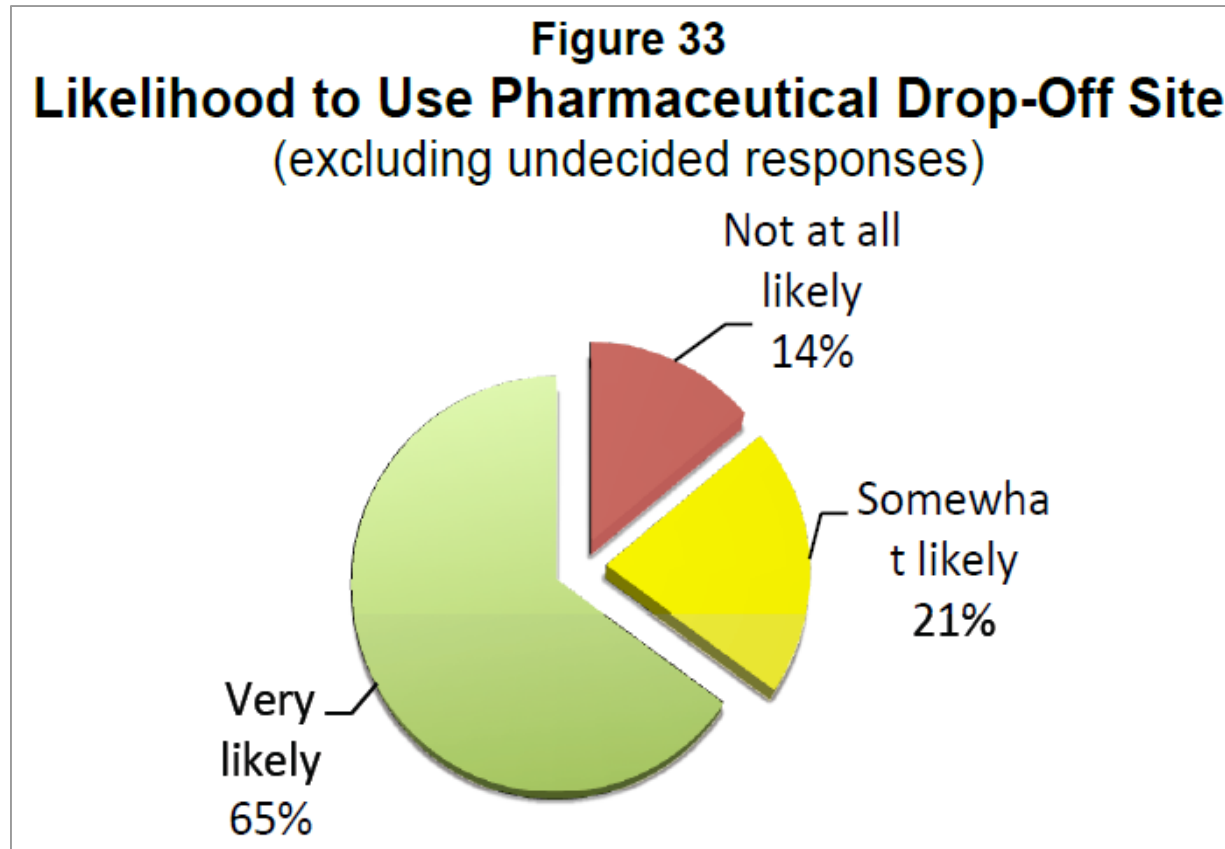
Environmental Utilities

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.**



Key Survey Findings Meds (cont.)

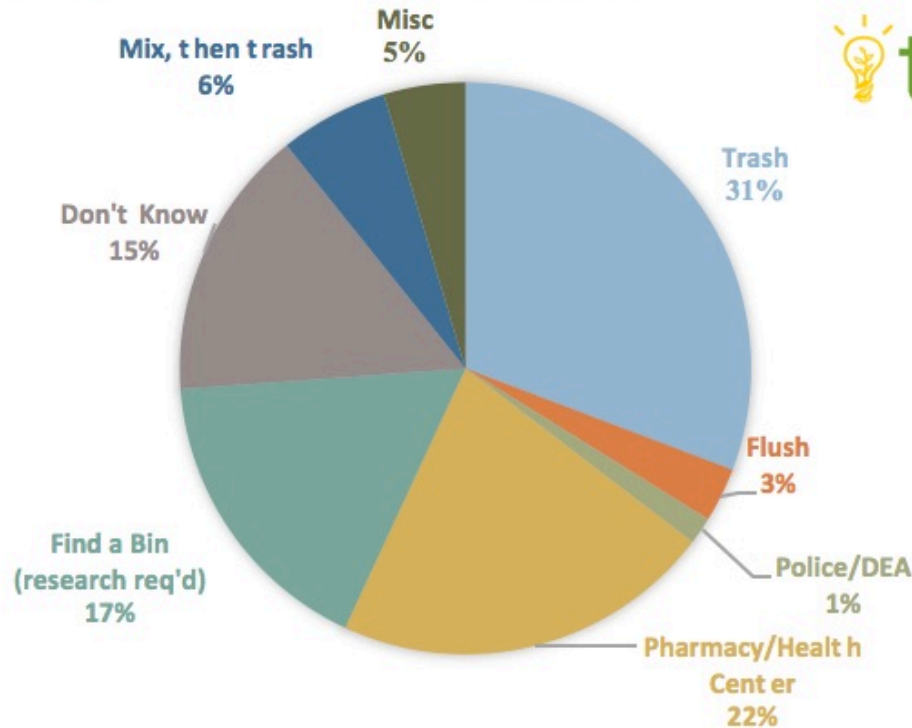
Respondents were asked *“If a medication take-back program were to be established, how do you think it should be funded?”* Responses were categorized into the following:

Table 9

HOW SHOULD A TAKE BACK PROGRAM BE FUNDED?	PERCENT
Drug manufacturing companies	32%
Shared cost by all parties	32%
Local pharmacies and hospitals	8%
Users via surcharge added to monthly bill	5%
Other – it should be free	1%
Other – charge the user (at the time)	2%
Other – unable to categorize	2%
Don't know	18%

UC Davis Safe Medicine Survey

UC DAVIS SURVEY RESPONDANT INDICATING THE BEST WAY TO DISPOSE OF UNWANTED/EXPIRED MEDICATION (66 RESPONDANTS)



21% of respondents claimed they had unused medication at home not intended for use.

Drugs and Sharps: Public Education is Critical!



**MEDICINE COLLECTION BIN
NOW OPERATIONAL**

**OPEN TO CAMPUS
COMMUNITY!**



Representatives from UCDDPD, SHCS, and TGIF commemorate the installation of the new medicine collection bin on campus at UC Davis



Co funded by:





Local News: KCRA 3



<https://www.youtube.com/watch?v=7ce5L2N6Boc&t=87s>

Billboards & Bus Ads





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

www.alameda.com/r/AlamedaMedsSharps

Alameda County Safe Meds Community

237 likes +14 this week

2,843 post reach this week

Write something...

www.facebook.com/AlamedaSafeMeds

<https://twitter.com/AlCoSafeMeds>

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Prescription for Change: News & Review Inserts

IS YOUR COUNTY NEXT?



What causes **MORE DEATHS** than motor vehicle accidents in Santa Clara County?

It Could Be in Your Medicine Cabinet

INSIDE:

- The problem of prescription drugs
- How they affect our health, safety and water quality
- What YOU can do about it

"It Could Be in Your Medicine Cabinet"
Santa Clara County
Spring 2016

IT AFFECTS US ALL

Prescription opioid abuse is a widespread problem – and Butte and Tehama counties are working on a solution.

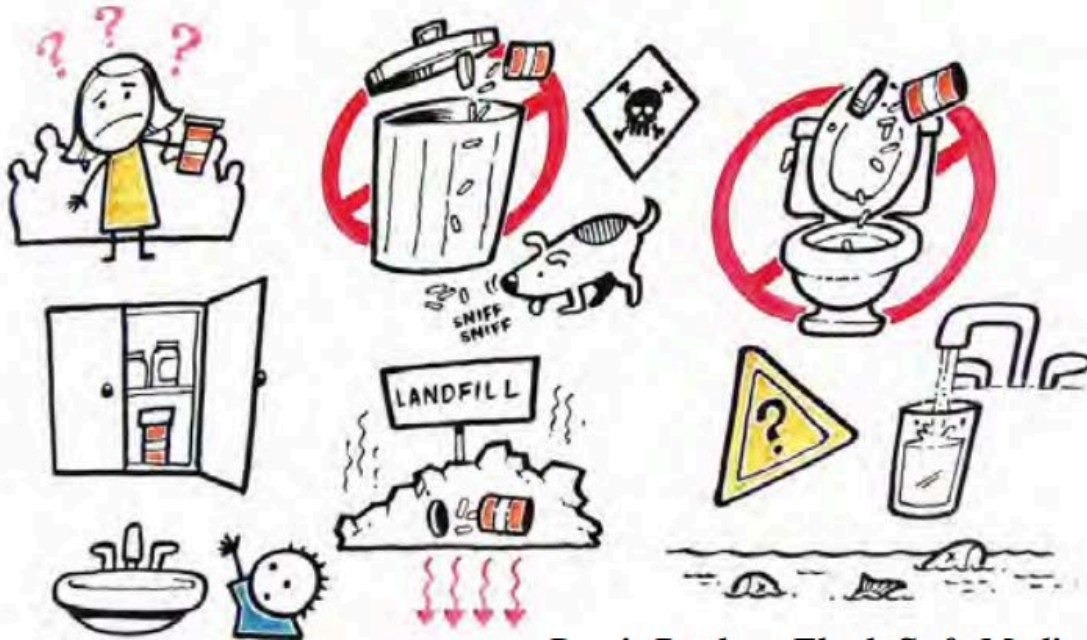
"It Affects Us All"
Butte and Tehama Counties
Fall 2016

Alameda County LEADS THE WAY

Join members from across our community who are working together to reduce demand for prescription medications and dispose of them safely.

"Alameda Leads the Way"
Alameda County
Spring 2016

NEW! Whiteboard Videos



20 seconds:

<https://www.youtube.com/watch?v=5igKhN77W8s>

90 seconds:

<https://youtu.be/S9Z70W0BbqA>



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



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

County of Alameda 1st 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
4. Santa Clara County – meds 6/23/15, sharps 2/27/18
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

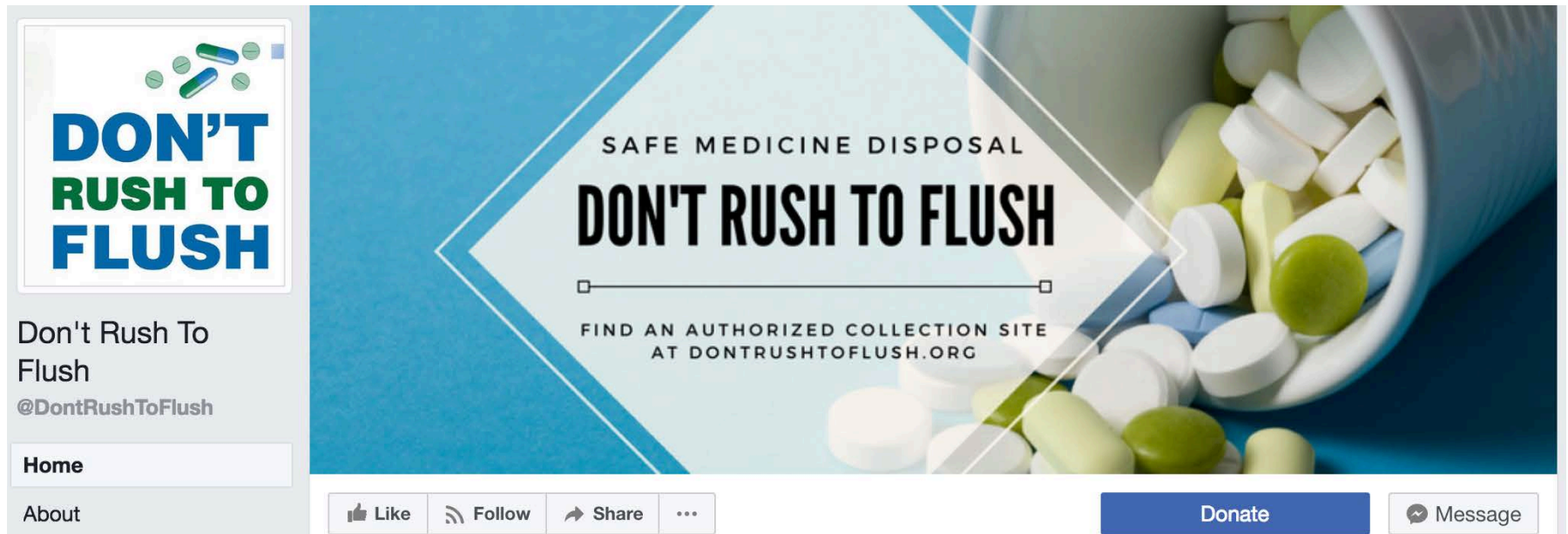


Another Option: Local EPR Transitional Programs

Sharing Costs

Don't Rush To Flush

Voluntary Transitional to EPR Campaign



DON'T RUSH TO FLUSH

SAFE MEDICINE DISPOSAL
DON'T RUSH TO FLUSH

FIND AN AUTHORIZED COLLECTION SITE
AT DONTRUSHTOFLUSH.ORG

Don't Rush To Flush
@DontRushToFlush

Home
About

Like Follow Share ...

Donate

Message

www.DontRushToFlush.org

www.facebook.com/DontRushToFlush

www.twitter.com/DontRushToFlush

Don't Rush To Flush

Amador County– Three new bins

- \$40 K Rose Foundation Grant – ends 12/2018
- Bin placed at Lone 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



Lone PD Med Bin
(above)



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

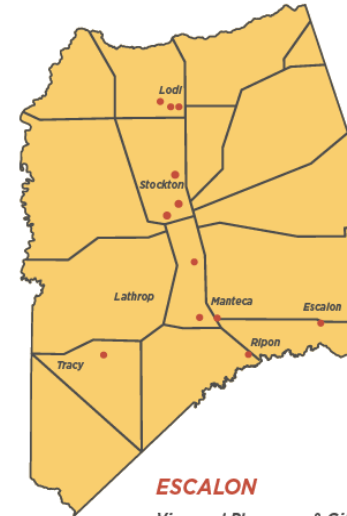
Community Medical Center (Stockton)
701 E. Channel St.
Stockton, Ca 95202
(209) 944-4700

Community Medical Center (Stockton)
1031 Waterloo Rd.
Stockton, CA 95205
(209) 940-5600

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) 831-6550



LODI

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

Lodi Police Dept.
215 Elm St.
Lodi, CA 95240
(209) 333-6727

Community Medical Center (Lodi)
2401 W. Turner Rd., Ste. 450
Lodi, Ca 95242
(209) 370-1700

MANTECA

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

ESCALON

Vineyard Pharmacy & Gifts
1900 McHenry Ave.
Suite #202
Escalon, CA 95320
(209) 838-0511

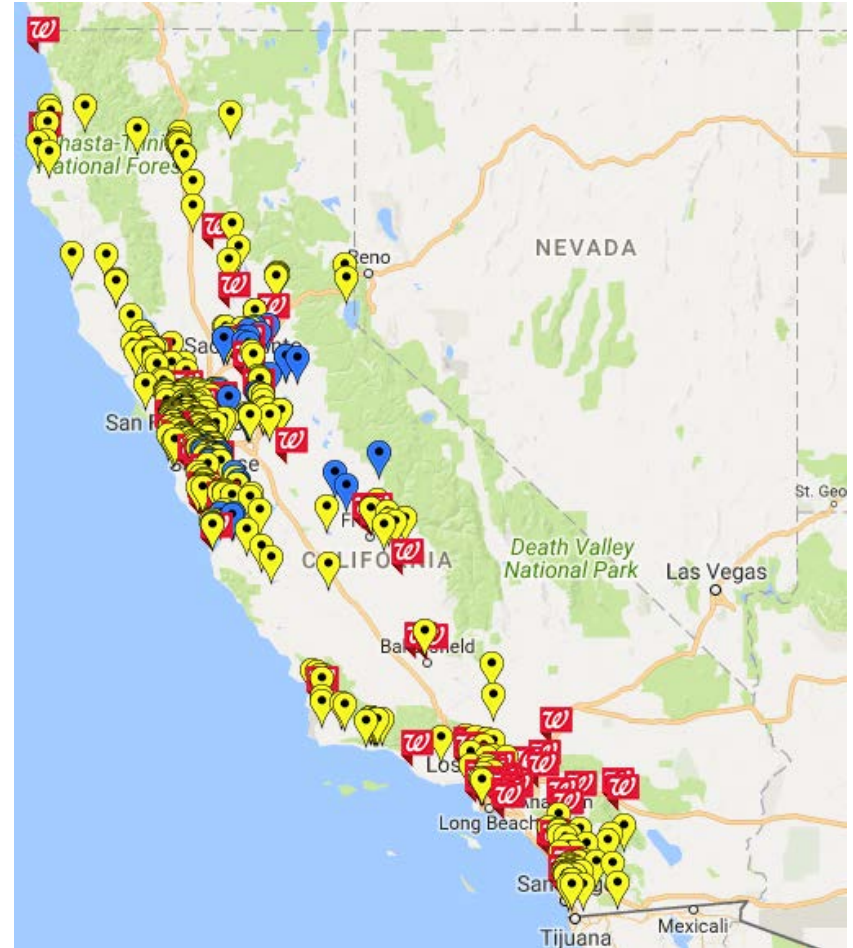
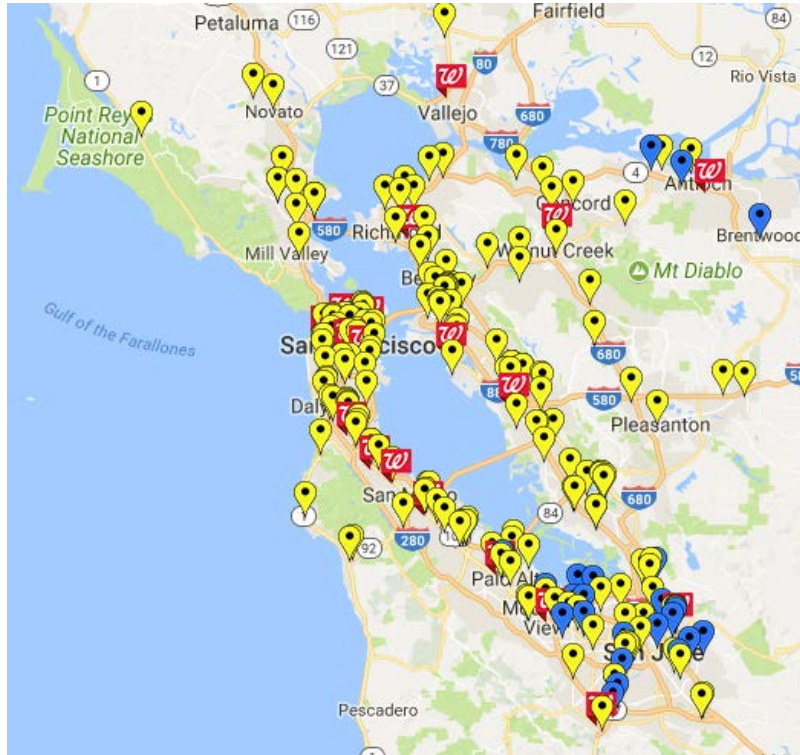
RIPON

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





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@calpsc.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.CaIPSC.org

Connect!

