

Household Hazardous Waste Program Discussion



Massachusetts
Department
of
ENVIRONMENTAL
PROTECTION

June 24, 2024

Meeting Agenda

- MassDEP
 - Program background and context
 - Current collection programs and market status
 - MassDEP grant, assistance, education and outreach programs
- Municipal Working Group
 - Municipal perspective and concerns
- Discussion on challenges and possible program recommendations & actions
- *Note: meeting will be recorded to help to capture discussion & input*

Background to this Meeting

- Why discuss these issues now?
 - Concerns with cost and management capacity
 - Identify what actions MassDEP and others can take to improve program efficiency & effectiveness
 - Rising presence of some materials in the waste and recycling streams (e.g., lithium batteries)

Solid Waste Master Plan Context

- Household Hazardous Waste/Products managed & regulated differently than hazardous waste from businesses
- Solid Waste Master Plan Goal: Continue to reduce toxicity of the waste stream by reducing & phasing out use of hazardous household products
- Historically addressed primarily through combination of grants, assistance to municipalities, and education and outreach

High-volume waste categories

- Auto waste
 - Oil, filters, anti-freeze, batteries
- Electronics
 - TVs, computers, etc.
- Propane tanks
- Lithium/nickel cadmium batteries
- Latex and oil-based paints
- Mercury products
 - Lamps, thermostats, thermometers, etc.

Low-volume waste categories

- Solvents/Adhesives
- Pesticides/Fertilizers/Weed Killers/Poisons
- Toxic cleaners
- Gasoline
- Chemicals (photo, chemistry, pool, etc)
- Flammable liquids
- Chlorine bleach/drain cleaners/oven and toilet cleaners
- Driveway sealer
- Art/hobby supplies

| Waste Category | % Households Served | % Population Served |
|------------------------|---------------------|---------------------|
| Waste/Used Engine Oil | 51% | 48% |
| Used Oil Filters | 29% | 28% |
| Auto Batteries | 45% | 43% |
| Auto Tires | 39% | 37% |
| Anti-freeze | 30% | 29% |
| Household Batteries | 56% | 53% |
| Lithium Batteries | 53% | 51% |
| TVs and Computers | 62% | 58% |
| Other Electronics | 56% | 52% |
| Propane Tanks (1 lb) | 43% | 42% |
| Propane Tanks (20 lbs) | 42% | 41% |
| Latex Paint | 35% | 33% |
| Oil Based Paint | 36% | 33% |
| Fluorescent Lamps/CFLs | 55% | 53% |
| Thermostats | 66% | 63% |
| Thermometers | 66% | 63% |
| Other Hg products | 66% | 62% |
| Sharps | 69% | 65% |
| Fire Extinguishers | 36% | 35% |

| Collection type | # of Municipalities | % Households | % of Population |
|-------------------------------------|---------------------|--------------|-----------------|
| One-day events and Regional Centers | 183 | 82% | 78% |

Municipal collection programs include one-day and regional center events and permanent center options.

Total households in MA: **2,660,637**

Population in MA: **6,984,205 people**

Municipal Program Support: Grants

SMRP: Equipment and Capacity Building

- HHW Regional Permanent Collection Centers
 - Devens, Barnstable County, SSRC- \$475K awarded
 - 2024 expansion for permanent collection centers:
 - up to \$250K for regional collection
 - up to \$50K for Individual Muni
- Universal Waste sheds (not including 2024 cycle)
 - 121 municipalities awarded
 - \$176K value
- Paint Sheds and Used Motor Oil Collection Tanks (previous offerings)
 - 39 paint sheds granted in 1995
 - 132 oil collection tanks awarded from 1995-2002



Recycling Dividends Program (RDP)

Best Practices Framework & Incentives

➤ Earn points for programs implemented (valued at \$245-10K per point)

- HHW Category (2020-2023)
 - 185 municipalities have earned points in this category
 - \$1,477,475 awarded
- DEI Category:
 - Multilingual guides for proper handling of HHW
 - Reduced costs for HHW collection events for low-income residents, or residents experiencing other hardships
- Approved Use of Funds (2020-2023)
 - 52 munis claimed \$1,025,000 in expenditures of awarded funds in the Toxics Reduction category
 - ALSO allows: Transportation, processing, and/or management costs for CHARM items: automotive waste, household batteries, mercury bearing products, and paint



Municipal Program Support: Technical Assistance



MACs

- Assistance with coordinating:
 - Regional Events and Reciprocal Agreements
 - 10 regional groups across the state
 - Representing 173 municipalities (2022)
 - CHARM- expanded access
 - Supporting access to residents not served by the municipal program, small businesses, and/or residents from neighboring municipalities
- TA available to support regional program planning and coordination

Education and Outreach

- [Beyond the Bin](#)
- [MassDEP Interactive Map](#)

Beyond the Bin^{MA}



Additional Resources

- Material Separation Plans
 - 5 largest waste combustors: plan to divert mercury bearing materials from MSW
 - 136 municipalities with disposal contracts
 - Require direct support for mercury collection from contract communities
- Statewide Contract
 - FAC110 through June 2025
 - Covers HHW events, facility collection, Universal Waste
- Call2Recycle and Thermostat Recycling Corp.
 - Collection opportunities for rechargeable batteries and thermostats



Relevant Program Links

- <https://www.mass.gov/how-to/apply-for-a-sustainable-materials-recovery-program-smrp-municipal-grant>
- <https://www.mass.gov/how-to/apply-for-smrp-recycling-dividends-program-funds>
- <https://www.mass.gov/guides/massdep-municipal-assistance-coordinators>
- <https://recyclesmartma.org/beyond-the-bin-search/>
- <https://www.mass.gov/guides/massdep-mercury-information>

Relevant Program Links

- <https://www.mass.gov/doc/fac110/download>
- <https://recyclesmartma.org/>
- <https://www.mass.gov/doc/recycling-market-development-action-plan-february-2024/download>
- <https://www.nedt.org/>