

Household Hazardous Waste Program Update



Delta Household
Hazardous Waste
Collection Facility

Delta Diablo Board of Directors Meeting
October 18, 2023

HHW Program History & Partners

- AB 939 (Integrated Waste Management Act of 1989) requires cities and counties to prepare, adopt, and implement an HHW Element that details a program dedicated to collection, recycling, treatment, and disposal of residential HHW
- Contra Costa County originally implemented HHW Element and partnered with various jurisdictions (Delta Diablo, Central San, and West County Integrated Waste Management Authority) to provide HHW collection services
- District determined there was a nexus between HHW services and pollution prevention requirements and chose to be lead agency in development of a comprehensive HHW program for east Contra Costa County



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HHW Program Components

- Delta Household Hazardous Waste Collection Facility
 - Open Thu, Fri, Sat from 9 AM to 4 PM
- Three one-day temporary collection events
 - Oakley, Discovery Bay, Brentwood
- Retail partnerships
 - Fluorescent bulbs, sharps, medication

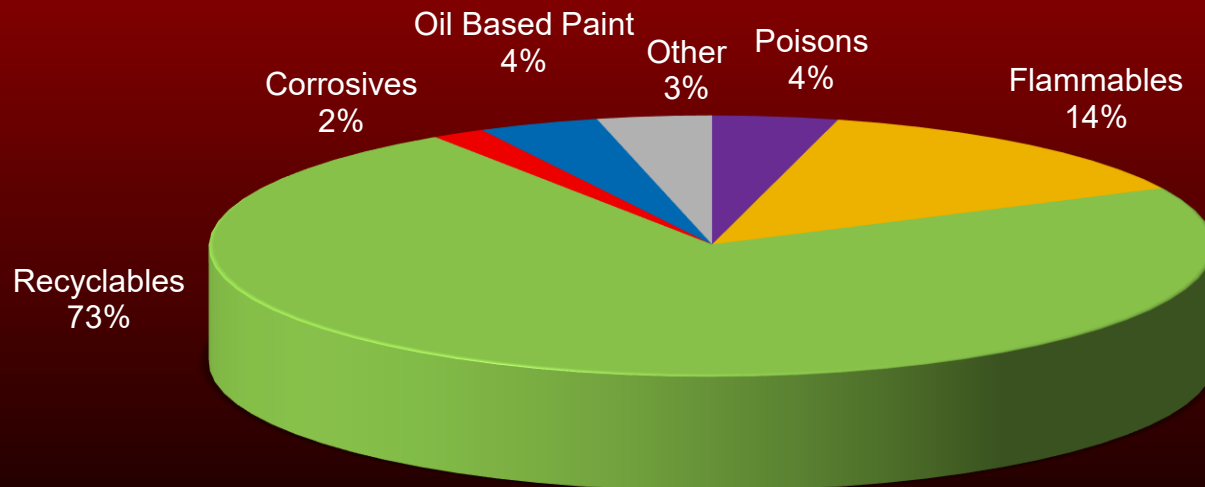




FY22/23 HHW Program Summary

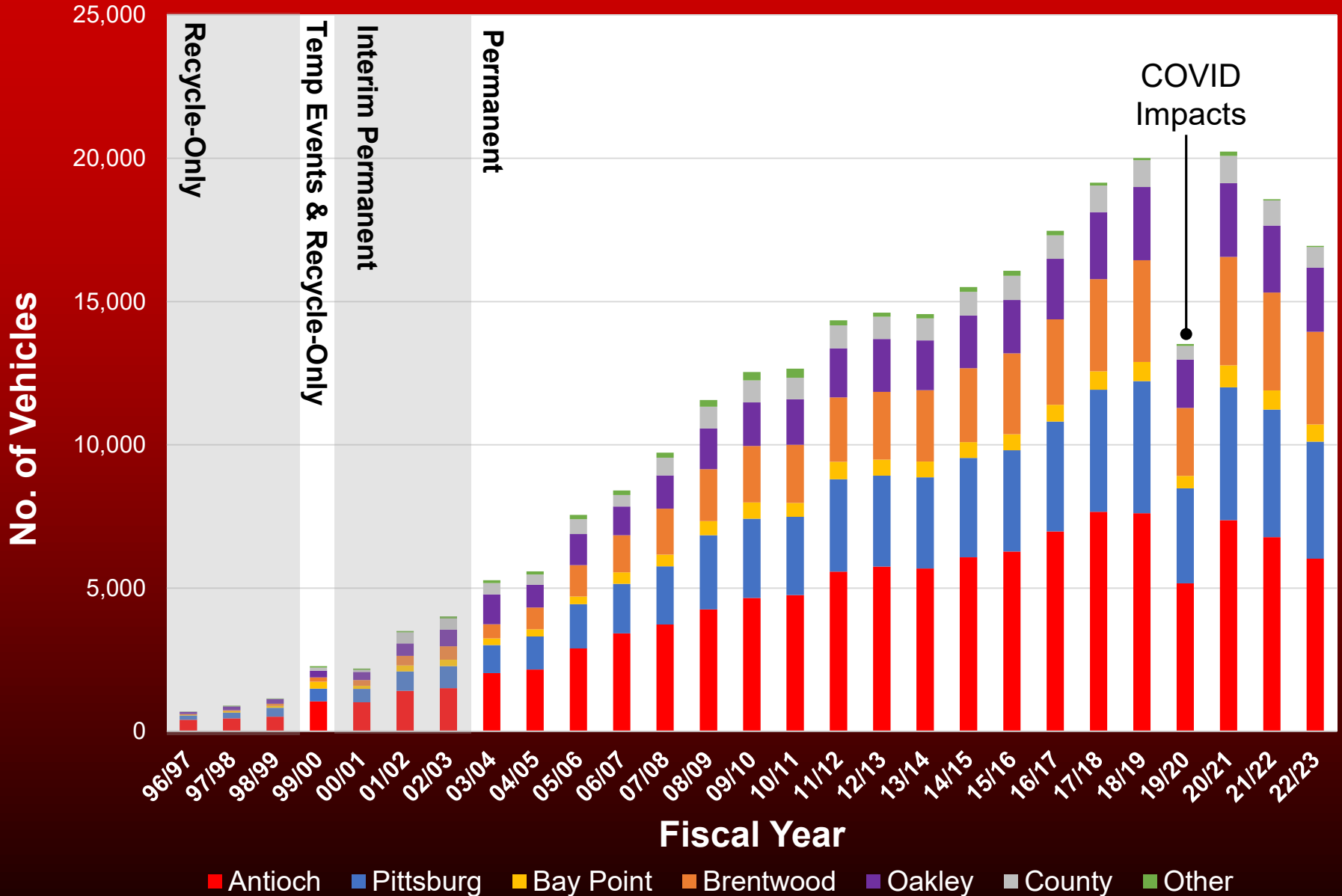
- 16,940 residential vehicles utilized HHW program
- 490 tons collected with 71.4% of material recycled
- 4.1 tons reused
- 26.1 tons collected from small businesses

Waste Collected by Weight

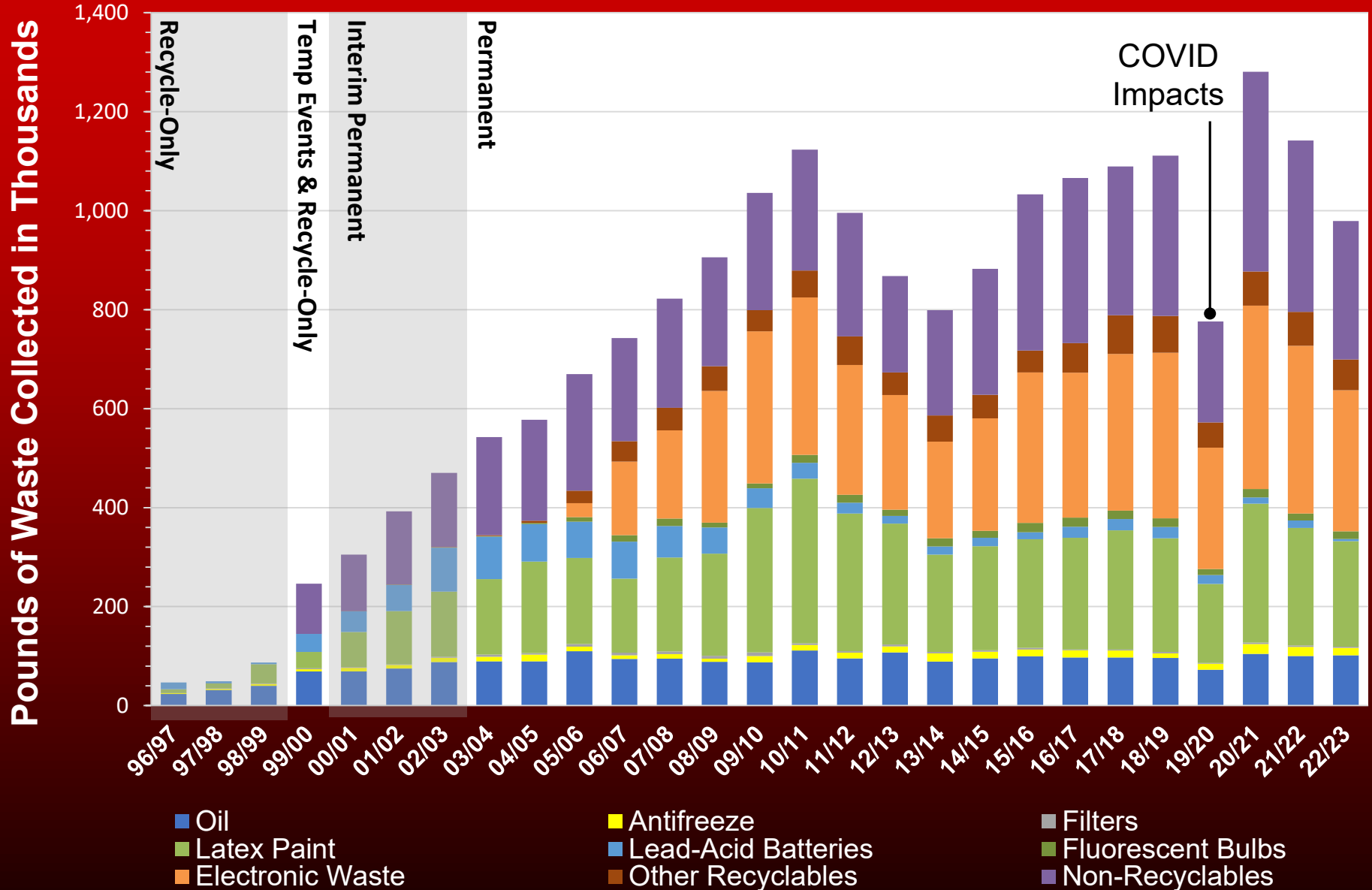


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Historical Participation by Jurisdiction



Historical Waste Collection



Current Facility Usage

- Participation and volumes collected have not rebounded to pre-pandemic levels
 - Reductions in paint volumes because of product stewardship legislation
 - Reductions in weight of e-waste (no longer receiving large, heavy TVs)
 - Lower levels of public education and outreach since pandemic
- Steady decline in average HHW delivered per vehicle
 - Peaked at 92.7 pounds in FY05/06 down to 57.8 pounds in FY22/23



Cost Pressures

- Hazardous waste costs have escalated significantly in recent years (faster than inflation)
 - Disposal facility capacity issues (especially with incinerators)
 - High transportation costs (many waste streams are shipped out of state)
 - Recycling market challenges (loss of revenue for e-waste recycling)
- HHW agencies across the state and nation are facing ~30% increases in unit costs
- In February 2023, Board approved a contract amendment with HHW contractor with significant increases in unit costs



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Cost Control Measures

- Recently awarded new e-waste contract that should make e-waste recycling cost neutral, rather than an expense (spent \$144k in FY22/23)
- Continued support of extended producer responsibility/product stewardship efforts have reduced costs (i.e., paints/coatings, sharps, medication)
- Focus on eliminating costs associated with sharps and pharmaceuticals (\$40-\$50k/yr) in FY23/24



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HHW Program Funding – **Capital** Financial Considerations

- Delta HHW Collection Facility is over 20 years old – no funding is currently collected for future capital costs
- Initial Construction: Capital costs split between partners depending on number of households
 - District initially paid 60% of non-grant funded costs
- Upcoming Action: District will continue to engage with partners on proportionate funding contributions to support future capital needs



HHW Program Funding – Operating Financial Considerations

- Initial program funding relied on partners (not District) to fund operating costs—92.5% paid by partners in FY02/03-FY06/07
- Key Issue: Funding caps are included for cities in District service area with no escalation or change since FY02/03
 - City of Antioch Cap: \$124,000
 - City of Pittsburg Cap: \$75,000
 - Bay Point (County) Cap: \$27,500
- District is required to pay additional facility operating costs (in excess of caps); other program partners pay full share of costs



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HHW Program Funding – **Operating** Financial Considerations (cont'd)

- As program costs have increased in recent years, District is paying significantly larger cost share, which will continue to grow without restructuring
 - In FY22/23, program partners paid \$604,236, while District paid \$483,398 (up from \$258k in FY18/19)
- In FY22/23, HHW Operating Budget (\$1.09M) was exceeded by \$53k (5.1%)
- Upcoming Action: District will engage with cities/county on developing updated and proportionate funding contributions (e.g., adjusted caps, future escalation factors)



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Next Steps

- Completing current regional CalRecycle HHW grant cycle for collection of marine flares (\$300k)
 - Applied for additional grant next cycle—expected award notification before end of December
- Tracking implementation of AB 2440 and SB 1215 for battery and battery-embedded products (future offset of HHW operating costs)
- Continue supporting future extended producer responsibility/product stewardship efforts at the state and national level



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