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Zero Waste Implementation Plan (ZWIP) Update



City Council Meeting

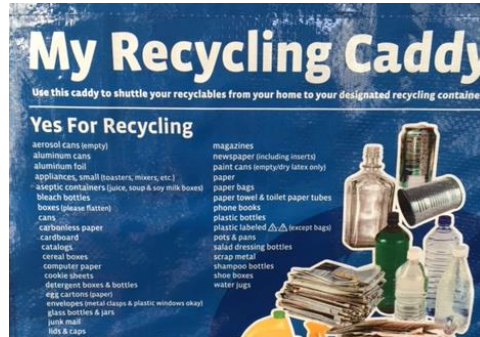
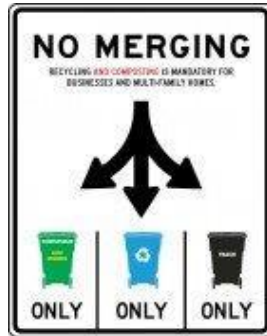
July 10 2018



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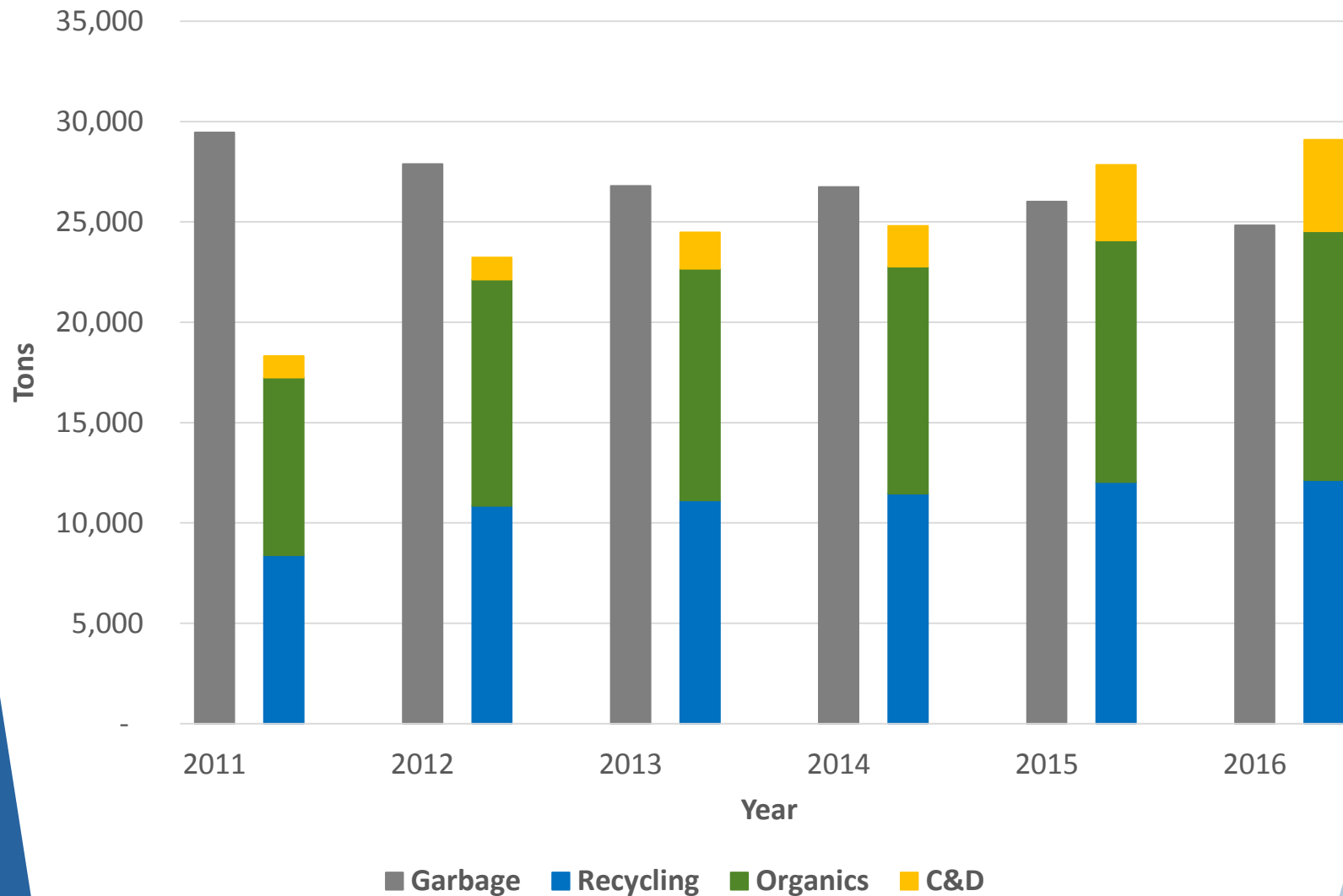
Findings

Zero Waste Initiatives 2011-2017



Findings

2016 Collected Waste Diversion

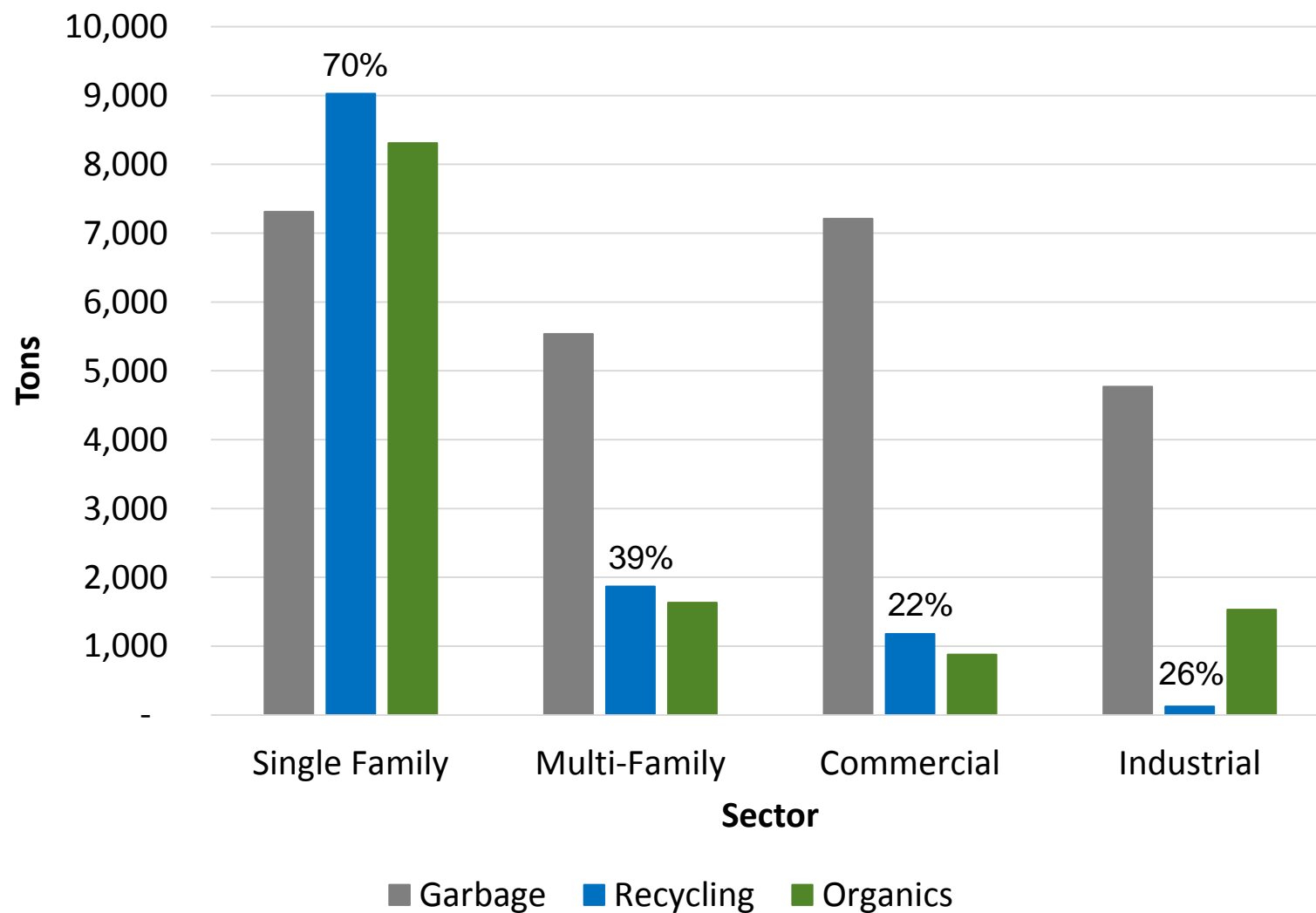


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Findings

2016 Collected Waste Diversion By Sector

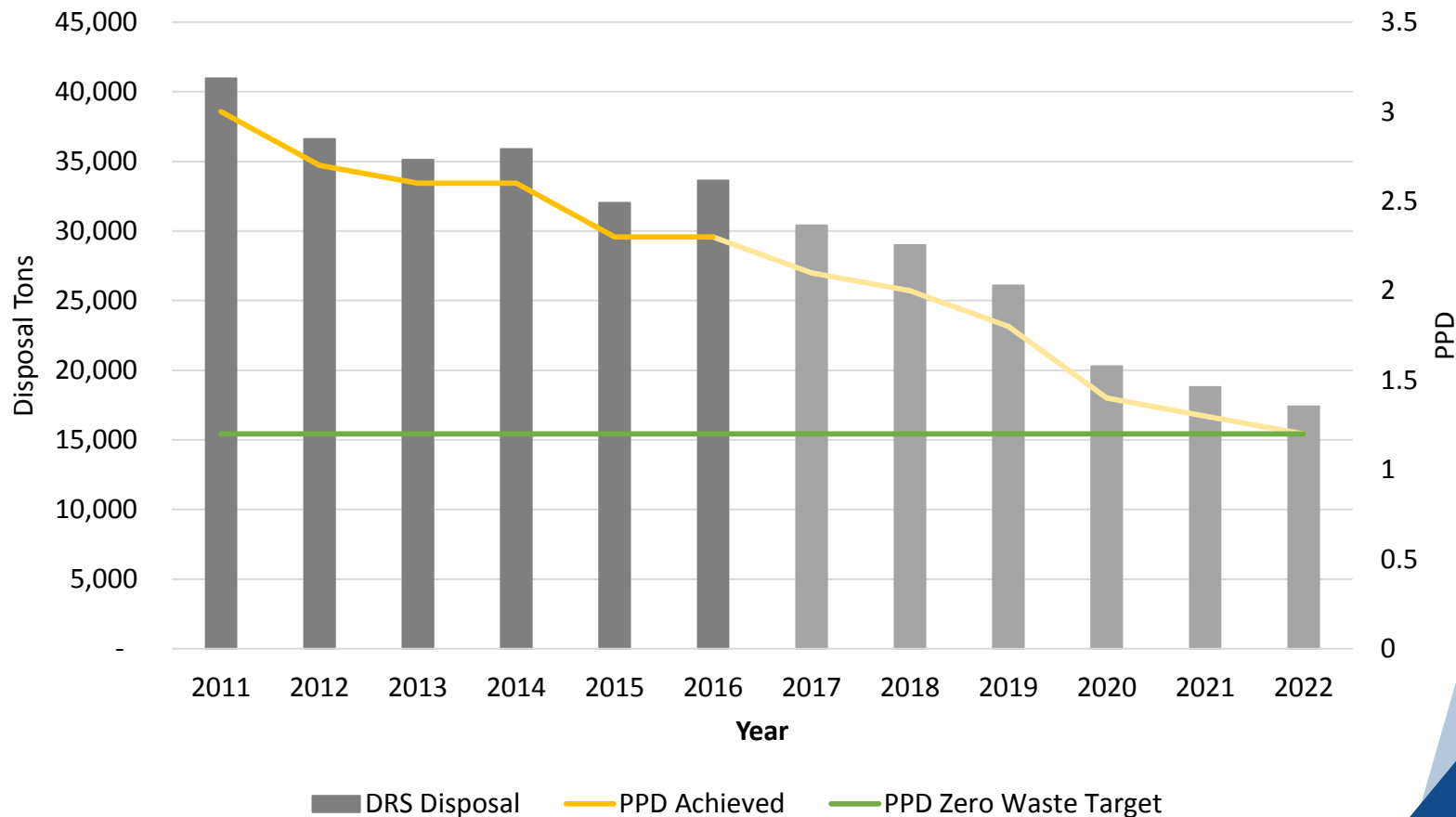


Findings

Revise Zero Waste Goal Date



- ❑ Revised Goal Date: 1.2 pounds per person per day of waste disposed in landfill by 2022 (originally 2020)



Priority Strategies 2018-2022



- ☐ **Strategy #1 Support for Zero Waste Culture Change**
- ☐ **Strategy #2 Conduct Targeted Technical Assistance with Commercial and Multi-Family**
- ☐ **Strategy #3 Create Food Recovery Program and Enhance Organics Management**
- ☐ **Strategy #4 Update Construction and Demolition (C&D) Ordinance and Conduct Outreach**
- ☐ **Strategy #5 Expand High Diversion Franchise Agreement**

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Recommendations



- ☐ Approve the Zero Waste Implementation Plan (ZWIP) Update
- ☐ Authorize City Manager to proceed with a contract for targeted technical assistance to commercial businesses and multi-family properties



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Zero Waste Implementation Plan (ZWIP) Update



Community Workshop

March 1, 2018



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Agenda

- ❑ Introduction (5 min.)
- ❑ ZWIP Update Approach (5 min.)
- ❑ Findings (15 min.)
- ❑ Recommendations (15 min.)
- ❑ Public Participation (20 min.)
- ❑ Questions and Discussion (20 min.)



ZWIP Update Approach

Goals for the Project

- ❑ Strive to meet zero waste goal
- ❑ Focus on waste generation sectors with the most opportunity for greater diversion of waste from landfill
- ❑ Prioritize strategies that move tons from landfill and support zero waste achievement in Alameda
- ❑ Conduct data-driven analysis to support planning efforts
- ❑ Identify resources needed for implementation



ZWIP Update Approach

Scope of Work

- ❑ Evaluate the ZWIP and Review Effectiveness of Current Programs
- ❑ Recommend New Zero Waste Strategies and Current Policy and Program Enhancements
- ❑ Focus on Sector-Specific Diversion Improvements
- ❑ Estimate Diversion Potential and Costs
- ❑ Engage the Community in Collaboration with City staff
- ❑ ZWIP Update Report to City Council



Findings

Summary



- ❑ Many ZWIP recommended actions have been either initiated or implemented
- ❑ Alameda disposal and pounds per person per day (PPD) show a downward trend; leveling out in last 2 yrs
- ❑ **Commercial, Multi-Family, and Self-Haul** sectors represent the greatest opportunity for increasing diversion from landfill
- ❑ Access to diversion services is not the issue, participation is

Findings

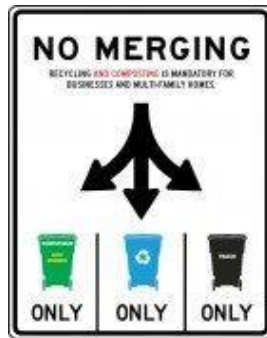
Zero Waste Initiatives 2011-2017



- ☐ Lunch Monitors Assemblies in AUSD and Alameda Green Schools Challenge
- ☐ Alameda Theatre 3-stream sorting bins and theatre trailer
- ☐ ACWMA Mandatory Recycling Ordinance (commercial and multi-family)
- ☐ Commercial technical assistance
- ☐ Clear Stream event bins
- ☐ Illegal Dumping Program enhanced
- ☐ Transforming City Depts. into Green Businesses
- ☐ Green Team re-engaged for LAPCP
- ☐ ACWMA Reusable Bag Ordinance
- ☐ CalRecycle grant for public recycling and organics containers
- ☐ C&D program enhancements (Green Halo, CALGreen 65% recycling requirement)
- ☐ Don't spoil Alameda
- ☐ Earth Day outreach
- ☐ Meetings with Alameda Kitchen / Food Shift regarding food rescue
- ☐ Environmentally Preferable Purchasing Policy Update
- ☐ Rethink Disposable
- ☐ Disposable Food Ware Ordinance
- ☐ Social marketing
- ☐ Extended producer responsibility

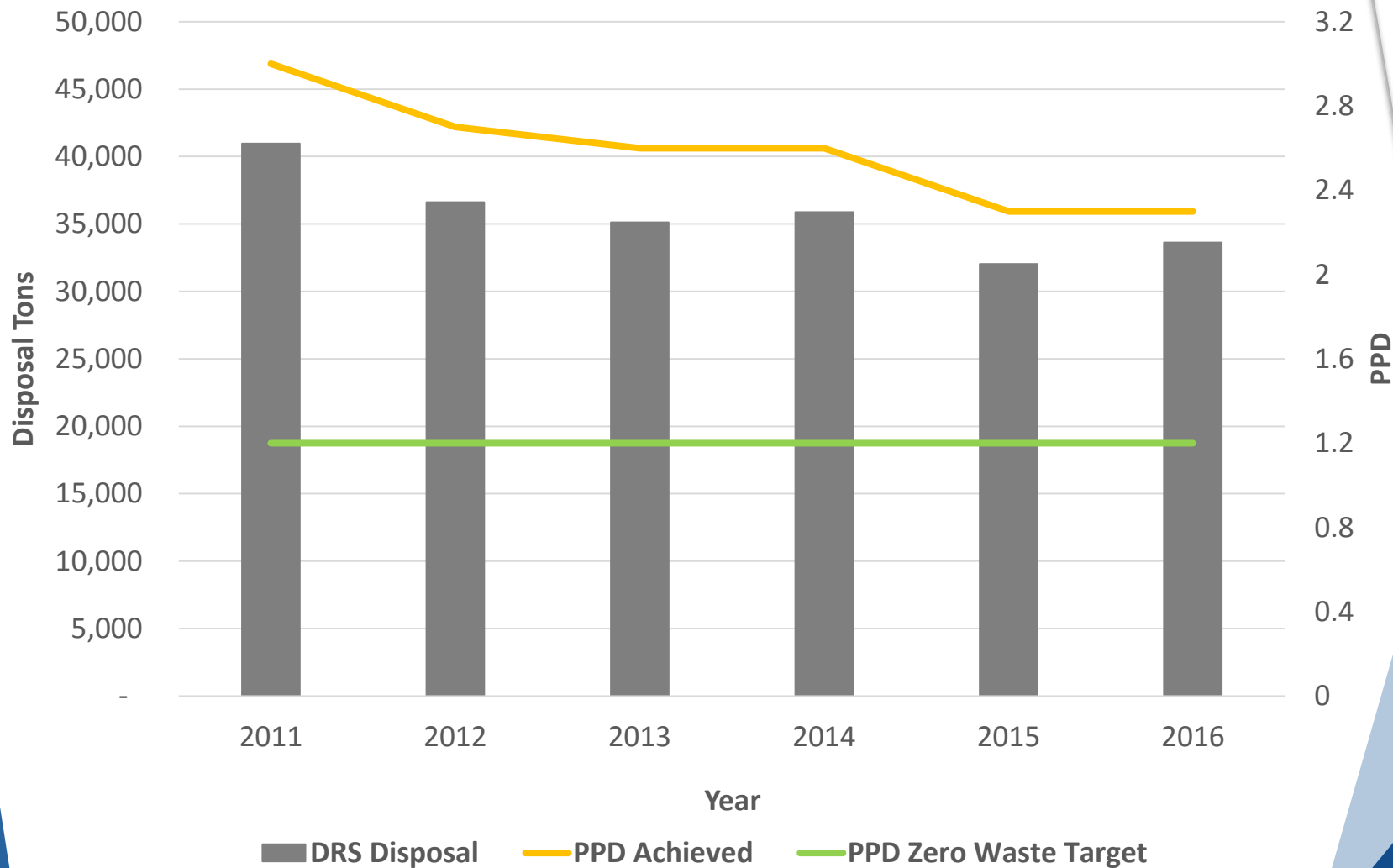
Findings

Zero Waste Initiatives 2011-2017



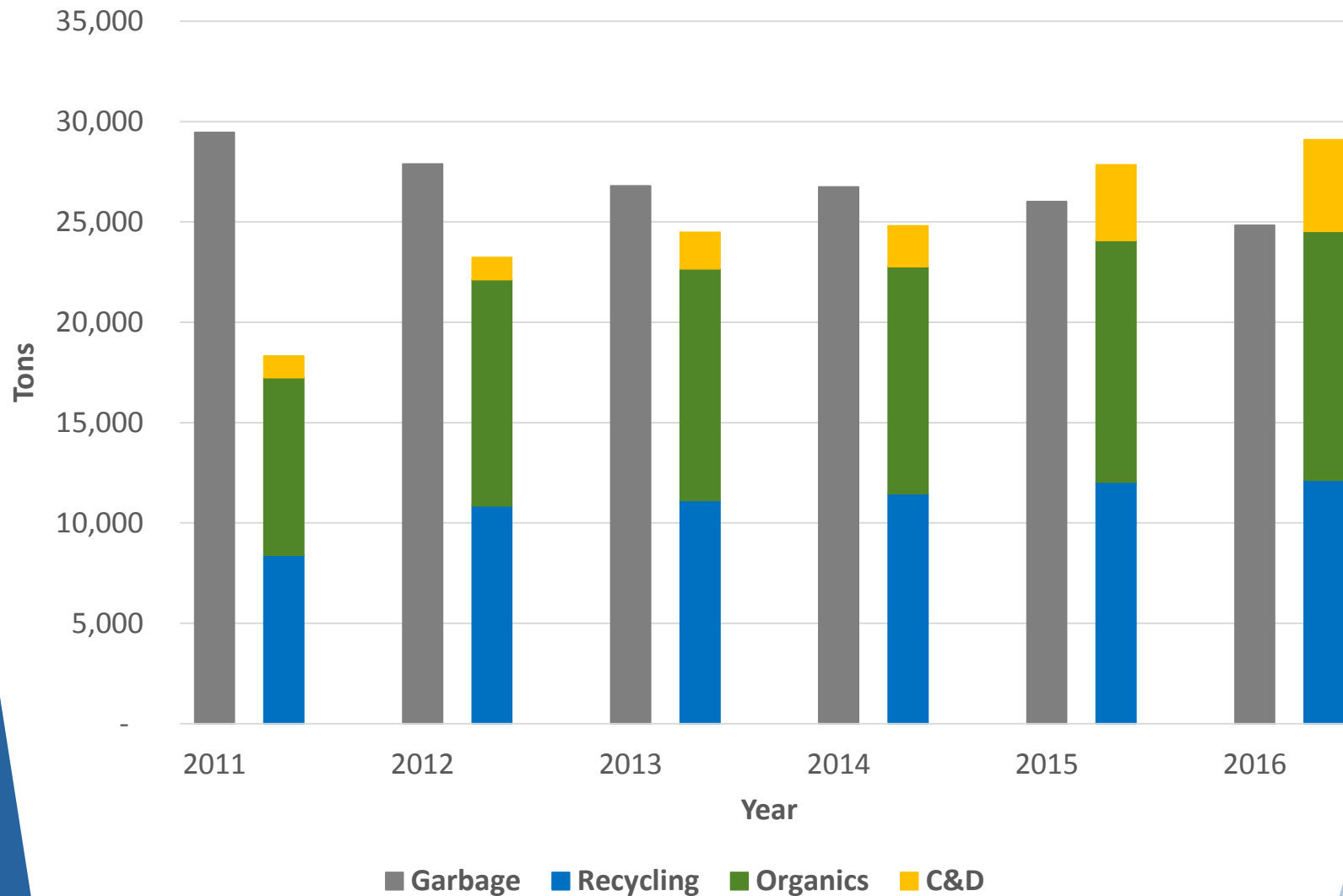
Findings

Alameda Disposal Reporting System (DRS) and PPD 2011-2016



Findings

2016 Collected Waste Diversion

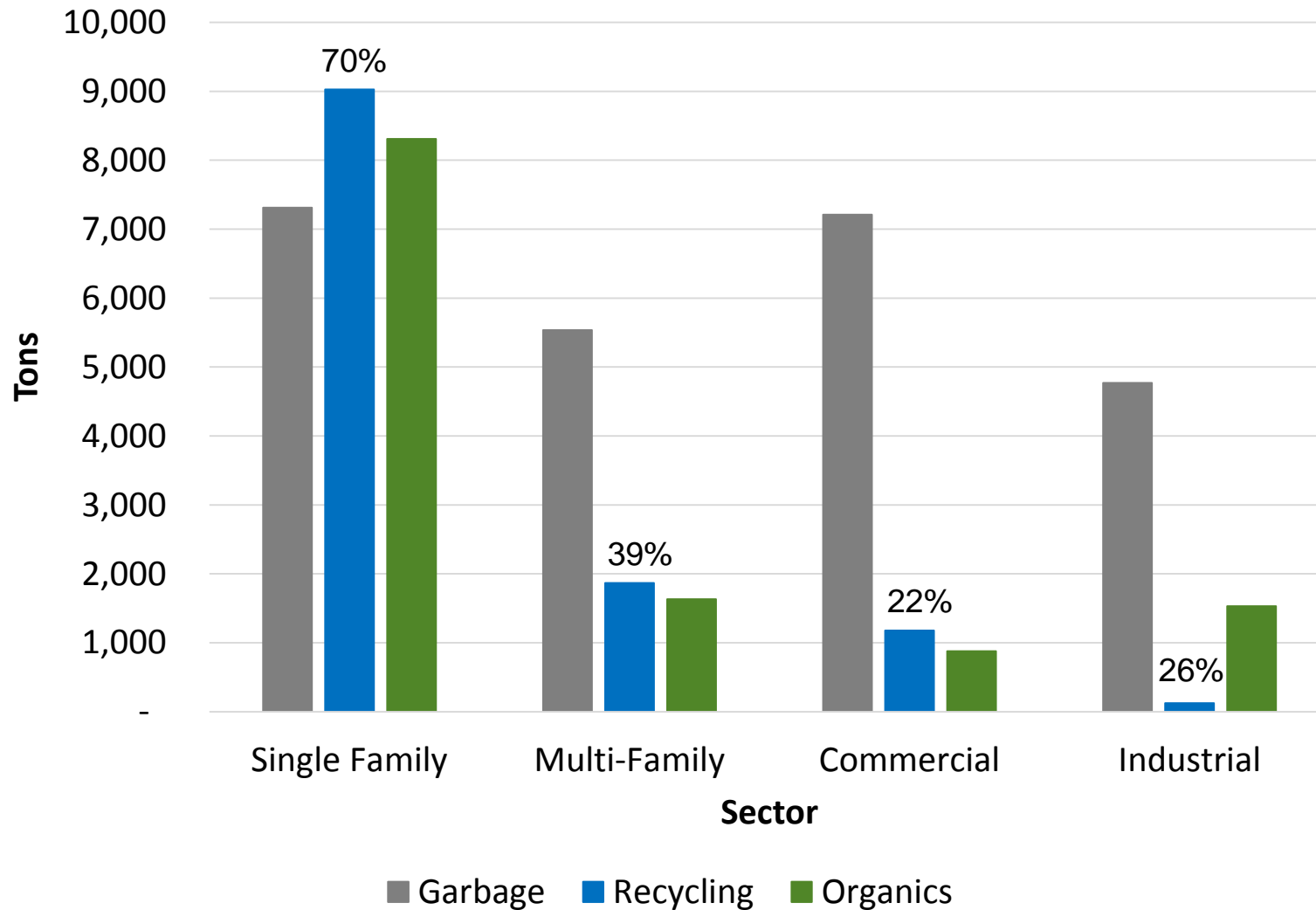


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Findings

2016 Collected Waste Diversion By Sector





Public Participation

Community Comments Received To-Date

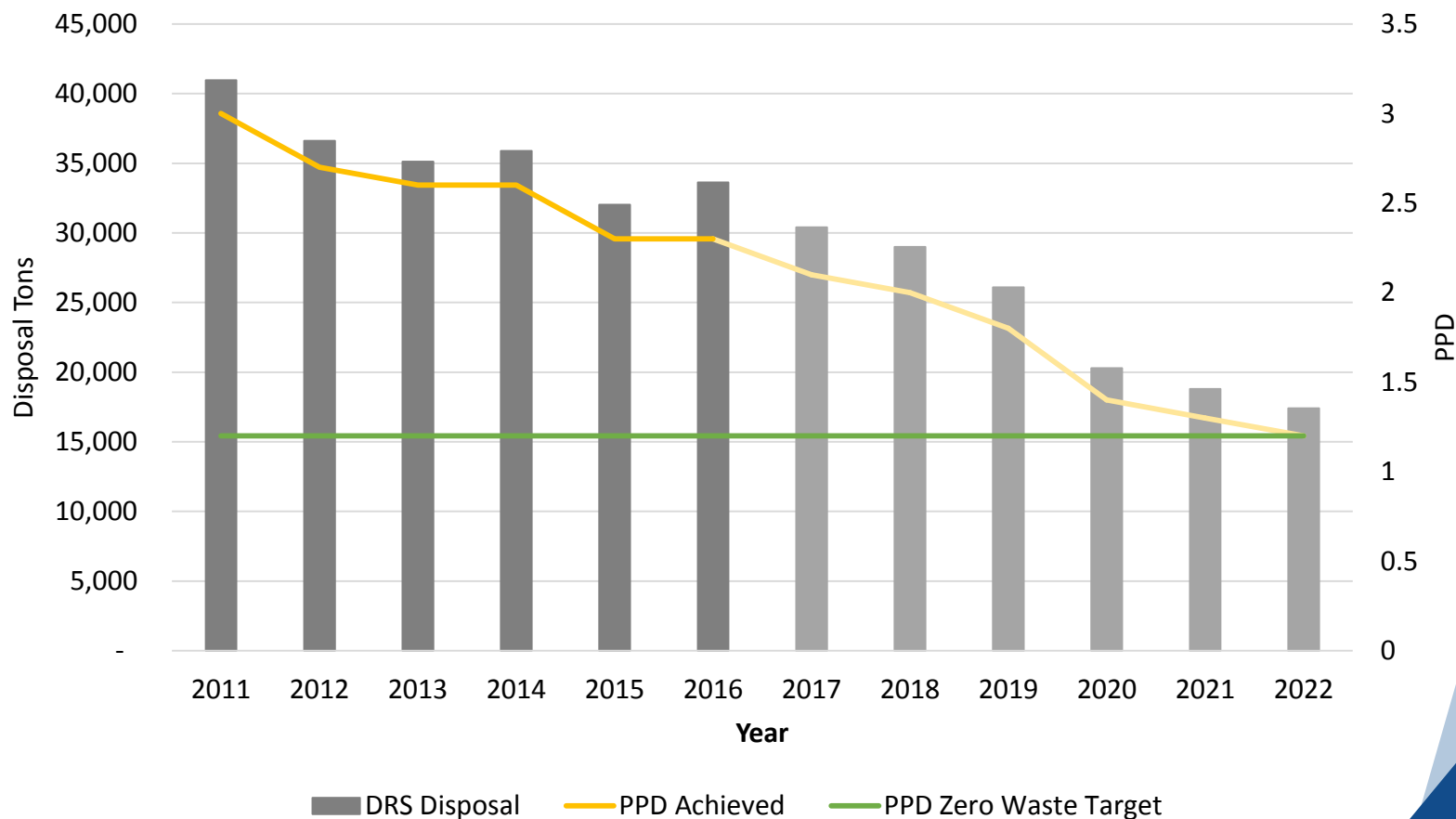
- ❑ Approx. 145 public comments received to-date
- ❑ Increase targeted outreach and technical assistance
- ❑ Updates to City Ordinance (C&D, public events, expanded Styrofoam ban, retailer takeback, etc.)
- ❑ Activities in support of zero waste culture
 - Recognize and promote Alameda as a leading zero waste city
 - Repair Café and Fix-it Clinics
 - Recycling and reuse directory
 - Zero waste event and venue requirements
 - Zero Waste Alameda program and social media plan
 - Keep it local - allocate land at Alameda Point for a community recycling center or other waste diversion facility



Recommendations

Revise Zero Waste Goal Date

- ❑ Revised Goal Date: 1.2 pounds per person per day of waste disposed in landfill by 2022 (originally 2020)



Recommendations

Priority Strategies 2018-2022



❑ Strategy #1 Support for Zero Waste Culture Change



- Everyone's participation is needed to make a difference!
 - 1.2 PPD is the goal—every member of the community is responsible for helping Alameda achieve zero waste
- Ongoing implementation of current strategies
- Estimated annual cost: \$105,100
- Estimated annual diversion: 4,040 tons

Recommendations

Priority Strategies 2018-2022



□ Strategy #1 Support for Zero Waste Culture Change

➤ Broad array of policies and programs, for example:

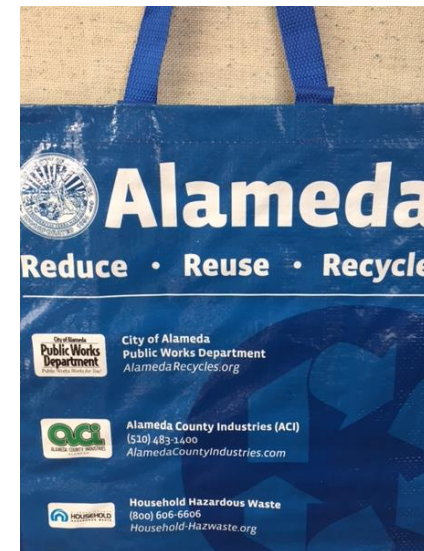
- Zero packaging store
- Museum of Bad Design
- Retailer take-backs
- Expansion of Styrofoam ban
- Zero waste events and venues
- Incentives for reuse, rental, repair industry
- Lead by example at City facilities and events
- Carbon farming for public lands/parks
- Green Teams at schools, business districts, neighborhoods
- Outreach campaigns (sorting, reuse, waste reduction, print less)
- Recognize and promote Alameda as a leading zero waste city
- Behavior change marketing
- Mandatory participation and enforcement
- Reuse collection as part of bulky item services
- Food waste prevention
- Building materials reuse center
- Public notice of pending demolition to facilitate deconstruction
- Use AB 901 process to investigate non-franchised disposal
- Recognition of green businesses

Recommendations

Priority Strategies 2018-2022



- ❑ **Strategy #2 Conduct Targeted Technical Assistance with Commercial and Multi-Family**
 - Individualized attention to overcome barriers to recycling and composting
 - High level of effort
 - Estimated annual cost: \$368,000
 - Estimated annual diversion: 6,320 tons



Recommendations

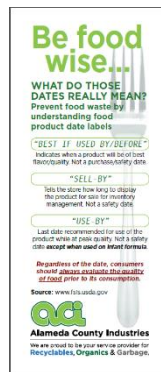
Priority Strategies 2018-2022



❑ Strategy #3 Create Food Recovery Program and Enhance Organics Management



Photo: Food Shift



- Collaborate with local organizations to collect edible food for those in need
- Promote food waste prevention
- SB 1383 Compliance - Short-Lived Climate Pollutants: Organic Waste Methane Emissions Reductions
- Estimated annual cost: \$117,100
- Estimated annual diversion: 1,060 tons

Recommendations

Priority Strategies 2018-2022



- ❑ **Strategy #4 Update Construction and Demolition (C&D) Ordinance and Conduct Outreach**
 - Alignment with CALGreen
 - Promote higher C&D material recovery
 - Outreach and education for C&D generators
 - Estimated annual cost: \$100,700
 - Estimated annual diversion: 3,060 tons

The image shows a screenshot of the City of Alameda Recycling Center website and a permit application form. The website header includes the City of Alameda logo and the text 'City of Alameda Recycling Center' with the tagline 'Committed to exceeding sustainable standards'. Below the header are links for 'Log In' and 'Create A Waste Management Plan'. The permit application form is titled 'City of Alameda Public Works Department Construction and Demolition Debris (C&D) Requirements'. It includes fields for 'PERMIT NO.', 'PROJECT ADDRESS', and 'DATE'. The form lists requirements for permit applicants, including submitting a Waste Management Plan (WMP) and a Summary Report. It also provides information on how to submit WMPs and Summary Reports, either online via a Green Halo account or by paper. The form specifies that project permit applicants must use the City's Franchised Hauler, a Permitted Hauler, or may Self-Haul. It lists the Franchised C&D Hauler (see project), Permitted C&D Haulers (for projects valued at \$100,000 or more), and Self-Haul options. The form also includes a section for 'Permitted C&D Haulers' and 'Self-Haul' options, and a note about the material being mixed and processed by an RC Registered or Certified C&D processor.

Recommendations

Priority Strategies 2018-2022



❑ **Strategy #5 Expand High Diversion Franchise Agreement**

- Revise contract terms and expand exclusivity, for example:
 - Expand franchised hauler exclusivity to cover recycling and organics collection for all sectors
 - Establish contamination fees for customers found to be placing garbage in recycling and/or organic material collection containers
- Better annual monitoring of performance by sector
- Estimated annual cost: \$52,300
- Estimated annual diversion: 1,150 tons

Recommendations

Estimated Cost & Diversion



#	Recommended Strategy	Expense Categories	Start-up Hours	Ongoing Annual Hours	2018	2019	2020	2021	2022	Average Annual Cost	Annual Tons Diverted
1	Support Zero Waste Culture in Alameda	Outreach and Education Materials, and Community Grants			\$100,000	\$102,500	\$105,100	\$107,700	\$110,400	\$105,100	4,040
2	Conduct Targeted Technical Assistance With Commercial and Multi-Family Sectors	Time for Annual Labor		3000	\$300,000	\$307,500	\$315,200	\$323,100	\$331,200	\$368,000	6,320
		Annual Outreach and Education Materials			\$50,000	\$51,300	\$52,600	\$53,900	\$55,200		
3	Create Food Recovery Program and Enhance Organics Management	Time for Start-up Labor	200		\$35,000	\$0	\$0	\$0	\$0	\$117,100	1,060
		Time for Annual Labor		150	\$0	\$26,300	\$27,000	\$27,700	\$28,400		
		Annual Outreach and Education Materials			\$15,000	\$15,400	\$15,800	\$16,200	\$16,600		
		Operating Expense for Food Collection			\$68,900	\$70,600	\$72,400	\$74,200	\$76,100		
4	Update C&D Ordinance and Conduct Outreach	Time for Start-up Labor	200		\$35,000	\$0	\$0	\$0	\$0	\$100,700	3,060
		Time for Annual Labor		500	\$0	\$87,500	\$89,700	\$91,900	\$94,200		
		Annual Outreach and Education Materials			\$20,000	\$20,500	\$21,000	\$21,500	\$22,000		
5	Expand High Diversion Franchise Agreement	Time for Start-up Labor	250		\$43,800	\$0	\$0	\$0	\$0	\$52,300	1,150
		Time for Annual Labor		300	\$0	\$52,500	\$53,800	\$55,100	\$56,500		
TOTAL			650	3,950	\$667,700	\$734,100	\$752,600	\$771,300	\$790,600	\$743,200	15,630

Recommendations

Approx. 4% Estimated Rate Increase for Solid Waste Services



Garbage Container Size	2017-2018 Single-Family Monthly Rate	Rate Increase for Zero Waste	Variance (\$)
20-gallon Cart	\$23.53	\$24.44	\$0.91
32-gallon Cart	\$29.70	\$30.84	\$1.14
64-gallon Cart	\$48.81	\$50.68	\$1.88
96-gallon Cart	\$68.16	\$70.78	\$2.62

Garbage Container Size	2017-2018 Commercial Rate (Once Weekly Collection)	Rate Increase for Zero Waste	Variance (\$)
1 cubic yard	\$150.87	\$156.67	\$5.80
1.5 cubic yard	\$226.29	\$234.99	\$8.70
2 cubic yard	\$301.72	\$313.32	\$11.60
3 cubic yard	\$452.60	\$470.01	\$17.41
4 cubic yard	\$603.45	\$626.66	\$23.21
5 cubic yard	\$754.29	\$783.30	\$29.01
6 cubic yard	\$905.16	\$939.97	\$34.81
7 cubic yard	\$1,056.01	\$1,096.63	\$40.62



Questions & Discussion

- ❑ Share your questions and comments on recommended strategies, for example:
 - How can you support zero waste culture in Alameda?
 - What types of commercial and multi-family properties would you prioritize for technical assistance?
 - How should the City approach running a successful food waste prevention campaign (e.g., ads, online resources, workshops)?
 - What types of C&D recycling requirements would you want to see when you go to get a building permit?
 - How would you like to see the City's partnership with ACI grow?



Next Steps & Timeframe

- ❑ Address comments received tonight
- ❑ Two week written comment period
 - Submit written comments to R3
- ❑ Finalize ZWIP Update report
 - Written comments received prior to report finalization will be addressed through revisions and/or included an appendix
- ❑ City Council consideration anticipated in Spring 2018

THANK YOU FOR YOUR TIME

For additional questions, contact:

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