

Commercial Factor
Diversion Estimates

Total Disposal (Source Table Tonnage Data)	1998		2000		2002		2004		Total Tonnage	Percent Diverted	Recycling Tonnage
	Percent Diverted	Tons Diverted	Percent Diverted	Tons Diverted	Percent Diverted	Tons Diverted	Percent Diverted	Tons Diverted			
Unsorted Municipal Solid Waste	0.00	0	0.00	0	0.00	0	0.00	0	0	0.00	0
Paper and Paperboard	0.25	1,200	0.25	1,200	0.25	1,200	0.25	1,200	4,800	0.25	1,200
Plastic	0.15	700	0.15	700	0.15	700	0.15	700	2,800	0.15	700
Aluminum	0.05	250	0.05	250	0.05	250	0.05	250	1,000	0.05	250
Steel	0.05	250	0.05	250	0.05	250	0.05	250	1,000	0.05	250
Food Waste	0.10	500	0.10	500	0.10	500	0.10	500	2,000	0.10	500
Textiles	0.05	250	0.05	250	0.05	250	0.05	250	1,000	0.05	250
Leather	0.01	50	0.01	50	0.01	50	0.01	50	200	0.01	50
Other	0.05	250	0.05	250	0.05	250	0.05	250	1,000	0.05	250
TOTAL	0.60	3,000	0.60	3,000	0.60	3,000	0.60	3,000	12,000	0.60	3,000

APPENDIX D GREENHOUSE GAS EMISSIONS CALCULATIONS

APPENDIX E PUBLIC PARTICIPATION

2 PUBLIC PARTICIPATION

Planning Workshops

The first two Zero Waste workshops were held on February 2, 2012, including a morning workshop focusing on businesses and an evening workshop focusing on residents and the community in general. At these initial workshops, the concept of Zero Waste was introduced and an overview was provided on the City's Zero Waste Goal and the existing programs that contribute to Pasadena's diversion accomplishments. The presentation portion concluded with case studies of businesses and communities that have implemented Zero Waste strategies. The workshops continued with breakout sessions where stakeholders were given the opportunity to provide their thoughts on Zero Waste, the City's efforts, and where they think the City should concentrate in order to reach its Zero Waste goals.

The results of the stakeholder input/brainstorming from these workshops are included in the following pages, organized according to the main areas that were discussed by residents and businesses.

Economics

- Identify the costs and impacts to implementing the Zero Waste Plan
- Provide information on how reducing waste and recycling minimizes costs incurred by a business (at the very least, consider a no-cost alternative as part of the study)
- Explore if the City's general fund can be used to finance social responsibility investments
- Create financial incentives to get to Zero Waste
- Research increasing the cost variance of the Pay-As-You-Throw system to create more incentives

- Minimize or eliminate the financial burden of the plan onto businesses (Note: Any costs should be appropriated amongst the user groups. This may mean higher costs for residents, especially when subsidies from the commercial sector are removed.)
- Explore incentives to expand recycling market development zones (i.e., program combines recycling with economic development to fuel new businesses, expand existing ones, create jobs, and divert waste from landfills)
- Minimize the financial barrier of the franchise fee

City Programs/Management

- Identify how the Zero Waste Plan will be implemented and how the City will provide the personnel and oversight
- Examine ways to encourage construction, recycling, and reuse centers to do business in Pasadena
- Create incentives that encourage businesses to get to Zero Waste
- Provide a list of local recycling centers and green businesses to assist consumers on where to recycle and shop locally and responsibly
- Make information on the City's recycling program website easier to find and provide information on what is recyclable and compostable
- Implement mandatory recycling and composting to get to Zero Waste
- Characterize commercial and residential waste and share the results with the community

Number: 1 Author: Administrator Subject: Sticky Note Date: 9/29/2014 5:11:53 PM
How many people attended these workshops?

Number: 2 Author: Administrator Subject: Highlight Date: 9/25/2014 2:14:45 PM

- Engage and explore partnerships with other City of Pasadena facilities (i.e., Pasadena Water and Power), colleges, universities, and neighboring cities and mayors
- Expand the recognition program for businesses who are achieving Zero Waste (Green City Awards)
- Research and provide information on Zero Waste best practices nationally and internationally
- Organize a working group made up of professionals, environmentalists and business owners to examine, consider and make recommendations on the Zero Waste initiative before any program is considered for implementation (Note: The group should be equally made up of representatives from various constituencies.)

Yard Trimmings & Other Compostable Materials

- Eliminate the use of yard trimmings as alternative daily cover (ADC) in landfills as the materials are not being composted
- Strong support for compostable materials collection infrastructure from residents and businesses
- Research opportunities to compost, such as partnering with other communities or investing in an anaerobic digestion facility
- Investigate the viability of a mandate requiring grocery stores to divert outdated or leftover food from the dumpsters
- Consider space needs for food scraps collection, health and cleanliness standards, transportation and staff time to oversee and implement the program

Extended Producer Responsibility (EPR)

- Concern that the cost of EPR is levied onto the consumers
- Research upstream policies for packaging
- Encourage manufacturers of packaging and products to adopt EPR principles (e.g., Avery-Dennison is a Pasadena-based corporation; collaborate with corporation headquarters.)
- Implement more EPR policies, such as a pharmaceutical take-back program

Regulations & Policies

- Ensure regulations are compatible and effective so programs are attainable and viable
- Provide information on Assembly Bill (AB) 341 to address recycling for businesses and multifamily complexes (Note: California Assembly Bill 341(Statutes of 2011) requires all commercial generators with four cubic yards or more of solid waste collection per week and all multifamily buildings with five units or more to recycle.)
- Interest in bans of products like polystyrene or juice boxes
- Align program goals with the Renewable Portfolio Standards and State standards

Educational Outreach

- Share and promote resources available to the community (e.g., Trash 4 Teachers, Repurpose, Free Cycle, etc.)
- Provide information on green washing so educated sustainable purchases can be made (e.g., SF approved.com)

- Support and provide outreach for reuse opportunities
- Start with educating students on recycling, composting, and reuse
- Advertise events, programs, and information through KPCC, local radio, media, newsletters, door-to-door promotions, and Mayor Public Service Announcements
- Use social media including: YouTube, Facebook, and Twitter to share information
- Publish the names of green businesses located within Pasadena to increase recognition
- Promote Reduce, Reuse, Recycle, and Re-purpose
- Use LEED certification as an incentive; currently it is a disincentive and creates hurdles (Note: "LEED" stands for Leadership in Energy and Environmental Design, a program of the U.S. Green Building Council.)

General

- Research conversion technologies such as anaerobic digestion or waste-to-energy
- Research alternatives to plastics and Styrofoam
- Include reuse as part of the Zero Waste Plan
- Identify interim goals (e.g., 5 years) to reach Zero Waste before 2040
- Remove barriers rather than impose rules
- Ensure that members of the City Council are present in the stakeholder process

City Council

The second series of workshops were held on May 24, 2012. Using a format similar to the February workshops, the morning presentation focused on the business sector and the evening workshop was geared towards residents and the community in general. These workshops presented questions and input from the February workshops, details on the types and quantities of materials generated by residents and businesses in Pasadena, and thoughts on potential Zero Waste policies, programs, and infrastructure. The workshops concluded with breakout sessions where attendees were given the opportunity to provide their comments and input on some potential policies, programs, and infrastructure options. The results of the stakeholder input from these workshops are included below, organized according to the main areas that were discussed by residents and businesses.

Economics


- Demonstrate how businesses can achieve cost savings and identify cost-neutral options that increase recycling and compostable materials collection
- Phase-in the program to demonstrate cost neutrality
- Examine creative ways to restructure rates to incentivize recycling and composting (e.g., Pasadena Water and Power solar and energy incentives)
- Create incentives so revenues are generated to fund programs
- Apply for grants to establish and fund programs
- Provide subsidies for pilot projects to demonstrate costs and ease of implementation
- Phase-in program subsidies; first year is full subsidy and wean the second and third years

Number: 1 Author: Administrator Subject: Sticky Note Date: 9/25/2014 1:44:47 PM
Has Public Works conducted this research?

Number: 2 Author: Administrator Subject: Highlight Date: 9/25/2014 1:44:22 PM

- Require or develop financial incentives for higher diversion rate from Material Recovery Facilities (MRFs)

City Programs/Management

- Incentivize diversion for franchised haulers (i.e., fee reduction for recycling more or increase fee on waste disposed in the landfill)
- Create interim goals in the Zero Waste Plan, such as 80 percent by 2020, 85 percent by 2030, and 90 percent by 2040
- Identify synergies between programs, business groups, charities, colleges, environmental organizations, etc.
- Develop a program for food scraps, compostable materials, and reusable items
- Encourage franchised haulers to provide lockable bins to minimize scavenging
- Provide "milk-run" pickups from retail locations, libraries, senior centers, etc. for recyclables or hard to recycle items
- Determine which programs work in other franchised cities and whether those programs would be useful as part of Pasadena's Zero Waste Plan
- Phase-in new programs as infrastructure becomes available
- Implement the Zero Waste Plan through a phased-in approach
- Help organize business and charity mixers to encourage donations and tax write-offs
- Develop multifamily recycling requirements and source separation programs versus haulers "dirty MRFin" the materials (processing mixed waste through a mixed waste Material Recovery Facility)
- Place water bottle refill stations throughout the City and parks 
- Develop a program to collect aseptic items so they are sent to the right mills

Yard Trimmings & Other Compostable Materials

- Factor in costs and logistics in developing a commercial composting facility locally or regionally
- Determine the costs to businesses in establishing a food waste collection program
- Establish exclusive franchise zones to collect compostable materials
- Host mobile events for chipping and grinding yard trimmings
- Create a permanent mulch give-away program that is free to all Pasadena residents
- Add food scraps to green bin program
- Make recycling and compostable materials collection mandatory for residents
- Plan for a composting facility for City generated yard trimmings

Policy and Extended Producer Responsibility (EPR)

- Establish voluntary take-back programs before making them mandatory
- Work with businesses to incentivize participation in an EPR and take-back program
- Partner with universal waste suppliers to provide clear labeling on how to dispose of items
- Support statewide bans and EPR legislation because Pasadena is not an island
- Develop policy for businesses to require using recyclable and compostable products

Educational Outreach

- Provide information on AB 341 to businesses and multifamily complexes
- Expand outreach and education to neighborhood associations, homeowner associations, Pasadena City College, college staff and students, and attendees at City events and meetings
- Focus Zero Waste outreach activities to college and high school students that belong to sustainability clubs
- Research the cost and possibility of using lockable bins to minimize scavenging
- Examine various behavioral change marketing approaches that increase recycling participation
- Brand the Zero Waste program
- Provide residents with more clearly labeled bins that explain what goes in the blue and green bins
- Increase the recycling image of the City by placing clearly labeled recycling bins on City streets and parks
- Provide Information on how to recycle ink toner cartridges, batteries, and fluorescent bulbs
- Publicize/model successful Zero Waste businesses to increase peer pressure
- Delineate what is compostable and recyclable
- Correctly define gypsum as it's not truly "inert"
- Make school education a higher priority
- Examine all the ways to educate children on recycling at home, school, playgrounds, and parks
- Provide technical assistance for businesses
- Incorporate additional outreach approaches including door-to-door outreach and personal connections
- Develop a program that focuses on positive reinforcement
- Develop competitions to increase participation
- Provide information on AB 341 and make businesses aware that they are in compliance through the franchise agreement
- Direct haulers to provide training and bins for services they provide

August Workshop

Based on the input from the stakeholders at the February and May workshops, the City conducted an analysis of the policies and programs to estimate their diversion potential, greenhouse gas emissions reduction potential, and feasibility of implementation. The preliminary findings and draft plan elements were presented to the stakeholders at an all day workshop and open house held on August 22, 2012. The open house format for this workshop allowed residents, representatives from local businesses, business associations, and other community members to attend at a time convenient for them and enabled one-on-one interface with the project team. Posters displayed in the room presented information on the following draft plan elements:

Guiding Principles - The guiding principles introduced to the workshop attendees were developed by the City and incorporated the City's Zero Waste goals, the City's Green City Action Plan and input from previous stakeholder workshops:

1. Develop sustainable policies and programs that are equitable, environmentally responsible, and economically sound
2. Maintain Pasadena's position as a leader in innovation and a role model in resource management

3. Pursue "upstream" strategies that prevent and reduce waste and encourage the transition from a consuming to a conserving society
4. Improve "downstream" reuse and recycling programs to ensure the highest and best use of end-of-life products and materials
5. Lead by example at all City operations and City-sponsored events and activities
6. Increase the diversion of compostable materials and promote development of local infrastructure


These guiding principles provide a framework for the policies, programs and actions to be implemented as part of the plan.

Policy, Program, and Facility Options -The potential policies, programs, and facilities the City is considering for implementation in the Zero Waste Plan were displayed on a series of posters in the workshop venue. The options were broken out by implementation schedule as follows:

- Short-term
- Short to medium-term
- Medium to long-term

Attendees were able to ask questions and also to provide feedback on the potential options.

Estimated Diversion Potential and Greenhouse Gas Emission Reductions - The diversion potential of each of the options was calculated based on the types and quantities of materials disposed and the potential for the option to divert some of the disposed materials from landfilling or transformation. The diversion potential of the options was grouped by the generator type (residential, commercial, and self-haul). In direct relation to the diversion potential of each option is the potential for reducing greenhouse gas emissions. These potential results were also displayed for the stakeholders and they were explained by the project team.

Stakeholder Survey  In addition to attending the final workshop, interested community members and stakeholders were also given the opportunity to complete a survey on the City's Zero Waste Plan. The Zero Waste survey solicited input on 25 ideas for possible programs, policies, and infrastructure identified during the community workshops. Information about the survey and a link to the survey were posted on the City's website. The input received was incorporated into the plan. The survey input is included at the end of this section.

Number: 1 Author: Administrator Subject: Sticky Note Date: 9/25/2014 2:18:51 PM
Note that only 45 individuals responded to the survey.

Number: 2 Author: Administrator Subject: Highlight Date: 9/25/2014 2:18:15 PM



**Overall Survey Results:
Zero Waste Survey**

Suggest that this not be included in the report due to very small number of respondents.

Text Block:

Imagine a Pasadena 30 years from now that produces no garbage and recycles/reuses all that we throw away. The City of Pasadena invites residents and businesses to help develop the Zero Waste Strategic Plan. Your input is valuable as we move toward the City's ambitious goal to achieve Zero Waste by 2040. In 2006, the Pasadena City Council adopted the United Nations Green Cities declaration and Urban Environmental Accords, which provides the framework for the Green City Action Plan. Achieving Zero Waste by 2040 is one of the Urban Environmental Accord Actions. The Zero Waste Strategic Plan is a first step to reaching this goal. Please provide your input on 23 ideas for possible programs, policies, and infrastructure suggested by businesses and residents during recent community workshops. Please complete the Zero Waste Survey by October 8, 2012. Results of the Zero Waste Survey will be available on the City's Zero Waste webpage on October 22, 2012.

Text Block:

POLICY OPTIONS

Are you in favor of the City adopting a Zero Waste policy that formalizes the

City's commitment to achieving Zero Waste by 2040?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.5

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

▶ [Show Details](#)

Do you support the expansion of recycling efforts at City facilities to serve as a model for the whole City?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.4

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Private waste haulers provide waste collection services to apartment units and commercial customers throughout the City. Would you support the City evaluating incentive programs for haulers to increase recycling at the commercial buildings?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.4

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

▶ [Show Details](#)

Do you support the City evaluating the current residential curbside recycling program, to identify opportunities to improve recycling and try to incorporate incentives into the rate structure

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					44	1.3

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

▶ [Show Details](#)

Do you support the City requiring manufacturers to take-back their products?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

Number of Responses Rating

1	2	3	4	5	Responses	Score*
					41	1.9

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

[▶ Show Details](#)

Do you support the City educating residents about sustainable purchasing practices?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					44	1.5

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

[▶ Show Details](#)

Many residents have expressed their concern over scavengers that rummage through trash and recycling containers when they are placed at the curb for collection. Do you support the City increasing enforcement of the anti-scavenging ordinance?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	2.6

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

[▶ Show Details](#)

Do you support the City targeting specific, hard to recycle materials in the residential and commercial trash (i.e. plastic bags, Styrofoam food packaging) that could be banned from use?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.9

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

[▶ Show Details](#)

Trash hauled by self-haulers to the landfill is a significant portion of the City's total waste. Do you support the City working to improve accuracy of self-haul waste reporting? Accurate waste reporting will be vital in tracking the City's progress toward achieving Zero Waste.

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					44	2.0

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

[▶ Show Details](#)

Do you support the City requiring separate recycling bins at apartment and commercial units?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					44	1.4

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

[▶ Show Details](#)

Text Block:

PROGRAM OPTIONS

Do you support the City providing a residential food waste recycling program?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.7

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Do you support the City pursuing a food waste recycling program for restaurants, supermarkets and other businesses that generate high volume of food scraps?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.4

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Do you support the City pursuing a food waste recycling program at stadiums and other large venues and events?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					43	1.3

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

responses.
[▶ Show Details](#)

Do you support the City increasing educational outreach on recycling program, and establishing a regular schedule for updates, circulation, and announcements?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.6

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Do you support the City's efforts to recognize local green businesses through an awards program to increase the awareness of the businesses achievements?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					43	1.6

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Do you support the City offering free technical assistance to businesses to help commercial customers achieve Zero Waste through recycling/reuse, and composting?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.4

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Would you use an online service to help reduce/stop junk mail?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.4

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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The City require private waste haulers to recycle a minimum of 60 percent of the waste they collect. Do you support the City establishing incentives for hauler's to exceed

recycling requirements?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					44	1.8

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Do you support the City helping to support school recycling programs at schools to increase youth recycling awareness?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.4

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

[Show Details](#)

Do you support the City providing recycling collection containers in public places throughout the City?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					45	1.5

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

[Show Details](#)

Text Block:

INFRASTRUCTURE OPTIONS

Do you support the City supporting the development of regional organics (i.e. food scraps, yard trimmings, soiled paper) composting facilities in partnership with neighboring cities?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					43	1.5

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Recycling facilities generate a certain amount of residual waste material that cannot be easily recycled. Do you support the City pursuing the development of residual waste recycling facilities in partnership with neighboring cities?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					42	1.5

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Do you support the City establishing a permanent household hazardous waste (i.e. paints, chemicals, e-waste) collection program within the City limits?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					44	1.6

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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Do you have interest in regular document shredding services?

1 = Strongly Agree , 2 = Agree , 3 = Neutral , 4 = Disagree , 5 = Strongly Disagree

1	2	3	4	5	Number of Responses	Rating Score*
					44	2.6

*The Rating Score is the weighted average calculated by dividing the sum of all weighted ratings by the number of total responses.

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If you have experienced construction projects do you have any suggestions for improving the Construction and Demolition (C&D) recycling Program?

Number of Responses

8

Additional policies not included above (list below)

Number of Responses

5

Personal Information - Optional

Answer	Number of Responses
First Name	20
Last Name	19
Job Title	12
Company Name	12
Work Phone	11
Email Address	18
Address 1	12
City	17
State/Province (US/Canada)	19
Postal Code	20

APPENDIX F OPTIONS EVALUATION

EVALUATION OF POLICY, PROGRAM AND INFRASTRUCTURE OPTIONS

Criteria

A list of criteria was established to review the policy, program and infrastructure options under consideration by the City. The criteria categories included environmental benefits, impact on services, ability to implement, support of local and state policies, and fiscal impacts. For each category, definitions were established to assist the evaluation of the options. The criteria and definitions are included in Table F-1.

Table F-1

Evaluation Criteria

A	Environmental Benefits to the Community	Maximum Points
1	Considers the highest and best use of materials	10
2	Reduces greenhouse gas emissions	
3	Supports new, safe technologies and processes for infrastructure	
4	Protects public health and the environment	
5	Implements sustainable policies and programs	
B	Impact on Services	
1	Improves collection and recycling programs for residents and businesses	6
2	Improves opportunities for recycling and proper management of mixed waste	
3	Improves City operations and City sponsored events	
C	Ability to Implement	
1	Can be implemented using existing, local infrastructure	4
2	Can be implemented using existing services	
D	Support Local and State Policies	
1	Increases diversion to achieve Zero Waste by 2040, in support of the City's Urban Environmental Accords, Action 4	6
2	Expands Extended Producer Responsibility (EPR) efforts in support of the City's existing EPR resolution	
3	Supports 75 percent state-wide recycling goal	
E	Fiscal Impacts	
1	Minimizes impact on customer rates and provides rate equity	8
2	Minimizes impact on City's revenue streams	
3	Minimizes contract management and enforcement costs for programs	
4	Invests in green jobs and economic development	

Using the criteria, the scoring was conducted by City staff and a ranking of the list of options was established. The results of the scoring and ranking are included at the end of this section. As indicated in the scoring results, Option 3, identification of potential improvements to the franchised hauler system, and Option 23, establishment of a permanent household hazardous waste (H-HW) program, both scored considerable lower than the other options. These two options were eliminated from the recommended future programs to be implemented.

Number: 1 Author: Administrator Subject: Sticky Note Date: 9/29/2014 5:13:16 PM
Shouldn't PFFBC be on the list of policies, programs, and infrastructure options?

Number: 2 Author: Administrator Subject: Highlight Date: 9/25/2014 2:21:42 PM
