

**City of Portland  
Bureau of  
Planning & Sustainability**

**RESIDENTIAL  
FOOD SCRAPS COMPOSTING  
PILOT PROGRAM EVALUATION**

**Survey & Focus Group Research**

**Data Collected  
Spring & Fall 2010**





## Introduction

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In 2007, the Portland City Council adopted the Portland Recycles! Plan, a blueprint for how the City will reduce waste generation, increase recycling, and reduce the negative impacts of collection trucks in neighborhoods. The first phase of the plan included expansion of materials collected curbside for recycling and the distribution of the blue recycling roll carts and the green yard debris roll carts.

An important part of the second phase of the Plan is the implementation of a food scraps composting program for Portland residents. While Portland is a national leader in residential recycling, with one of the highest recycling rates in the nation, most food waste still goes into the landfill and food waste accounts for almost 30% of Portland residents' garbage by weight.

An important step in the design of the food scraps program for Portland residents is the implementation of a pilot program in four Portland neighborhoods in the Spring of 2010. About 2,000 households in four Portland neighborhoods are participating in the pilot program. This report is part of the City's efforts to evaluate resident reaction to the pilot project. It includes the results from three research projects conducted with pilot program participants. The projects include:

- ▶ Pre-program implementation telephone survey.
- ▶ Post-program implementation telephone survey conducted after approximately four months of experience with the program.
- ▶ Post-program implementation focus groups conducted after approximately five months of experience with the program.

The report is divided into the following sections:

- ▶ **Executive Summary**, highlighting the key findings of the research.
- ▶ **Research Results**, outlining the findings from the research.
- ▶ **Conclusions and Recommendations**, providing the next steps we believe the City of Portland should take based on the research and our past experience.
- ▶ **Appendix**, containing a review of the methodology used to conduct the research, as well as a copy of the survey questionnaires and data printouts as well as focus group screener and discussion guides.

If you have questions or comments about this research, contact [Martha DeLong](mailto:Martha.DeLong@cdri.com) at Campbell DeLong Resources, Inc. at (503) 221-2005 or [Marthad@cdri.com](mailto:Marthad@cdri.com).

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## Executive Summary

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The following summarizes key points from the research. To understand the full depth of the research, however, the reader is urged to review the entire report.

### METHODS

The goal of the evaluation is to inform the City of Portland regarding resident attitudes and opinions toward food scraps composting before and after the implementation of a pilot project. The report includes the results of three research projects used to evaluate response to the pilot program — pre-implementation telephone survey of 200 residents in the pilot neighborhoods, post-implementation telephone survey of 200 residents in pilot neighborhoods, and post-implementation focus groups including one group with those who collect food scraps on a daily basis, one with those who collect food scraps on a weekly/monthly basis, and one group with renters.

### EVALUATION RESULTS

#### Demographics of Pilot Program Participants

- ▶ All four pilot project neighborhoods are equally represented in the two surveys and the focus groups.
- ▶ Demographics of the pre- and post-implementation survey samples are very similar. Respondents are almost all single family homeowners and are most likely to have just one or two people in their household. Most are long-time Portland residents and close to half are 55 or older. A majority have at least a college degree. Two-thirds are female and most say they are the most responsible person in their household for garbage and recycling.

#### Pre-Pilot Garbage & Recycling Attitudes & Behaviors

- ▶ Pre-pilot, two-thirds are very satisfied with the current garbage & recycling system. Only 3% are not satisfied at all.
- ▶ Pre-pilot, 8 in 10 put their garbage out weekly and 6 in 10 put their blue roll cart weekly. Half are composting food scraps before implementation of the Food Scraps Composting Pilot Project.
- ▶ Prior to the pilot project, three-quarters agree they will participate in the food scraps composting project.
- ▶ Prior to the pilot project, half agree either strongly or somewhat that going to every two week garbage is possible if they are composting food scraps. However, one-third strongly disagree. Residents appear less concerned about every two week recycling pickup, with 7 in 10 agreeing picking up the blue roll cart every two weeks is not a problem.

### **Post-Pilot Garbage & Recycling Behaviors**

- ▶ After four months of experience with the pilot program, satisfaction with garbage and recycling system is down significantly in all four pilot neighborhoods. During focus groups, it is clear the Food Scraps Composting Program has impacted overall system satisfaction.
- ▶ Substantial majority — about 8 in 10 in all pilot neighborhoods — are collecting food scraps for green yard debris roll cart.
- ▶ Most focus group participants like the idea of food scraps composting, but are concerned with reduction in garbage service, often feel like they were forced to participate, are concerned about food scraps collection attracting fruit flies and other insects, and think the green yard debris roll cart is too large for food scraps. Those with every two week recycling also miss receiving this service weekly.
- ▶ Vast majority of those collecting food scraps collect both during food preparation and after the meal. Focus groups reveal most believe they are collecting all the food scraps they can. However, participants admit small amounts of food scraping and “messy” or “gooey” items are going down garbage disposal or into garbage.
- ▶ Fruits and vegetables, bread, pasta, and grains, meat and poultry, are most likely to be collected for the green yard debris roll car.
- ▶ Focus group participants indicate many dairy products are considered “too runny” and seafood “too smelly” to put in green yard debris roll cart.
- ▶ Focus group participants display a great deal of confusion about which paper products can go into the cart.
- ▶ Keeping the kitchen pail clean is important to those collecting food scraps. Focus groups participants say they want to keep green yard debris roll cart reasonably clean, but that this is very difficult.
- ▶ In an open-ended question, survey respondents seldom provide suggestions for changing the Food Scraps Composting Program. Focus group participants ask for a smaller curbside container for food scraps, weekly garbage service or a no-cost way to deal with extra garbage, and weekly recycling service.

### **Response to Messages**

- ▶ Both pre- and post-pilot project, survey respondents indicate the fact that food scraps will be turned into compost for healthy soil is an important reason to participate in the Food Scraps Program.
- ▶ The fact that food scraps makes up 30% of residential garbage is also an important message to residents, but focus group participants indicate this fact is often hard to believe.

### **Post-Pilot Opinions Toward Food Scraps Composting Program**

- ▶ In response to survey questions, there is agreement, especially from those who are participating on at least a weekly basis, that the program has helped them reduce their garbage. About half say every two week garbage pickup is acceptable and about half with bi-weekly recycling pickup indicate that is acceptable.
- ▶ A little over half perceive that they are receiving less service, so believe that their bill should go down.



- ▶ About 6 in 10 are concerned about unpleasant odors and unsanitary conditions in the kitchen pail and green yard debris roll cart. The same number say that the green yard debris roll cart is hard to keep clean.
- ▶ The kitchen pail is considered useful by most who are collecting food scraps and most believe it should be provided to all residents when the program is rolled out city-wide. Focus group participants say it is typically kept under the sink. A lid with a secure catch is the only major change in the design of the kitchen pail on which participants agree.
- ▶ Most respondents don't know if compostable bags are expensive. In groups, it is clear most don't even know compostable bags are available.
- ▶ Most who are doing backyard composting agree that the program is still beneficial.
- ▶ Few believe collecting food scraps is a task they don't have time for.

### **Recall and Usefulness of Communications Vehicles**

- ▶ The kitchen pail, letter from City/Hauler, brochure/poster, and new schedule are the materials provided to residents by the City that are most likely to be recalled. Usefulness ratings for materials are very good, although they decline with a decline in participation in the program.
- ▶ Discussion with focus group participants reveal that residents often believe materials do not highlight important change to the system – the switch to every other week garbage pickup. In addition, there is a need to use pictures to clearly illustrate what can't go into the green yard debris roll cart.
- ▶ Renters are less aware of all materials other than the kitchen pail. Visuals are important when reaching renters.

### **KEY CONCLUSIONS AND RECOMMENDATIONS**

- 1. Change is difficult and as currently configured, the food scraps composting program introduces change on a number of different dimensions.**
- 2. Most residents are willing to participate in food scraps collection and want the program to succeed. They would like, however, a smaller curbside container.**
- 3. Provide all residents with a kitchen pail.**
- 4. Re-assess every other week garbage collection. If the decision is made to proceed with bi-weekly garbage pickup, the City needs to take steps to assist households in the transition.**
- 5. Continue weekly recycling pickup if at all possible within cost constraints.**
- 6. Some recommendations for adjustments to communications materials emerge from the research.**
- 7. Reaching renters will be more difficult than reaching homeowners.**

*More detailed Conclusions and Recommendations may be reviewed starting on page 67 of this report*



# Evaluation Results

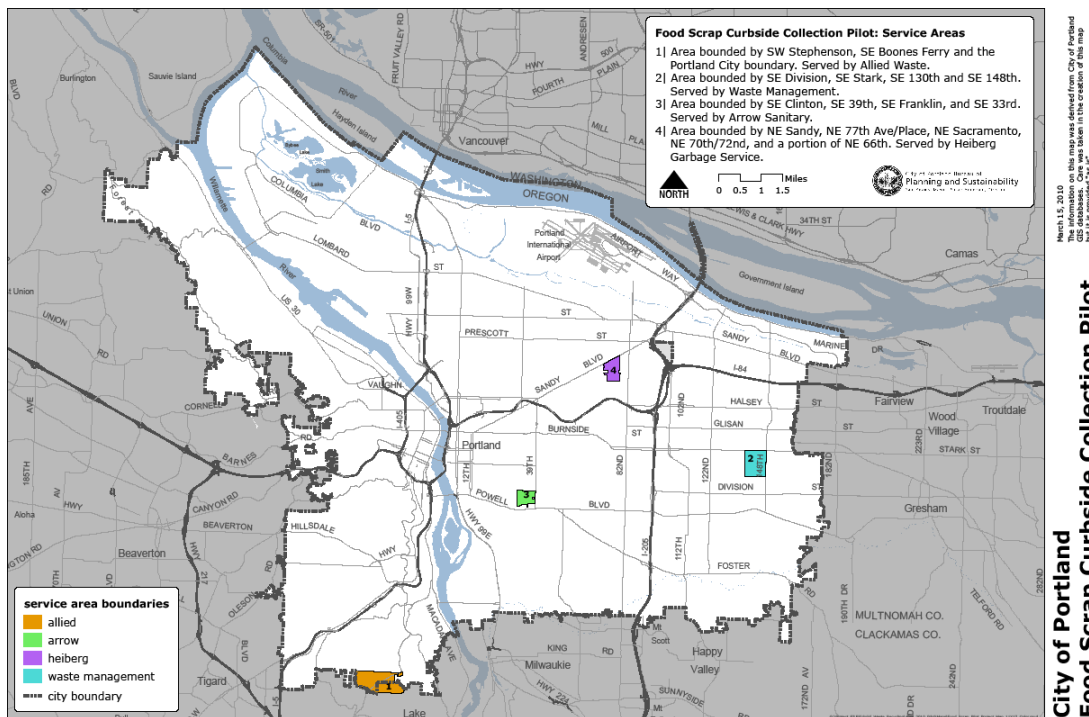
## I. Demographics of Pilot Program Participants

ALL FOUR PILOT PROJECT AREAS ARE EQUALLY REPRESENTED IN THE PRE- AND POST-PILOT PROJECT SURVEYS AND THE FOCUS GROUPS.

Four areas of Portland were selected for participation in the Food Scraps Composting Pilot Project. Each area is served by a different garbage and recycling company. The areas include:

- ▶ **Southwest Portland, served by Allied Waste.** This area is located at the far south end of the City of Portland, near its border with the city of Lake Oswego.
- ▶ **Inner Southeast Portland, served by Arrow Sanitary.** This area is bounded north and south by SE Clinton and SE Franklin Streets and west and east by SE 33<sup>rd</sup> Avenue and SE Cesar E. Chavez Boulevard (formerly SE 39<sup>th</sup> Avenue).
- ▶ **Central Northeast Portland, served by Heiberg Garbage Service.** This area is north of the Rose City Golf Course between the Golf Course and Sandy Blvd. It is bounded west and east by NE 72<sup>nd</sup> and NE 77<sup>th</sup> Avenues.
- ▶ **Outer Southeast Portland, served by Waste Management.** This area is located between SE Stark and SE Mill Streets. It is bounded west and east by SE 139<sup>th</sup> and SE 148<sup>th</sup> Avenues.

The graphic below shows the locations of each of the four pilot project areas.



**DEMOGRAPHICS OF PRE- AND POST- PILOT FOOD SCRAPS COMPOSTING PROGRAM IMPLEMENTATION SURVEYS ARE VERY SIMILAR.**

When conducting pre- and post-program survey research, it is important to review the demographics of the two samples to ensure that the two samples are similar. When looking at the pre- and post-pilot survey respondents for this study, we find that the demographics of the two groups are very similar. Both samples are made up almost entirely of homeowners living in single family homes. This is largely due to the design of the Food Scraps Program as only those residents living in single family homes, duplexes, and 3- or 4-plexes were able to participate in the Program at this time. Household size tends to be smaller — about half have one or two people and almost all have four or fewer household members.

Respondents in both samples tend to have lived in Portland for at least 10 years and are frequently over 55 years of age. Both samples have about a 60/40 female/male split, which is typical of most samples of residents if quotas are not set for men and women.

A large majority of both samples (about 7 in 10) say they are most responsible for the household's garbage and recycling, with the remainder indicating they share this responsibility.

The following graphics illustrate the demographic characteristics of pre- and post-implementation survey respondents as well as the similarity between the two samples.

- ▶ **Almost all are living in owner-occupied single family homes.** To participate in both the Food Scraps Composting Pilot Program and the pre- and post-surveys, residents had to live in a single family home, a duplex, or a townhouse, condominium, or apartment with no more than four units in the complex. Respondents to the survey are overwhelmingly living in single family homes. Only two in the pre-pilot survey and three in the post-pilot survey are not living in a single family home. All of these respondents are living in duplexes.

Survey respondents were also asked if they own or rent their home. In the pre-pilot survey only one respondent indicated they rent their home. This result likely does not reflect the actual renter/owner mix in the four neighborhoods because in Portland the landlord is responsible for providing garbage and recycling service for their rental property. As a result, the lists provided by the haulers most likely had the phone number of the landlord, not the occupant.

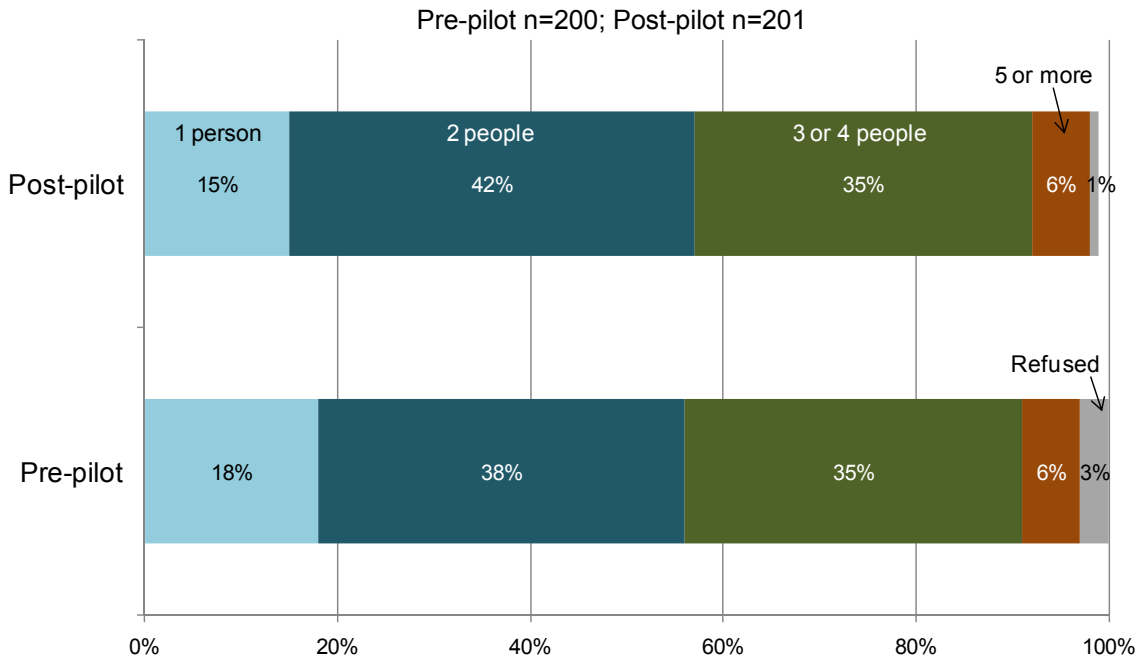
For the post-survey, efforts were made to increase the number of renters included in the survey. If the home address and the billing address did not match, the home address was sent through a service that matches addresses with phone numbers. However, this process only provided an additional 50 phone numbers and the number of renters in the post-survey increased only slightly to four.

- ▶ **Household size is most often one or two people.** A little under 6 in 10 in both samples are living in homes with just one or two household members. Another third have homes with three or four people. It is uncommon, however, for households to have five or more members — just 6% of each sample is made up of households with five or more members. Smaller household size, however, is the norm in most neighborhoods in Portland.

In the pre-questionnaire, participants with more than one person in the household were asked how many, if any, children aged three years old or less lived in the household. Of that sample, 10% have at least one child three or under.

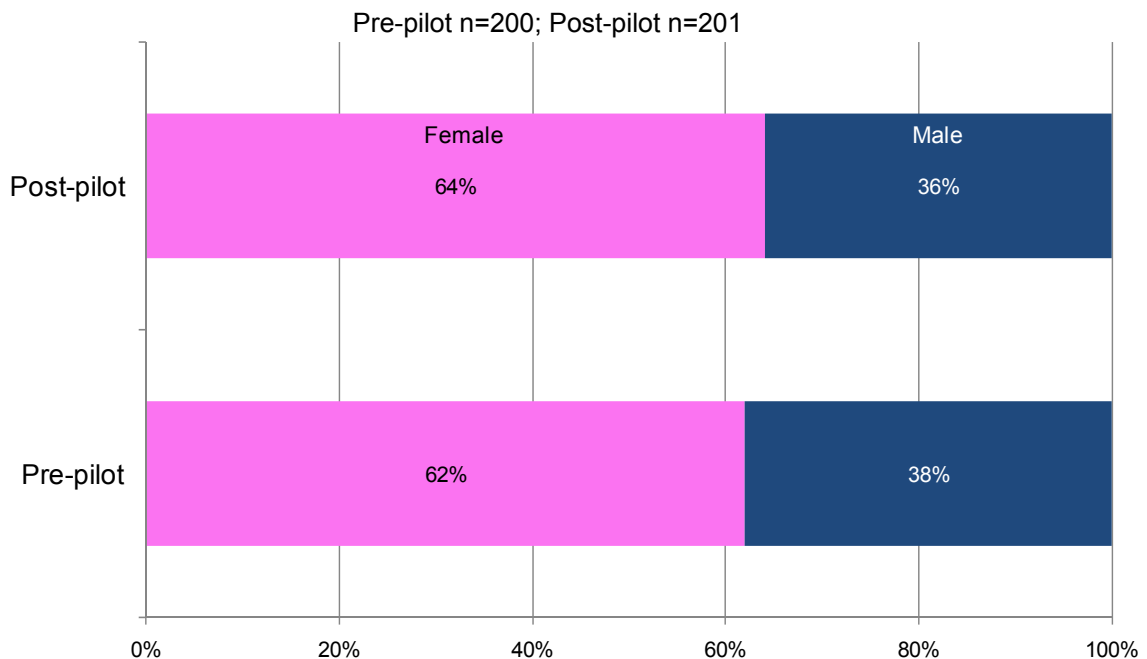
### Size of household

Q: How many people, including yourself, live in your household?



- ▶ **Respondents are most likely to be female.** In both the pre- and the post-pilot surveys, about two-thirds of respondents are female. There are likely two factors contributing to this mix. First, women are, in general, more likely to answer the phone than men. In addition, we asked to speak to the person in the household who was most responsible for the household’s garbage and recycling — a household task that often falls to women.

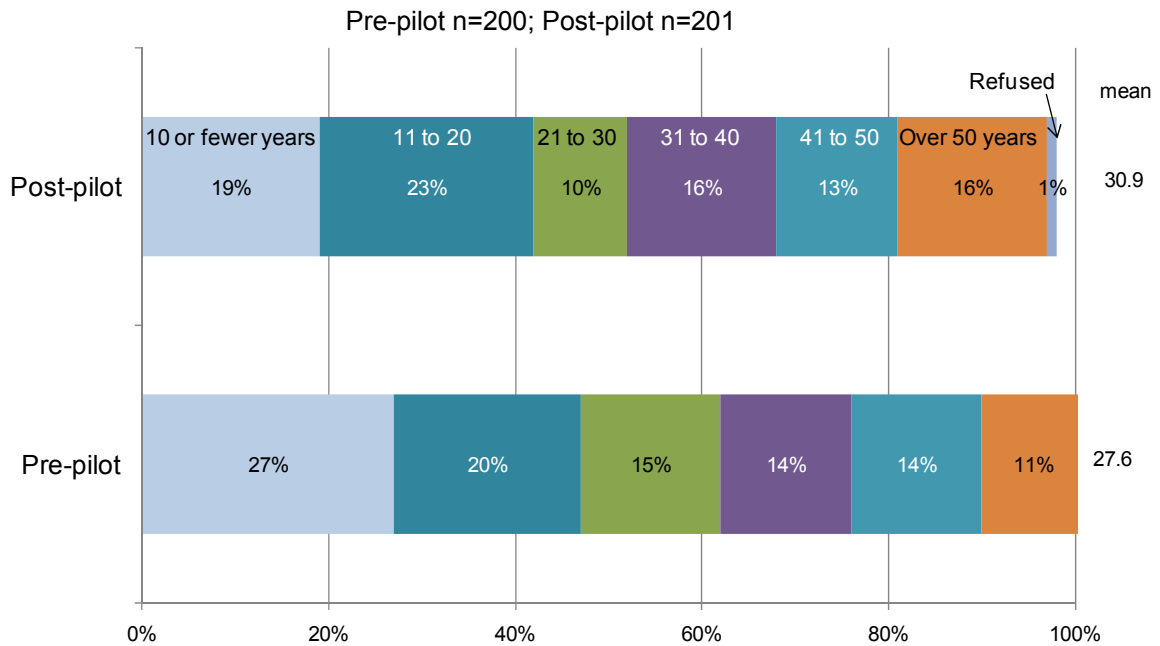
### Gender



- ▶ **Most respondents are longtime residents of Portland.** For both the pre- and post-pilot surveys respondents are most likely to have lived in Portland at least 20 years. The average (mean) number of years living in Portland for respondents to the pre-pilot survey is 27.6 years and the average for the post-pilot survey is slightly longer — 30.9 years.

### Number of years living in Portland

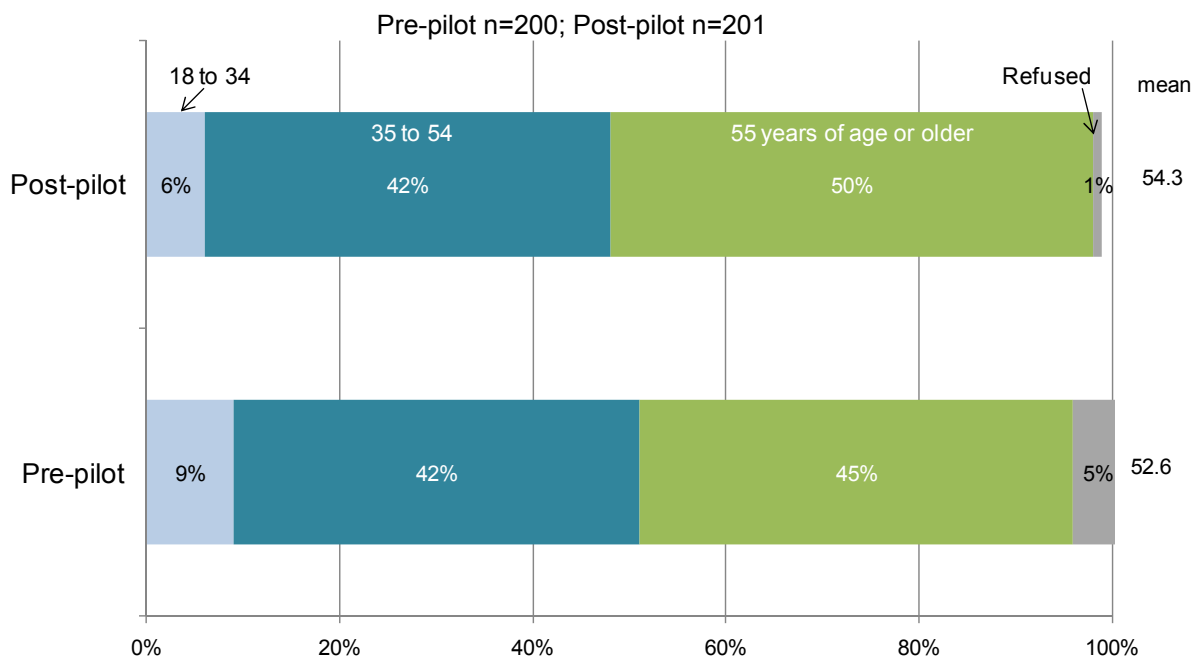
Q: How long have you lived in the City of Portland?



- ▶ **Respondents are frequently baby boomers.** The average age for respondents for both the pre-and post-pilot program respondents is in the early 50s and close to half are 55 years of age or older.

### Age

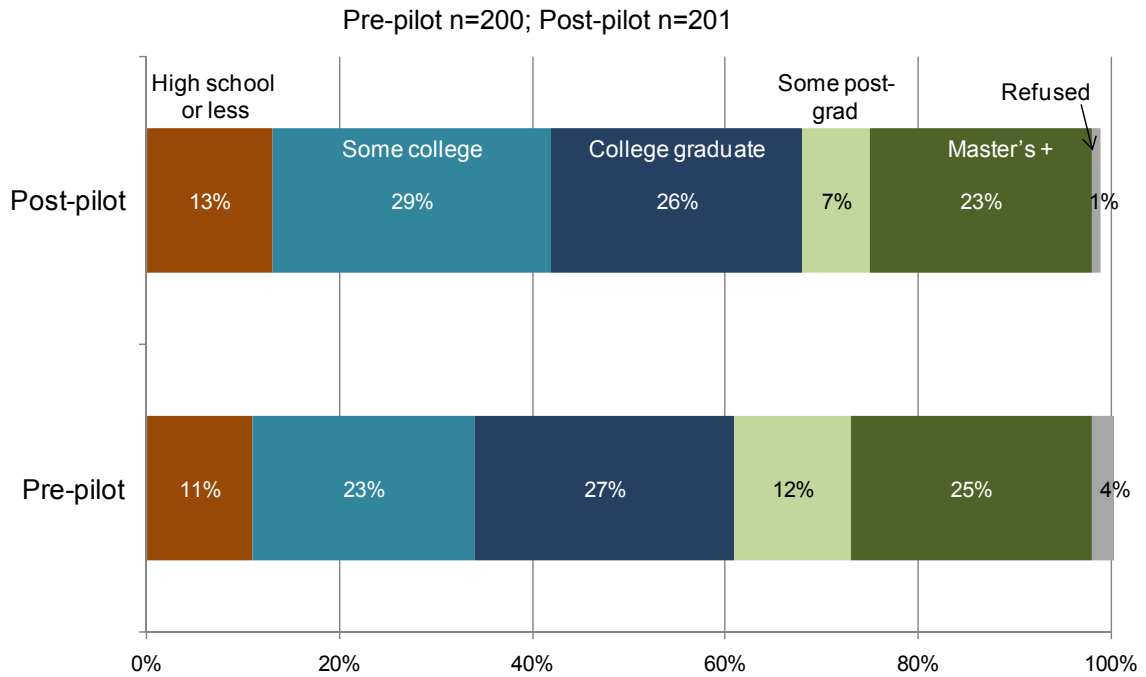
Q: What is your age, please?



- ▶ **Majority have at least a college degree.** Residents in the pilot areas tend to be well educated. About 6 in 10 respondents in both the pre- and post-pilot surveys have at least a college degree and about one-quarter have a master’s degree or better.

### Education

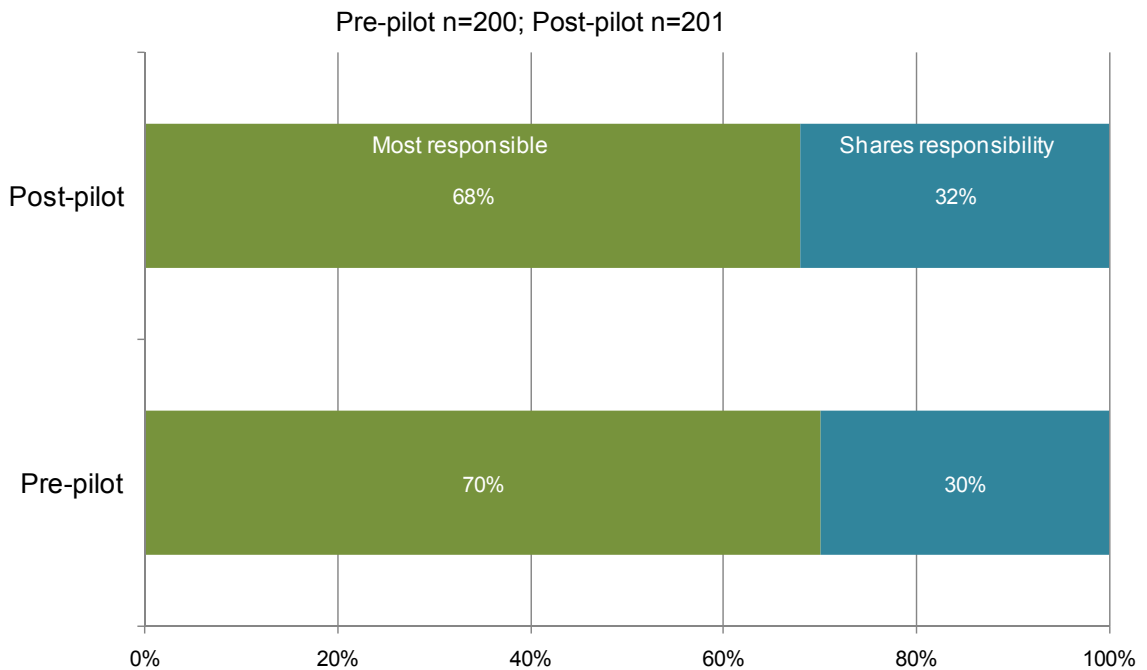
Q: *What is the last year of education you had the opportunity to complete?*



- ▶ **In most households it appears that one individual takes the lead on garbage and recycling issues.** In order to qualify for the research, respondents had to indicate that they are either the individual most responsible for the household’s garbage and recycling or that they share the responsibility with others. For both the pre- and post-pilot program surveys, about 7 in 10 say they are most responsible, indicating that in most households the task of managing garbage and recycling is primarily delegated to one individual.

**Responsibility for garbage and recycling**

Q: *And just to confirm, are you the person in your household who is most responsible for your household’s garbage and recycling, do you share this responsibility, or is this someone else’s responsibility?*

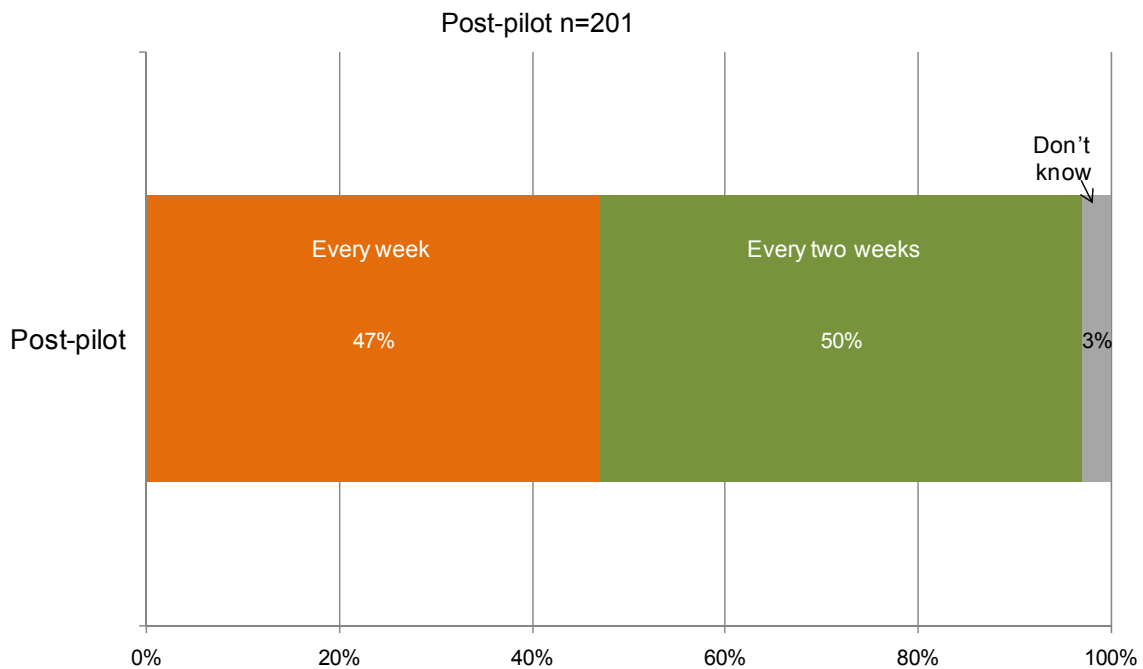




- ▶ **Among post-pilot survey respondents, about half say their recycling is picked up every week and half every other week.** As part of the pilot project, approximately half of the households had their blue recycling roll cart picked up every week (same as current system) and half every other week. This 50/50 split is reflected in the respondents to the post-pilot survey, as approximately half indicated their blue cart is picked up every week (47%) and half said it is every two weeks (50%).

**Frequency of recycling pickup – Post-pilot**

Q: *In some pilot project households, how often the blue recycling roll cart can be put out changed from every week to every two weeks. How often is your household allowed to put out your blue recycling roll cart? Can you do this every week or has it been changed to every two weeks?*



**FOCUS GROUP PARTICIPANTS ALSO ARE MOST LIKELY TO BE HOMEOWNERS AND LIVING IN SINGLE FAMILY HOMES. ONE GROUP IS RECRUITED TO SPECIFICALLY INCLUDE ONLY RENTERS.**

Three focus groups were conducted – one group with those who indicated they are collecting household food scraps for the green yard roll cart on a daily basis, one with those who indicated they are collecting food scraps for the green roll cart on a weekly or monthly basis, and one with those who indicated they rent, rather than own, their home.

As could be expected, the demographics of the participants in the daily and weekly/monthly food scraps collector groups are very similar to the demographics of the telephone survey sample. They are most likely to be female, live in single family homes, and have lived in Portland for many years. Even many of the renters fit this profile, although that group was more likely to have younger participants.

## II. Pre-Pilot Project Garbage & Recycling Attitudes & Behaviors

**MOST RESIDENTS IN THE PILOT AREAS ARE VERY SATISFIED WITH THEIR CURRENT GARBAGE AND RECYCLING SYSTEM PRIOR TO THE IMPLEMENTATION OF THE PILOT FOOD SCRAPS COMPOSTING PROGRAM.**

The purpose of the pre-pilot project survey was to determine attitudes and behaviors prior to the implementation of the Food Scraps Composting Program. These findings were used to assist in the design of communications materials to be used with residents in the four pilot areas.

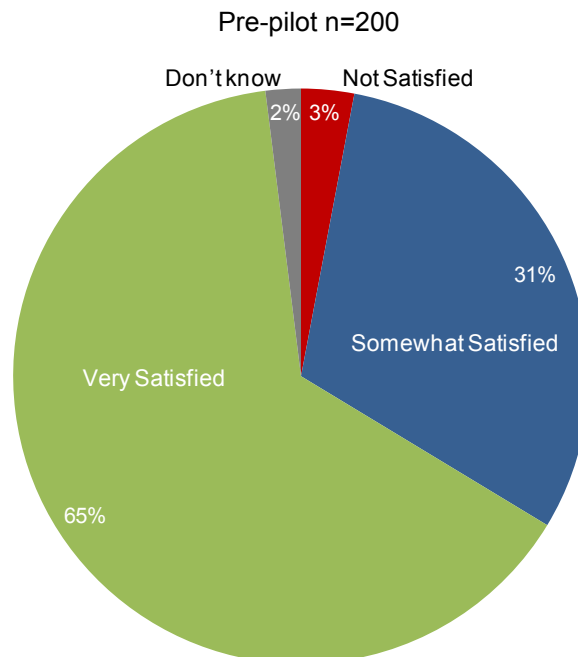
The first question asked of residents in the pre-pilot program survey was how satisfied they are overall with Portland’s current garbage and recycling system. A three-point scale was used. Findings reveal a very high level of satisfaction with the current system prior to the implementation of the Food Scraps Composting Program — two-thirds say they are very satisfied and only 3% indicate they are not satisfied at all.

There were some differences by pilot project area in the percentage who are very satisfied with the current system. Inner SE was most satisfied (72% very satisfied) and Outer SE was the least satisfied (54%). Southwest and Central NE both generated average very satisfied ratings (66%). However, it is important to note that the percentage of residents who say they are not satisfied at all is essentially the same for all four areas — 4% for SW and Central NE and 2% for Inner and Outer SE.

This question was also repeated during the post-pilot program survey and those results will be discussed beginning on page 18.

### Satisfaction with current garbage & recycling system – Pre-pilot program

Q: *First, the major elements of Portland’s current garbage and recycling system include the blue roll cart for recycling, the green yard debris roll cart, and your garbage container. Overall, how satisfied are you with Portland’s current garbage and recycling system? Would you say you are very, somewhat, or not satisfied at all with the current system?*



**VAST MAJORITY OF PILOT AREA RESIDENTS PUT THEIR GARBAGE OUT WEEKLY AND MOST PUT OUT THEIR BLUE CART WEEKLY PRIOR TO THE PILOT PROGRAM.**

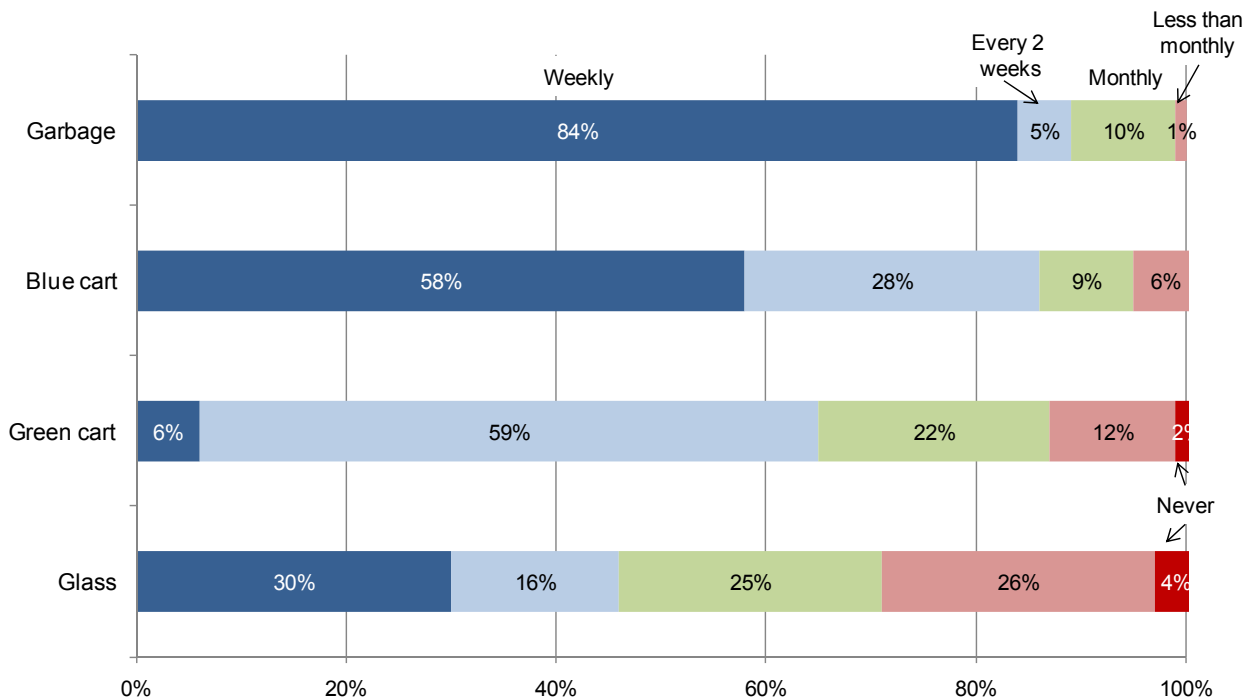
When asked prior to the implementation of the Food Scraps Composting Pilot Project how often they put out various garbage and recycling containers, almost all residents of the pilot areas — 84% — say they put their garbage out weekly. There is no difference by pilot area. A majority — 58% — also put the blue cart out every week. There are some differences in blue cart set out by area, with SW being most likely to put their blue cart out weekly (72%) and Central NE being least likely to put the blue cart out weekly (50%).

Prior to the Food Scraps Pilot Project, most residents were putting their green yard debris roll cart out every two weeks (59%) and only 2% indicated they never put their green cart out.

**Frequency of putting out garbage & recycling – Pre-pilot**

Q: *Now, how often, if at all, does your household currently set out (ITEM) at the curb? Do you set it weekly, every two weeks, once a month, or less than once a month? And how about*

Pre-pilot n=200



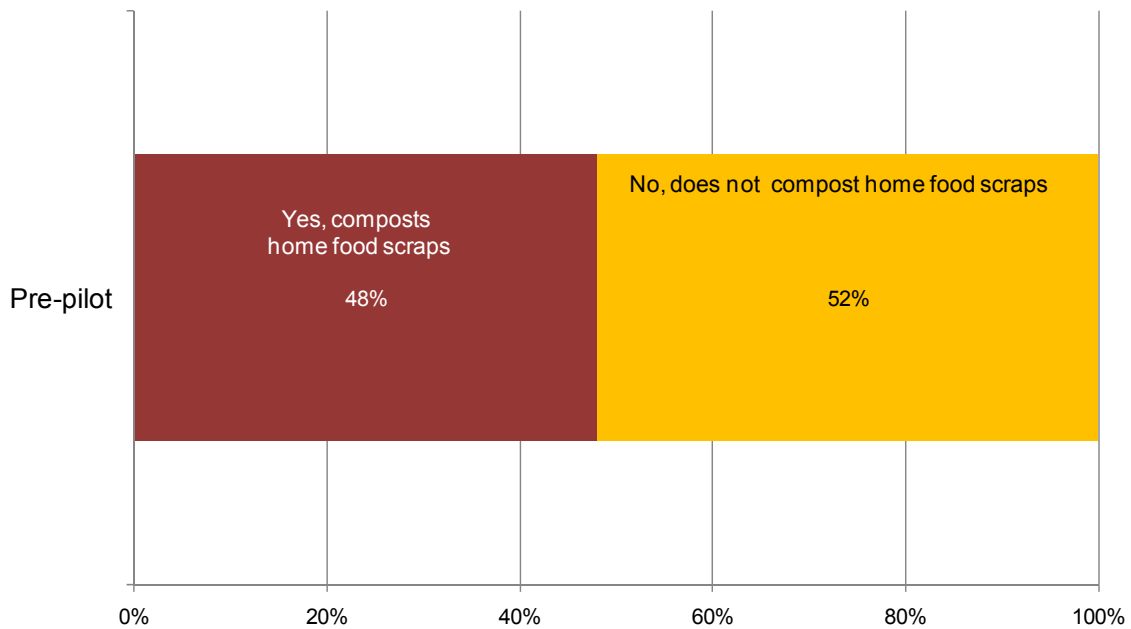
**ABOUT HALF DO SOME COMPOSTING OF FOOD SCRAPS PRIOR TO THE PILOT PROJECT'S IMPLEMENTATION.**

Residents were also asked prior to the start of the pilot project if their household did any composting of food scraps. About half of residents said they were composting food scraps prior to the start of the Food Scraps Composting Pilot Program. There were essentially no differences on this question by pilot area.

**Composting of food scraps – Pre-pilot**

Q: *Does your household currently compost any food scraps?*

Pre-pilot n=200



**WHEN TOLD ABOUT THE FOOD SCRAPS COMPOSTING PILOT PROJECT, MOST RESIDENTS INDICATE A WILLINGNESS TO PARTICIPATE IN THE PROGRAM.**

When asked to agree or disagree with the statement, “Once the food scraps program begins, I will put food scraps in my green yard debris cart,” a strong majority indicate they will participate by agreeing, either strongly or somewhat, with the statement. Only one-quarter disagree.

There are differences by pilot area on this statement.

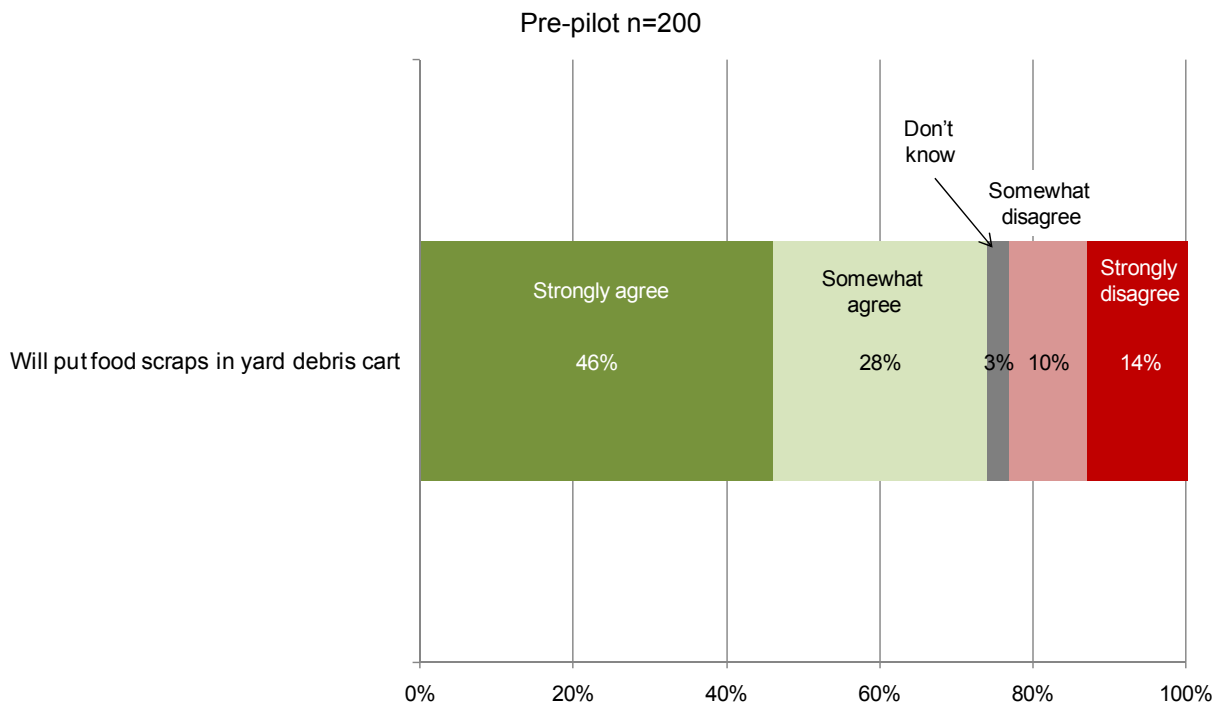
- ▶ **Residents in Central NE and Inner SE are most likely to indicate they will participate.** Strong agreement with the statement is highest in Central NE and Inner SE. In both areas 54% strongly agree they will participate in the Food Scraps Composting Program.
- ▶ **Most in Outer SE agree they will participate, but are less enthusiastic than Inner SE and Central NE.** Among those residents in the Outer SE pilot area, 8 in 10 indicate they will participate in the Food Scraps Composting Program. However, strong agreement with the statement is much lower than in the Inner SE and Central NE. Only 3 in 10 strongly agree with the statement while 5 in 10 agree somewhat.
- ▶ **Residents in the Southwest pilot area are least likely to believe they will participate.** A little over one-quarter of the respondents from the SW pilot area indicate they will not participate in the program by strongly *disagreeing* with the statement.

Differences are also seen by age, with those 55 and older being less likely to strongly agree they will participate (37%) than those under 55 (54%). The segment that is most likely to strongly agree with the statement is the small segment of those with children aged three and under (65%).

**Willingness to participate in food scraps program – Pre-pilot**

Q: Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement:

*Once the food scraps program begins, I will put food scraps in my green yard debris cart.*



**WHILE WILLING TO PARTICIPATE IN THE FOOD SCRAPS PROGRAM, MANY APPEAR CONCERNED ABOUT HAVING THEIR GARBAGE PICKED UP EVERY TWO WEEKS RATHER THAN EVERY WEEK.**

Pilot area residents were also asked to agree or disagree with two statements that address the other changes to their current garbage and recycling system that are coupled with the beginning of the Food Scraps Composting Program — having garbage and the blue recycling roll cart picked up every two weeks rather than every week.

Having the blue recycling cart picked up less frequently generates much less concern than a reduction in garbage pickup prior to the implementation of the Food Scraps Program. Almost 7 in 10 agree that having the blue cart picked up every two weeks will not be a problem, with 5 in 10 strongly agreeing with the statement. Still one-third disagree with the statement, indicating some level of concern with blue recycling roll cart pickup every two weeks.

Going to every two week pickup of garbage, however, is a concern for about half of the residents in the pilot areas. One-third strongly *disagree* that, assuming they can put food scraps in their green yard debris roll cart, that having their garbage picked up every two week is possible for their household and almost 2 in 10 somewhat *disagree* with the statement. Those segments that are more concerned about going to every two week garbage collection include:

- ▶ **SW is most concerned about garbage collection every two weeks.** Almost half of these residents strongly *disagree* that once food scraps collection is implemented, garbage collection every two weeks will be possible for their household. The level of strong disagreement is about the same in the other three areas — 32% for Central NE, 27% for Inner SE, and 24% for Outer SE.
- ▶ **Not surprisingly, those with larger households are more concerned about a reduction in garbage collection.** Of those with five or more individuals in their household, 58% strongly *disagree* with the concept of garbage being picked up every two weeks. It is worth noting, however, that among the small sample of those with children aged three and under in their household, only 30% disagree with the statement, about the same as the sample as a whole.

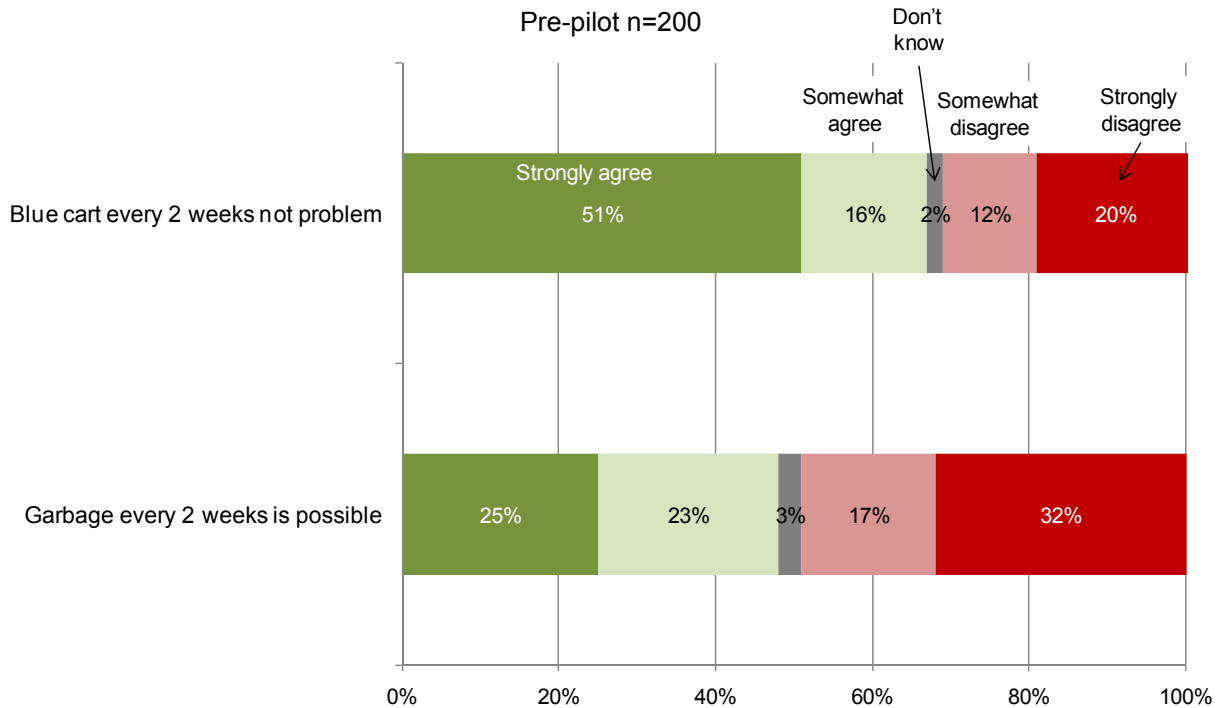
There are no differences for the statement dealing with the blue roll cart by pilot area that are significant at the industry standard 95% confidence level. However, there are some differences at the 85% confidence level. These include those with three or more household members (30% strongly disagree), those under 55, who also tend to have larger households (30% strongly disagree), and those with children aged three or under in the household (30% strongly disagree).

### Reducing frequently of garbage & recycling pickup — Pre-pilot

Q: Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement:

*The blue recycling cart is large enough that picking up recycling every two weeks is not a problem for my household*

*Assuming I can compost food scraps, it will be possible for my household to reduce garbage collection from once a week to every two weeks*



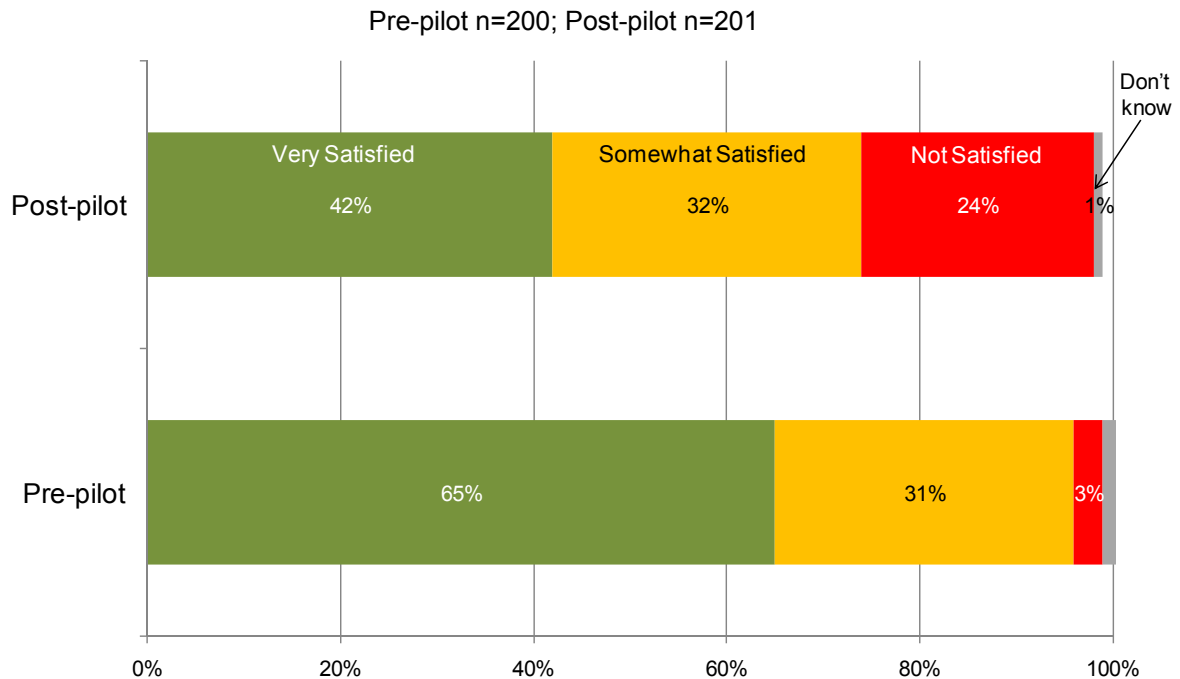
### III. Post-Pilot Garbage and Recycling Behaviors

**AFTER FOUR MONTHS OF EXPERIENCE WITH THE FOOD SCRAPS COMPOSTING PILOT PROGRAM, SATISFACTION WITH PORTLAND’S GARBAGE AND RECYCLING SYSTEM IS DOWN SIGNIFICANTLY.**

The post-pilot survey again asked residents of the pilot areas to rate their satisfaction with the City of Portland’s garbage and recycling system. Results show that the implementation of the food scraps program has caused a significant number of residents to become disenchanted with Portland’s system. The percentage of residents who are “not satisfied at all” with the system went from a very low 3% to a relatively high 24% of residents. At the same time, the percentage of residents who are “very satisfied” fell from 65% to 42%. The percentage who are “somewhat satisfied” stayed essentially the same — 31% in the pre-pilot survey and 32% in the post-pilot survey.

#### Satisfaction with current garbage & recycling system – Pre- & post-pilot

Q: *First, the major elements of Portland’s current garbage and recycling system include the blue roll cart for recycling, the green yard debris roll cart, and your garbage container. Overall, how satisfied are you with Portland’s current garbage and recycling system? Would you say you are very, somewhat, or not satisfied at all with the current system?*





**POST-PILOT SATISFACTION WITH THE GARBAGE AND RECYCLING SYSTEM VARIES SUBSTANTIALLY BETWEEN PILOT AREAS.**

Satisfaction with the current system is highest in Inner SE, where 54% say they are “very satisfied” with the current system. In the other three pilot areas, about 4 in 10 are very satisfied.

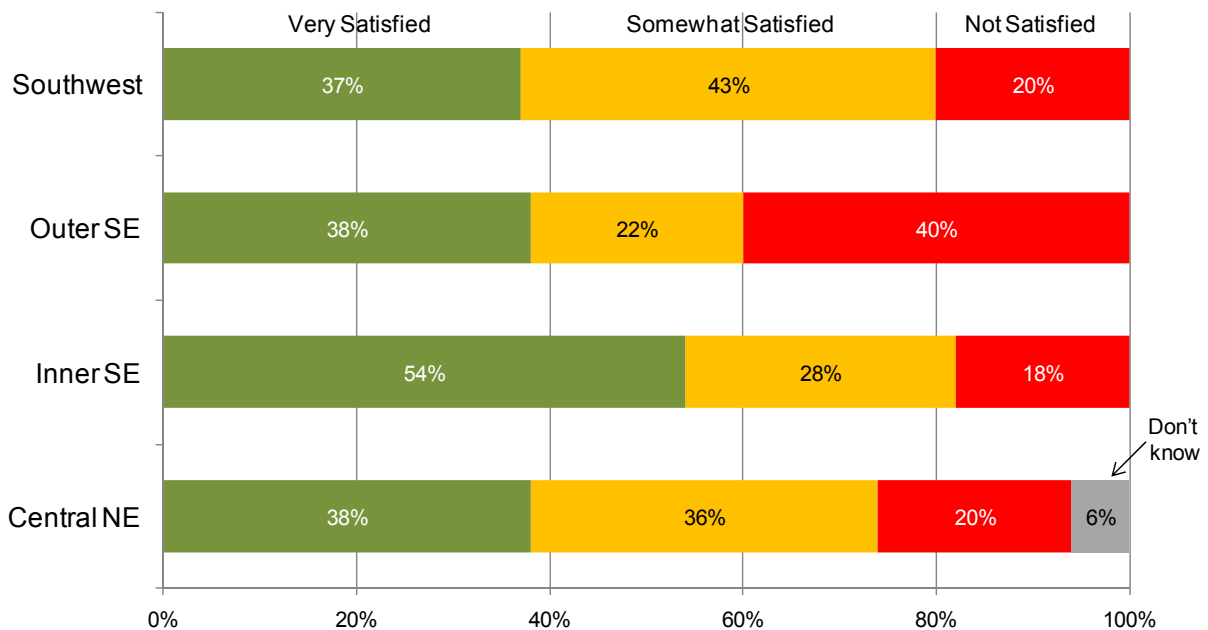
Dissatisfaction with the garbage and recycling system is most pronounced in the Outer SE Portland pilot area. In this area, 4 in 10 residents now say they are not satisfied with the current system that includes food scraps composting, compared to just 2% before the implementation of the pilot program. In the other three areas, currently about 2 in 10 are not satisfied at all with their garbage and recycling.

It is also worth noting that the drop in satisfaction has been greatest in the SW Portland pilot area. In this area there has been a 29 percentage point drop in those who are “very satisfied” — from 66% to 37%. In Central NE the drop is 20 points and it is 18 points in Inner SE. The drop is 16 points in Outer SE, which had the lowest percentage of “very satisfied” residents in the pre-pilot survey (54%).

It is important to note that there is **no** difference in satisfaction based on frequency of blue recycling cart pickup. Among those with weekly recycling pick up, 39% are very satisfied and 26% are not satisfied. Among those with recycling pickup every two weeks, 43% are very satisfied and 23% are not satisfied.

**Satisfaction with current garbage & recycling system by pilot area – Post-pilot**

SW n=51; Outer SE n=50; Inner SE n=50; Central NE n=50



**FOOD SCRAPS PROGRAM APPEARS TO HAVE HAD A SUBSTANTIAL IMPACT ON FOCUS GROUP PARTICIPANTS' IMPRESSION OF PORTLAND'S GARBAGE AND RECYCLING SYSTEM.**

In the first focus group, made up of pilot area residents who say they are collecting food scraps for the green yard debris cart on a daily basis, the moderator started by asking participants a general question about what they liked about the current garbage and recycling system. Participants, however, were not particularly interested in talking about garbage and recycling in general, they wanted to talk specifically about the Food Scraps Composting Program. Whether they liked or didn't like the program, implementation of the Food Scraps Composting Program clearly has impacted their impression of the entire system. This is not surprising given that they perceive the Food Scraps Composting Program to have affected the entire system — adding the ability to compost their food scraps while reducing their garbage collection schedule and, for many, reducing their recycling collection. And, while there are those who are pleased that the City picked their neighborhood for the pilot and even report that they have friends who “are jealous and want to collect food scraps too,” many report dissatisfaction, primarily due to a reduction in either or both their garbage and their blue recycling roll cart pickup.

It is also important to note that participants in all the groups consistently point out that the Food Scraps Composting Program is not a voluntary program. “It's mandatory, you have to do it because they don't pick up your garbage every week now.” In addition, participants in the groups are frequently confused by statements in the brochure sent to each household that indicate they can return to weekly garbage pickup after a month, if they choose to. Most initially believed the statement means they can return to weekly garbage collection without an additional charge since this is a pilot program. The confusion contributes to a belief by many that the program is a “snow job” and that the City was not upfront about the rules at the beginning of the pilot program. “We didn't have a choice. They said you could go back to the old system in a month, but at double the price! That's not a voluntary program.”

**ALMOST ALL POST-PILOT SURVEY RESPONDENTS KNOW THEY ARE PART OF THE FOOD SCRAPS COMPOSTING PILOT PROJECT. HALF SAY THEY ARE COLLECTING FOOD SCRAPS FOR THE GREEN YARD DEBRIS ROLL CART EVERY DAY.**

Not surprisingly given the changes to their garbage and recycling service, only 2 of the 201 post-pilot program survey respondents did not know their household was part of the Food Scraps Composting Pilot Program.

All respondents who know that their household is part of the Food Scraps Composting Pilot Program were asked how often their household collects food scraps for their green yard debris roll cart.

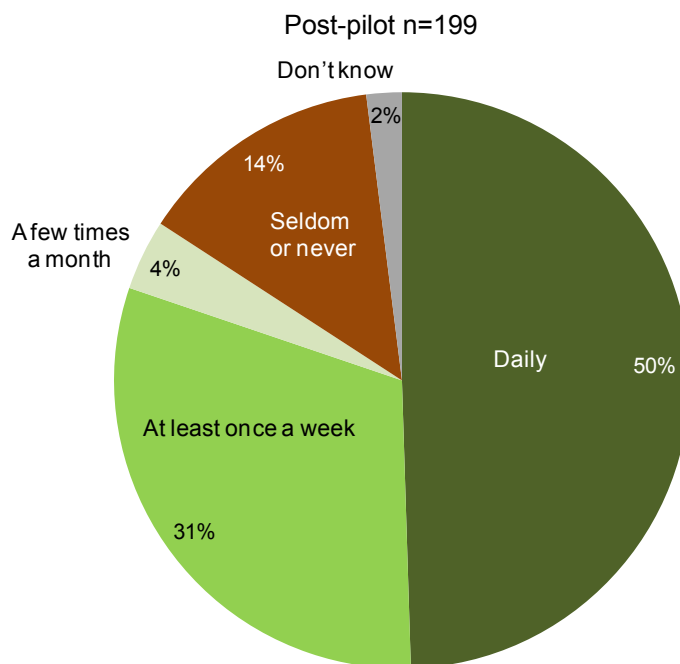
Overall, participation appears to be very good for the initial implementation of a program that requires a significant change of behavior. Half of the residents in the pilot areas say they are collecting food scraps for the green yard debris roll cart on a daily basis and another one-third say they are doing it at least once a week. Few (4%) are doing it just a few times a month. This leaves only 14% who say they seldom or never collect scraps for their green yard debris roll cart.

Note that this level of participation is just slightly higher than what was predicted by the pre-pilot survey when 74% agreed with the statement, “Once the food scraps program begins, I will put food scraps in my green yard debris cart.”

Also not surprisingly, the level of participation in the Food Scraps Composting Program among the pilot households has a major impact on their satisfaction with the entire garbage and recycling system. For example, among those who are collecting food scraps on a daily basis, 53% are very satisfied and only 14% are not satisfied with their garbage and recycling system. However, only 13% of those who seldom or never collect their food scraps for the green yard debris roll cart are very satisfied while 52% are not satisfied.

**Frequency of collecting food scraps for the green yard debris roll cart – Post-pilot**

Q: *Households in the food scraps composting pilot project neighborhoods can put household food scraps in their green yard debris roll cart and this cart is now picked up every week. How often does your household collect food scraps for your green yard debris roll cart? Do you collect household food scraps for the green roll cart . . .*



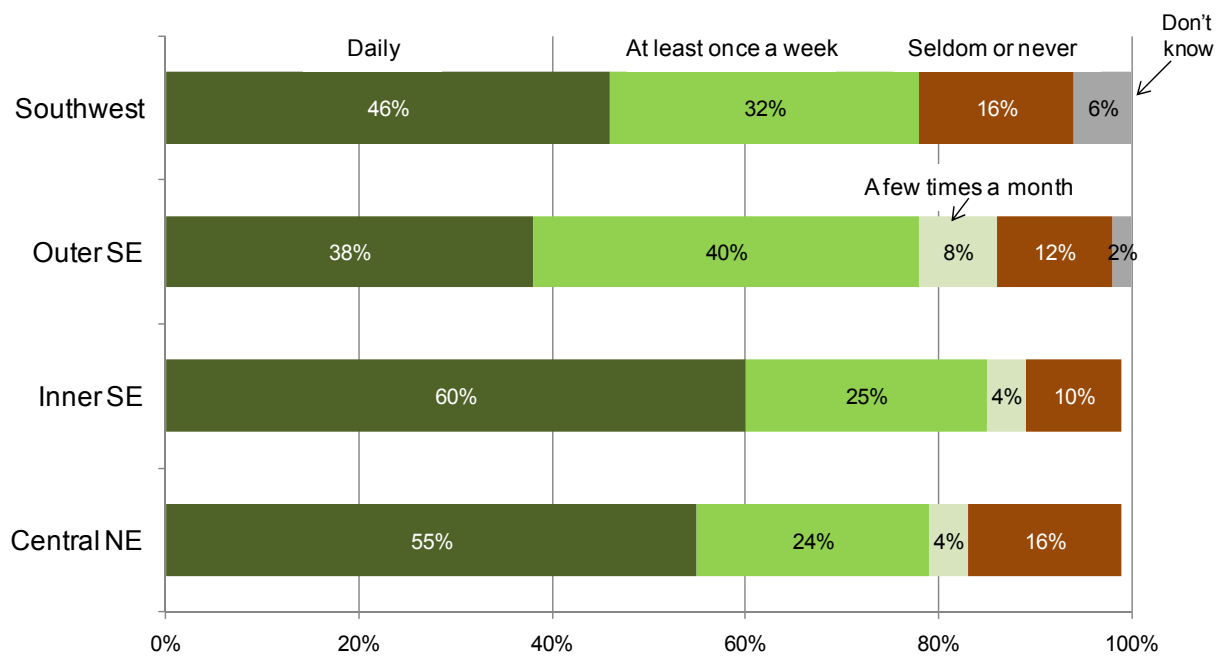
**PARTICIPATION VARIES BY PILOT AREA.**

Not surprisingly, given other findings, participation in the Food Scraps Composting Program does vary by area of Portland. However, it is worth noting that in all of the pilot areas, about 8 in 10 households indicate some level of participation.

Daily collection of food scraps is highest in Inner SE (60%) and Central NE (55%). It is lower in Southwest (46%) and lowest in Outer SE (38%).

**Frequency of collecting food scraps for the green yard debris roll cart by pilot area – Post-pilot**

SW n=50; Outer SE n=50; Inner SE n=50; Central NE n=49



**BY DESIGN, MOST HOMEOWNERS ARE PARTICIPATING IN THE FOOD SCRAPS PROGRAM. RENTERS ARE LESS LIKELY TO PARTICIPATE.**

It is important to remember in reviewing these results that the focus groups were designed so that there is one group of homeowners who indicate they are collecting food scraps for the green yard debris bin on a daily basis, one with homeowners who say they are collecting food scraps for the green yard debris bin on a weekly or monthly basis, and one group of renters who may or may not be collecting food scraps. No groups were held with homeowners who are not currently participating in the program.

By design, then, all of the participants in the two homeowner groups are aware of the program and all say they are collecting food scraps. Interestingly, the distinction between “daily” and “weekly or monthly” made little or no difference in the attitude of participants toward the program or in the amount of food scraps they appear to be collecting for the green yard debris roll cart. In fact, those participants in the weekly group are, if anything, more positive about the program than those in the daily group. In part, this may have been due to two very verbal participants in the daily group who are not pleased with the Food Scraps Program – one man who is composting daily, but in his backyard, and is upset about the new system, and one woman who, although she tried the system, is not currently collecting any food for composting. However, in reviewing the video it appears that the words “daily” and “at least once weekly” are misleading when asking people how often they are collecting food scraps for the green yard debris roll cart. Some people say daily because they are collecting food scraps in their kitchen on a daily basis. However, many of those who are doing the same thing say “weekly” because, while they are collecting on a daily basis in the kitchen, they are taking the kitchen pail out to the green yard debris roll cart only a few times a week.

Probably not surprisingly, awareness and participation of the program is somewhat lower in the renter group. As noted earlier, it is difficult to locate renters in the pilot area from the hauler lists because landlords are required in Portland to provide garbage and recycling service to their tenants. As a result, if the property is a rental, the phone numbers on the hauler lists are most often those of the landlord, not the tenant. In order to increase participation from renters, prior to the post-implementation survey and focus groups, if there are different service and billing addresses on the hauler list, that address was sent through a list matching service. Of the renter group, about half the participants were recruited from this list and the other half were located using lists provided by the recruiting company. Of those located using the hauler lists, all knew about the food scraps program and all but one indicated they are collecting food scraps for the green yard debris roll cart. However, those located from the recruiter lists often indicated they did not know their home was in the pilot project area. And in fact, several of these participants, once their address was checked, did not live in the pilot area. However, several did. During the groups, these participants did not initially recall being in the pilot area. However, after being shown material sent by the City both of these participants indicated they had seen the materials, with one commenting, “Oh, I saw that, but I just threw it away.”

**MOST FOCUS GROUP PARTICIPANTS LIKE THE IDEA OF FOOD SCRAPS COMPOSTING, BUT OFTEN DISLIKE NOT HAVING THEIR GARBAGE AND/OR RECYCLING PICKED UP EVERY WEEK.**

Very few of the participants in the three focus groups are willing to say that the concept of food scraps collection is a bad idea, even if they don't like how it is currently being implemented. "I would rather do something positive with my food scraps." "I do food scraps composting because it is a good idea." "I love the idea of doing something better with my food scraps." "I feel bad about putting food scraps in the trash. Now I feel better." In addition, several who were doing some backyard composting of their food scraps prior to the beginning of the Food Scraps Composting Project say that the Food Scraps Program is an easier, better way to deal with food scraps. "The City has made it easy to do. It is easier to have the City take it away and not have the bugs and stuff in your backyard."

Even for those who like the idea of food scraps collection, however, there are major concerns that arise with the Food Scraps Composting Program:

- ▶ **For many, not receiving weekly garbage pickup.** About half of the groups indicated that having weekly garbage pickup was a problem for their household. "I really have to work to get all the garbage in. I am sure the can is heavier that it used to be when they pick it up." In addition, there are also a few that say they were worried about whether there would be more trash in the neighborhood because of the every two week garbage pickup. However, these participants agree that this has not happened, although a few say that "people on my street just leave their garbage containers out on the street all the time because you never know when they are going to pick them up."
- ▶ **For many, a feeling that they were "forced" into food scraps recycling.** "It is good to do, but we were forced into it. Every two week garbage forced us into it." "Garbage is only picked up every two weeks, so we were forced to do it. Our family has a lot of garbage."
- ▶ **Food scraps composting will attract fruit flies, insects, worms, and rodents.** This concern is typically much greater prior to the program than after it. None report problems with rodents after starting to collect food scraps. However, some do say that fruit flies were a problem and several were unhappy with an increase in worms.
- ▶ **For many, using the green yard debris roll cart as the curbside container because it is too big.** "I don't want to put three gallons of whatever into a 50 gallon can."
- ▶ **Some of those who went to recycling pickup every two weeks say they don't like not having weekly recycling pickup.** "I want weekly pickup of all the paper my household generates."

**VAST MAJORITY OF SURVEY RESPONDENTS INDICATE THEY ARE COLLECTING FOOD SCRAPS BOTH DURING PREPARATION AND AFTER THE MEAL.**

Survey respondents who say they are participating at some level in the food scraps collection program were asked whether they collect food scraps for the green yard debris roll cart during food preparation, from plate scrapings after a meal, or both. The vast majority (88%) say that they collect food scraps during both food preparation and from plates after the meal.

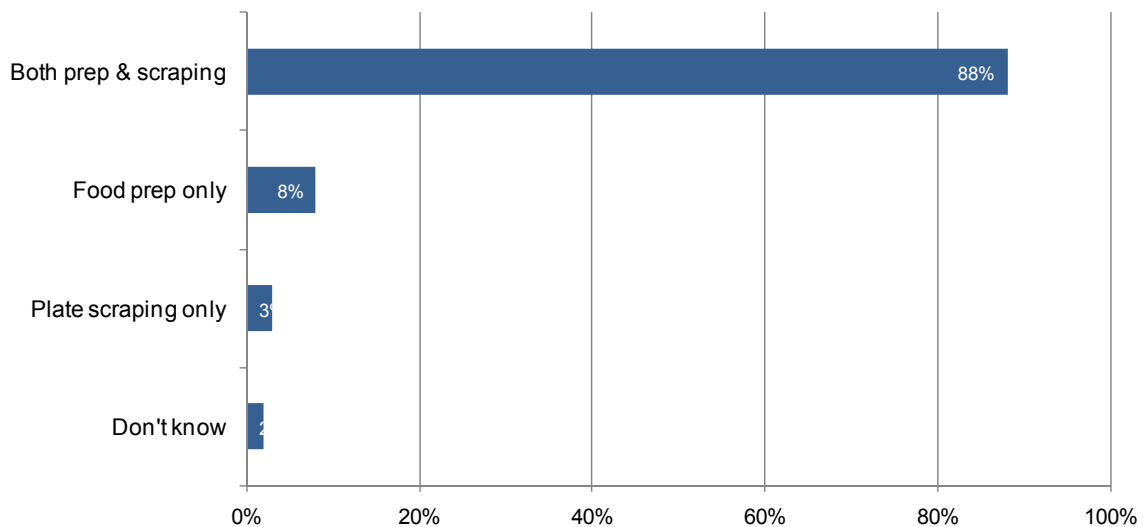
During the groups, participants all indicate they believe they are collecting more food scraps during food preparation than after the meal. Most seem to believe that their family eats all the food on their plates during a meal and there is little left. Some do say they know families that “don’t eat leftovers” but few are willing to say that describes their family.

**When food scraps collected – Post-pilot**

Asked of those who collect food scraps at least a few times a month

Q: *And when your household collects food scraps for the green yard debris roll cart, are these food scraps coming from food preparation, plate scrapings after the meal, or both?*

Those who collect food scraps at least a few times a month post-pilot, n=168



**FOCUS GROUP PARTICIPANTS OFTEN STRONGLY BELIEVE THEY ARE COLLECTING ALL THE FOOD SCRAPS THEY CAN.**

Among both daily and weekly composters in the focus groups, including both homeowners and renters, if they are collecting food scraps for the green yard debris roll cart, they believe they are collecting all the food scraps their household generates. They indicate that they are collecting scraps at all meals, not differentiating between meals. However, many focus group participants also indicate that, with few exceptions, food left on the plate at the end of a meal is put down the garbage disposal. “That’s what the garbage disposal is for.” A couple note that they wouldn’t want to put some food in the kitchen pail, “like oatmeal,” that’s gooey because the food would stick to the sides of the pail and “make a mess.” Others say they don’t collect bones because, “that’s what the dog is for, to eat the bones.”

When asked if they are collecting more food scraps during food prep or after the meal is completed, many say food preparation generates the bulk of their food scraps because their members of the household seldom leave food on their plates at the end of a meal. “There’s nothing left on the plate to scrape.”

Most participants are also rather enthusiastic about the ability to put spoiled food into the green yard debris roll cart. There are, however, one in each group that say, “I flush the really bad stuff down the toilet,” or that “if it is really bad, I put it in the garbage — container and all.”

**AWARENESS HIGHEST AMONG POST-PILOT PROJECT SURVEY RESPONDENTS THAT FRUITS AND VEGETABLES, BREAD, PASTA, AND GRAINS, AND MEAT AND POULTRY CAN GO INTO THE GREEN YARD DEBRIS ROLL CART.**

Survey respondents were asked one of two questions depending on whether or not they are currently collecting food scraps for the green yard debris roll cart. If they are participating they were asked which of a list of food items they are currently collecting for the green roll cart. If they are not participating, they were asked which of the list they believe households can now put into the green roll cart.

Looking at the combined responses show that there are three items that at least 8 in 10 are either putting in the green roll cart or are aware it is possible to put in the cart — fruits and vegetables (90%), bread, pasta, and other grains (83%), and meat and poultry (79%).

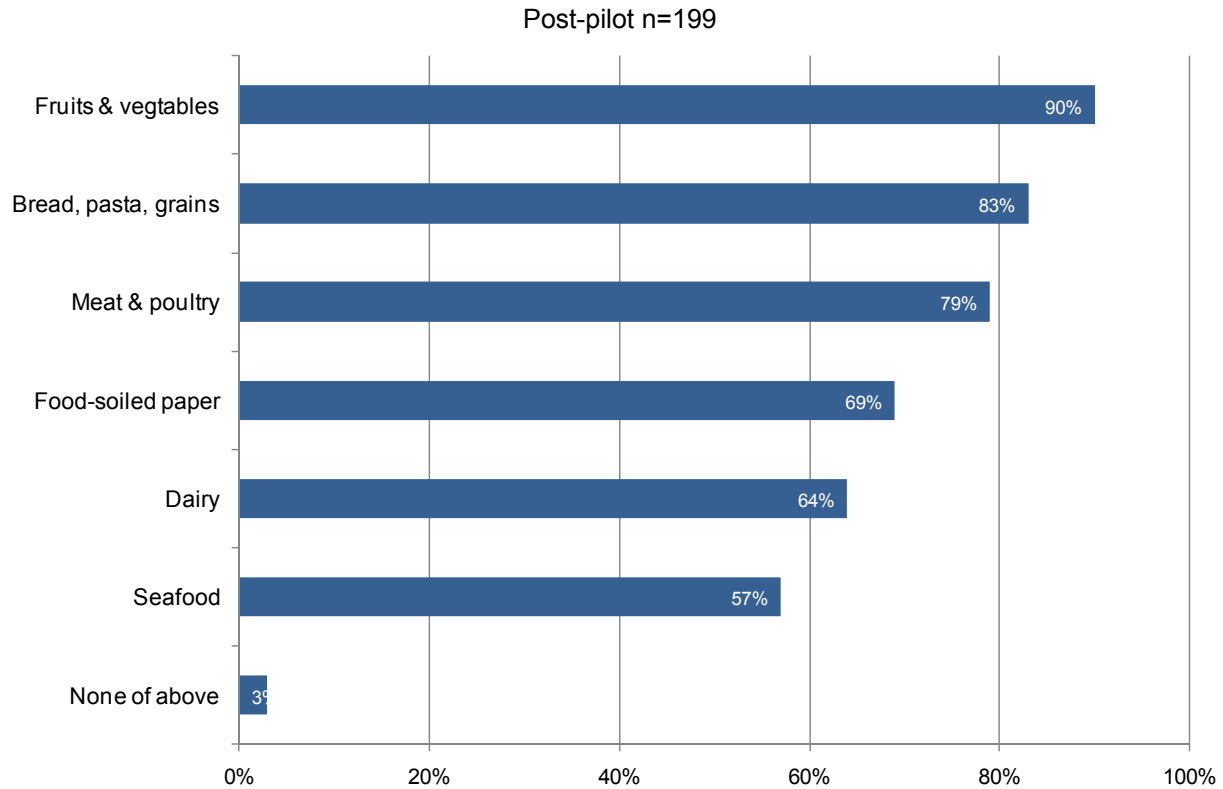
While not as high as the top tier items, the other items on the list are all mentioned by at least 6 in 10, which is not bad for items that few were likely composting in their backyard prior to the Food Scraps Composting Pilot Program. These include food-soiled paper, such as pizza boxes (69%), dairy (64%), and seafood, including shellfish (57%).



### Types of food collected or awareness can be collected – Post-pilot

Q: **If collecting food scraps at least a few times a month:** Which, if any, of the following types of food scraps do you collect for your green yard debris roll cart?

**If seldom or never collecting food scraps for green roll cart:** Based on your understanding of the food scraps composting program, which, if any, of the following types of food scraps are households now able to put in their green yard debris roll cart?



**THOSE WHO ARE COLLECTING FOOD SCRAPS ON A DAILY BASIS FREQUENTLY COLLECTING THE FULL RANGE OF FOOD TYPES.**

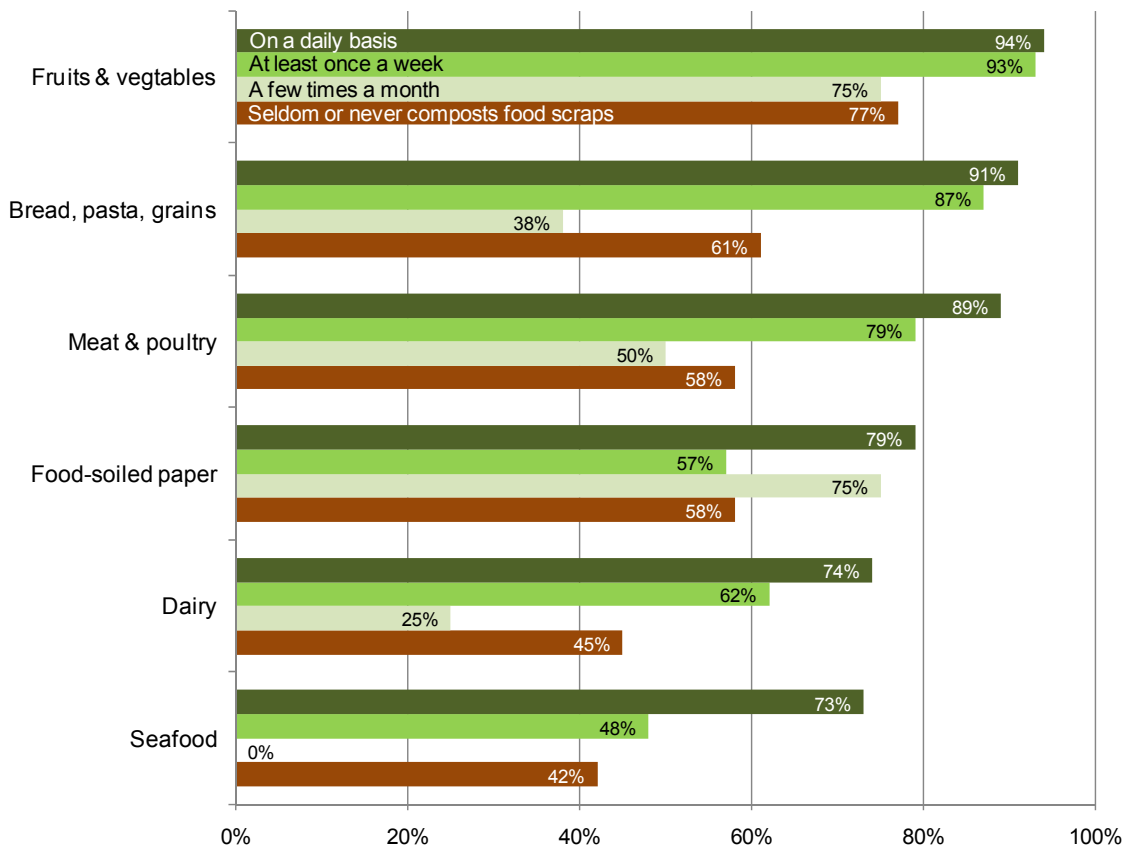
Reviewing the food accepted in the green yard debris roll cart by frequency of participation reveals, not surprisingly, differences based on how often the respondents say they collect food scraps for the green yard debris roll cart. At least three quarters of those who say they are collecting food on a daily basis say they are putting each of the categories into the green roll cart. Those who collect food for the roll cart at least once a week are very likely to be putting fruits and vegetables (93%), breads, pasta, and grains (87%), and meat and poultry (79%) in the roll cart. However they are much less likely to be putting in food-soiled paper (57%), dairy (62%), and seafood (48%).

Those who seldom or never collect food scraps for the green roll cart clearly are often unaware of the range of foods that can be put in the roll cart. Their awareness is lower than either the daily or weekly collectors for all food categories.

The sample of those who collect food monthly is so small (8), these results should be considered qualitative in nature.

**Types of food collected or awareness can be collected by frequency – Post-pilot**

Daily n=94; Weekly n=61; Monthly n=8; Seldom or never n=31



## FOCUS GROUP PARTICIPANTS INDICATE THAT DAIRY IS PERCEIVED AS TOO “RUNNY” AND SEAFOOD TOO “SMELLY” FOR COLLECTION.

Participants in the weekly/monthly and renters focus groups filled out a questionnaire to indicate which foods they were collecting for the green yard debris roll cart. Their responses confirmed the findings from the survey. In both of these groups, collecting bread, pasta, beans, and other grains, soiled pizza boxes, fruits and vegetables, meat and poultry were common, with 7 or 8 of the 9 weekly/monthly participants and 4 or 5 of the 5 renters who are collecting food scraps saying they regularly collect this type of food for the green yard debris roll cart. However, both dairy and seafood is collected much less often. Reasons for not collecting specific types of food include:

- ▶ **Those not collecting dairy are often surprised that a full range of dairy can be accepted because many dairy products are perceived to “too runny” for the roll cart.** While a few participants indicate they put cheese in the green roll cart, many other say that, in general, dairy products are too close to a liquid to put in the roll cart. Yogurt and cottage cheese are often specifically mentioned as too runny for including. Leftovers of these products, participants say, are typically put down the garbage disposal.
- ▶ **Many worry about the smell of seafood products.** While a few participants say they don’t collect seafood because they don’t eat it, most who don’t collect (5 of 9 weekly/monthly collectors and 3 or 5 renters who collect) say it because of the smell. “Wow, the green bin would really smell if you put fish in it.” One participant even says she is considering only serving fish on Thursday nights since their green yard debris roll cart is picked up on Fridays.
- ▶ **If meat and poultry are not being collected, it is because they are perceived as either too smelly, or there is concern about rodents being attracted to the green roll cart.** Most (7 of 9 weekly/monthly and 4 of 5 renters who collect) say they do put meat and poultry in the green yard debris roll cart, although a few say bones don’t go in because they are given to the dog. Those who don’t put this type of food in the green yard debris roll cart are often worried about attracting rodents.
- ▶ **If they don’t collect fruits and vegetables, it is most often because they are collecting those for their backyard compost.** A majority ( 7 of 9 weekly/monthly and 5 of 5 renters who collect) indicate they do collect fruits and vegetables for the green yard debris roll cart. However, there are a handful who say they put these foods in their backyard compost.

## FOCUS GROUPS REVEAL A GREAT DEAL OF CONFUSION ABOUT WHICH PAPER PRODUCTS CAN GO INTO THE GREEN YARD DEBRIS ROLL CART.

While most participants in the focus groups say they put any “pizza boxes” they bring home into green yard debris roll cart, there is clearly a good deal of confusion about exactly what types of paper products can be collected for the green roll cart. Specifically:

- ▶ **Most confusing are the “compostable” containers, cups, and utensils offered by delis and fast food restaurants.** Most participants assume that if a container says that it is “compostable,” or “commercially compostable,” then it can go into the green yard debris roll cart.

- ▶ **Paper towels are often thought to be acceptable.** A number of participants in all groups indicate they are putting paper towels into the green yard debris roll cart. Frequently these people say, “they take napkins, so it makes sense they would take paper towels.”
- ▶ **Some believe paper plates can go into the green roll cart.** There is not universal agreement on whether or not paper plates can go into the green yard debris roll cart. However, at least one participant says that they were told by their hauler that paper plates are acceptable for the green roll cart.
- ▶ **A few renters believe they can put paper fast food wrappers in the green roll cart.** While not mentioned in the homeowner groups, several participants in the renter group indicate they believe fast food wrappers, “as long as it isn’t foil,” can be put into the green yard debris roll cart.
- ▶ **That tea bags and coffee filters are acceptable is sometimes a surprise.** A few participants indicate they were not aware that tea bags and coffee filters could be put in the green yard debris roll cart.

**MOST SURVEY RESPONDENTS WHO COLLECT FOOD SCRAPS ARE CLEANING THEIR KITCHEN PAIL AND/OR ROLL CART BY RINSING OR WASHING IT. FEW CURRENTLY USE THE APPROVED COMPOSTABLE BAGS.**

Those survey respondents who recall receiving the kitchen pail distributed by the City were asked if they are using approved compostable bags, newspaper or paper bags, and/or rinsing or washing to keep the kitchen pail and/or the green yard debris roll cart clean.

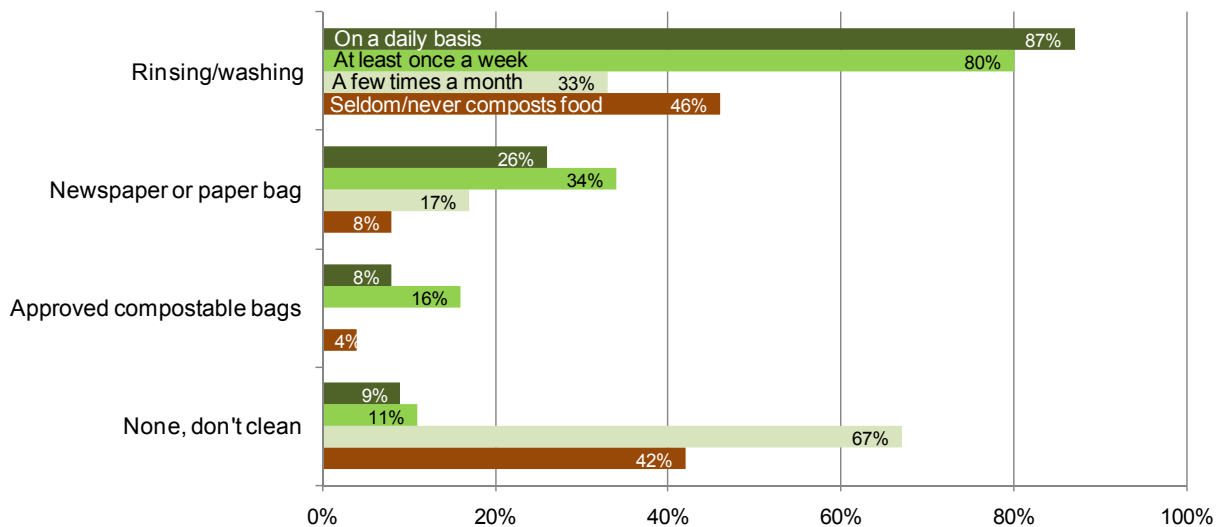
Most of those who are collecting compost for the green roll cart on a daily or weekly basis are making some effort to keep the kitchen pail or green cart clean. Only about 1 in 10 of these two segments indicate they are doing none of the three options to keep the kitchen pail or green yard debris roll cart clean. Most often they simply rinse or wash the pail or roll cart. Only 8% of daily food scrap collectors and 16% of weekly collectors are using the approved compostable bags. More — a quarter of the daily collectors and a third of the weekly collectors — are using either newspapers or paper bags.

It is also worth noting that close to half of those who recall receiving the pail but say they seldom or never collect food scraps for the green roll cart say they are rinsing or washing the pail and/or the roll cart. This likely means they are rinsing or washing their green yard debris roll cart in an effort to keep it clean even without placing food scraps in the roll cart, indicating some level of concern about the cleanliness of the roll cart with just yard debris waste.

**Methods of cleaning kitchen pail or green yard debris roll cart – Post-pilot**

Q: **If recall receiving the kitchen pail from the City:** Which, if any, of the following do you typically use to keep your kitchen pail and/or the green yard debris roll cart clean?

Daily n=95; Weekly n=56; Monthly n=6; Seldom or never n=26



**KEEPING THE KITCHEN PAIL CLEAN IS IMPORTANT TO ALMOST ALL FOCUS GROUP PARTICIPANTS. HOWEVER, KEEPING GREEN YARD DEBRIS ROLL CART CLEAN IS A PROBLEM.**

Probably not surprising, all participants in the focus groups who are collecting food scraps indicate they are making some effort to keep the kitchen pail or other container they are using to collect food scraps clean. The majority appear to be simply washing it with water or “soap and water.” Others, however, indicate that the pail can become “smelly” and therefore requires greater effort. These participants frequently say they would like to be able to put the kitchen pail in the dishwasher, although most say they have not been able to do this because the lid does not come off. Others say they have used bleach to get the smell out, “but just a little bleach.”

There is also a desire by most to be able to clean the green yard debris roll cart. A few participants say they were cleaning out their green yard debris roll cart “a few times a year” prior to the beginning of the food scraps program. However, the vast majority were not and they report a number of issues with keeping the big green cart clean and many, particularly in the weekly/monthly group, have given up. Issues that surround keeping the green yard debris roll cart clean include:

- ▶ **Many say the green roll cart is simply too big to attempt to wash out.** “How am I going to clean out the green cart? The cart is bigger than I am.”
- ▶ **In the summer, many depending on yard debris to help keep the green roll cart clean.** Some report they are careful to put yard debris into the cart before putting any food scraps in, a practice they say do not anticipate being able to continue in the winter.
- ▶ **Only one or two report using newspaper to help keep the green cart clean, but others in the groups are intrigued.** In at least one of the homeowner groups, a participant says that he puts newspaper in the bottom of the green yard debris roll cart to “sop up some of the food waste. It helps keep it clean.” Other participants in the group are very interested in this concept, but were unaware they could put newspaper in the green yard debris roll cart. “I haven’t thought about using newspaper before.” “Can you put newspaper in there? I wish they had told us that.”
- ▶ **Participants are frequently concerned what to do with the waste if they do clean out the green cart.** Several participants point out that if they do hose out the green yard debris roll cart, there is the issue of what to do with the “mess” that would come out. “I am not going to just leave that stuff at the end of my driveway.”
- ▶ **Difficulty with cleaning out green roll cart big part of why they would like a smaller outdoor container for food scraps.** Participants say they need to clean out the green yard debris roll cart because it smells, attracts worms, and possibly attracts rodents (although none report this happening, yet). Because the green roll cart is so hard to clean, participants say they would like a smaller curbside container for food scraps. “The green cart is too big to clean, they should give us something smaller so we can keep it clean.”

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**IN THE POST-IMPLEMENTATION SURVEY, NO ONE SUGGESTED CHANGE TO THE FOOD SCRAPS COMPOSTING PILOT PROGRAM STANDS OUT.**

As part of the post-implementation survey, all those who are aware their household is part of the Food Scraps Composting Pilot Program were asked what changes, if any, they would recommend to the program. Somewhat surprisingly, there is no one recommended change that stands out. No one recommendation receives mentions by more than 1 in 10 of the pilot project residents. Findings include:

- ▶ **“Nothing” is the most common response.** However, in coding the responses it is clear from the probing of the interviewers that this response could have several meanings. The most common response is a neutral nothing, provided by one-third of respondents. “Nothing. I can’t think of anything at the moment.” Outer SE is the pilot area most likely to provide this type of response (44%), while SW is the least likely (22%).

However, 5% provide a “nothing” response that indicates an overall dislike for the program. “Nothing. They should kill the program.” Finally, 3% providing a more positive “nothing” response — “Nothing. I wouldn’t change anything.”

- ▶ **The most frequently requested change is to provide garbage service every week.** One in ten residents in the pilot program areas ask for a return to once a week garbage. The request is most frequent in the SW pilot area (14%) and lowest in Inner SE (8%).
- ▶ **A return to every week recycling is mentioned by only a few of those who currently have their recycling picked up every two weeks.** Just 5% of those who currently have their blue recycling cart picked up every two weeks request a change back to weekly recycling pickup.
- ▶ **About 1 in 10 residents also express some type of concern about the design of the kitchen pail provided to all pilot area residents.** Concerns include the size of the container — either too small or too big — and the design of the lid. Those in Inner SE, who also have the highest rate of daily food scraps collection, are most likely to comment on the pail design (16%) and Outer SE, with the lowest rate of daily food scraps collection, has the lowest (4%).

All other recommended changes are mentioned by 5% or fewer respondents.

**Recommendations for changes to food scraps composting program – Post-pilot**

Q: *What, if anything, would you change about the food scraps composting program?*

Recommended change	Aware in Pilot Program n=199
Nothing, neutral	34%
Like program, general comments	11%
Want garbage service every week	10%
Concerns about kitchen pail design	9%
Concerns about smell	5%
Concerns about use of yard debris cart	5%
Nothing, negative. Stop program	5%
Want recycling every week (based on those with recycling pickup every 2 weeks; n=99)	5%
Concerns about fruit flies, other insects	4%
Concerns about compostable bags	4%
Concerns about cleanliness	3%
Worried about what it will be like in winter	2%
Don't use, so no comments	2%
Don't collect every week	2%
Others, 1% or fewer	10%
Don't know	1%



## WEEKLY GARBAGE AND RECYCLING SERVICE, SMALLER CONTAINER FOR THE CURBSIDE ARE RECOMMENDED BY FOCUS GROUP PARTICIPANTS.

While nothing stood out as recommended changes to the food scraps composting program during the telephone interviews, during the focus groups participants identify three key changes they would like to see with the program changes, including:

- ▶ **A smaller container curbside dedicated to food scraps.** Few, if any, of the participants in the focus groups want to get rid of their green yard debris roll cart. In fact, many identify as a benefit of the food scraps program the fact that the green yard roll cart is picked up on a weekly basis, making it easier to get rid of yard debris. However, there is a universal agreement that the green bin is too big for food scraps. There are two reasons why they want a smaller food scraps container:
  - ✓ **Especially in winter, seems wasteful take green cart down to curb “just for a gallon of food scraps.”** The ratio of yard debris to food scraps seems almost silly to participants. “You have this big bin and just a little bit of food scraps, it doesn’t make any sense.” When they think about the coming winter, the ratio makes even less sense. “You will have those big trucks coming down the street and picking up the big yard debris roll cart for just a little bit of food scraps that could be just thrown in the truck. It really seems like a waste of energy.”
  - ✓ **Too hard to keep clean.** As noted on page 32, participants find it very difficult to clean out the green yard debris roll cart, something they want to be able to do because of the smell and the concern about worms, fruit flies, and other small insects living in the cart.
- ▶ **Weekly garbage service, or some no-cost ways of dealing with extra garbage, desired.** About half in each group say they want their weekly garbage service back. These participants say that having garbage service every two weeks is a problem and a few in each group have gone so far as to take bags of garbage to work or to their parent’s house in order to get rid of it. One says that while every two week garbage is not a problem for his household — which includes just himself and his wife — his neighbor, who has small children, frequently asks him to take the neighbor’s extra garbage or recycling. Others say that some things they used to throw on the garbage are piling up in the garage. “I use to throw away things like kids’ toys, but I don’t have room now. They are just sitting in the garage.” “Even if you believe that you can reduce your garbage by 30% by collecting food scraps, they reduced our garbage service by 50%. So what are we supposed to do?”

Even those who say that every two week garbage service is not typically a problem for their household — most often those who live in households with just one or two people — worry about what will happen when there is a special event at their house. “Every two week garbage wasn’t a problem except when we had my father-in-law’s wake. We had 150 people at our house.” “What happens at Christmas?” “We don’t have a lot of garbage, but you buy something big like a TV and what are you suppose to do with the Styrofoam it is packed in?”

The concept that they could increase the size of their garbage container to deal with the problem is something that some participants do not appear to have considered and that does not sit well with others. Some are proud that they have reduced their garbage to the point that they can reduce the size of their can and don’t like the idea of going backwards. Others see getting a large can to deal with the problem as a backhanded way for the City to raise rates.

“If I get a larger roll cart, then it is going to cost me more. So they are rising my rates even though they say they aren’t.”

If the City is going to go to every two week garbage pickup, participants in the focus group ask that, at a minimum, the City implement some sort of system that would allow them to get rid of some of their extra garbage at no charge. “I know that I can put out an extra bag and they will take it. But they will charge me \$5 for it and that doesn’t seem fair. We should be allowed to put out an extra bag from time to time without them charging us.”

- ▶ **Weekly recycling service desired.** As noted earlier, about half of the participants have, in addition to every other week garbage, gone to every other week recycling. About the same number of participants — although not necessarily the same ones — say that going to every other week recycling service has been or would be a problem for their household. These participants often say that weekly recycling pickup is as important, if not more important, than weekly garbage pickup. In addition, these households, like those who say reducing the frequency of garbage pickup has been a problem, are often those with larger households.

Participants in the focus groups do have recommendations for changes to the kitchen pail provided by the City. These recommendations can be found on page 53.

## IV. Response to Messages

**PRIOR TO IMPLEMENTATION OF THE PILOT PROGRAM, RESIDENTS FIND FACT FOOD SCRAPS WILL BE TURNED INTO USEFUL COMPOST AND THAT FOOD SCRAPS MAKE UP 30% OF RESIDENTS' GARBAGE MOST USEFUL.**

During the pre-pilot program survey, residents were asked to rate five statements based on how useful they are in helping them decide whether or not to participate in the food scraps composting program. Two of the statements received “very useful” rating by about 6 in 10 residents:

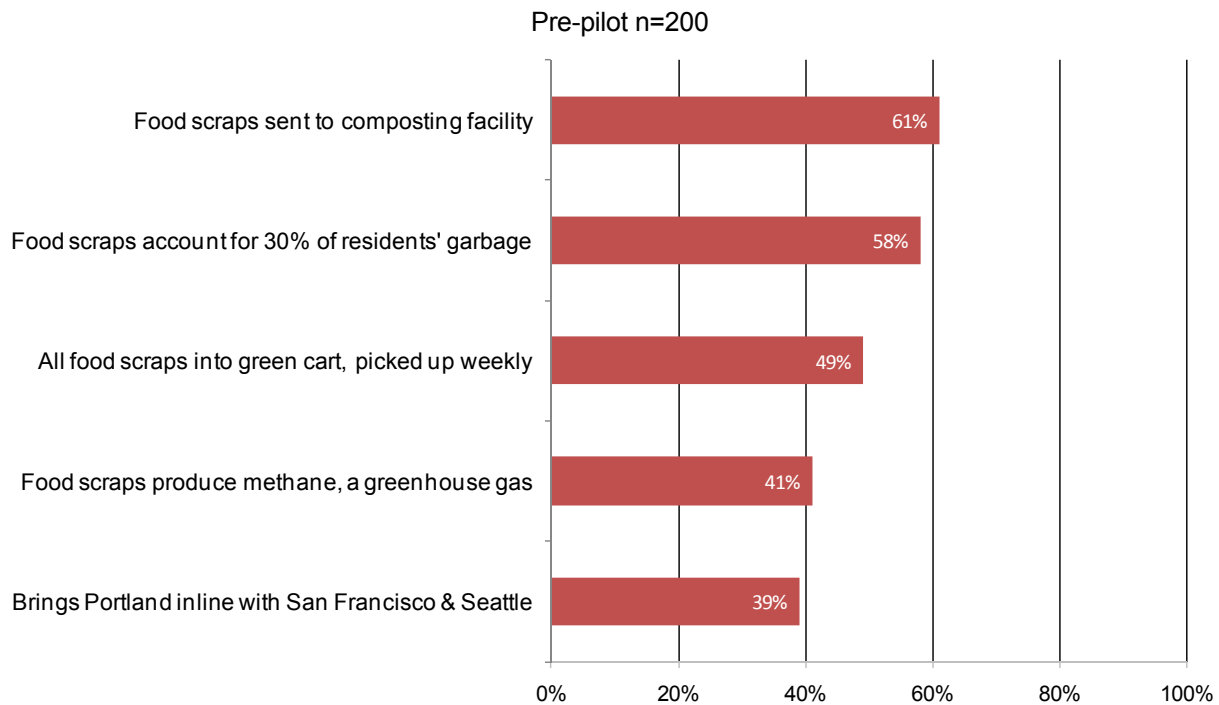
- ▶ Food scraps and food-soiled paper will be sent to a commercial composting facility that will turn it into compost for healthy soil; and
- ▶ Food and food-soiled paper, which will be picked up as part of the program, account for almost 30% of Portland residents' garbage.

In addition to these statements, simply explaining that “all food scraps — including fruits and vegetables, meat, dairy, bones, and grains — can be placed, along with yard debris, in the green yard debris cart and picked up weekly” is considered “very useful” by about half of respondents. The remaining statements — that the addition of food scraps will bring Portland in line with other major West Coast cities and that when food breaks down in the landfill it produces methane, a gas that causes climate change, were considered very useful by only 4 in 10.

### Usefulness of facts – Pre-pilot

Q: *Within the next year, the City of Portland and the City’s garbage haulers are planning on adding curbside collection of food scraps to its current garbage and recycling system. I am going to read you a series of statements about food scraps composting. All of the statements are true. For each statement please tell me whether it is very useful, somewhat useful, or not especially useful in helping you decide whether or not to participate in the program.*

- ✓ *Food scraps and food-soiled paper will be sent to a commercial composting facility that will turn it into compost for healthy soil*
- ✓ *Food and food-soiled paper, which will be picked up as part of the program, account for almost 30% of Portland residents’ garbage*
- ✓ *All food scraps — including fruits and vegetables, meat, dairy, bones, and grains — can be placed, along with yard debris, in the green yard debris cart and picked up weekly*
- ✓ *In a landfill, food breaks down and produces methane, a greenhouse gas that causes climate change*
- ✓ *The addition of food scraps compost brings Portland in line with the garbage and recycling systems offered by other major West Coast cities such as San Francisco and Seattle*



## NORMALIZED DATA ILLUSTRATE WHICH MESSAGES IT IS IMPORTANT TO EMPHASIZE.

When analyzing data, it is important to realize that there can be a tendency for an individual or group of individuals to rate all items on a list higher or lower. Further, the fact that all statements receive a significant number of “*very useful*” ratings can be misleading — effective communications can only be designed by understanding the dynamics of what is happening when respondents vary their answers from their typical rating. To address these issues, we have “*normalized*” the responses to the message statements.

There are a number of different approaches that can be taken to normalize data. For this question, a two-step process was followed. First, the “*mean*” of the “*very useful*” percentages for all statements was identified. In this case it is created by adding up the “*very useful*” percentages for all of the statements and then dividing by 5 — the total number of statements.

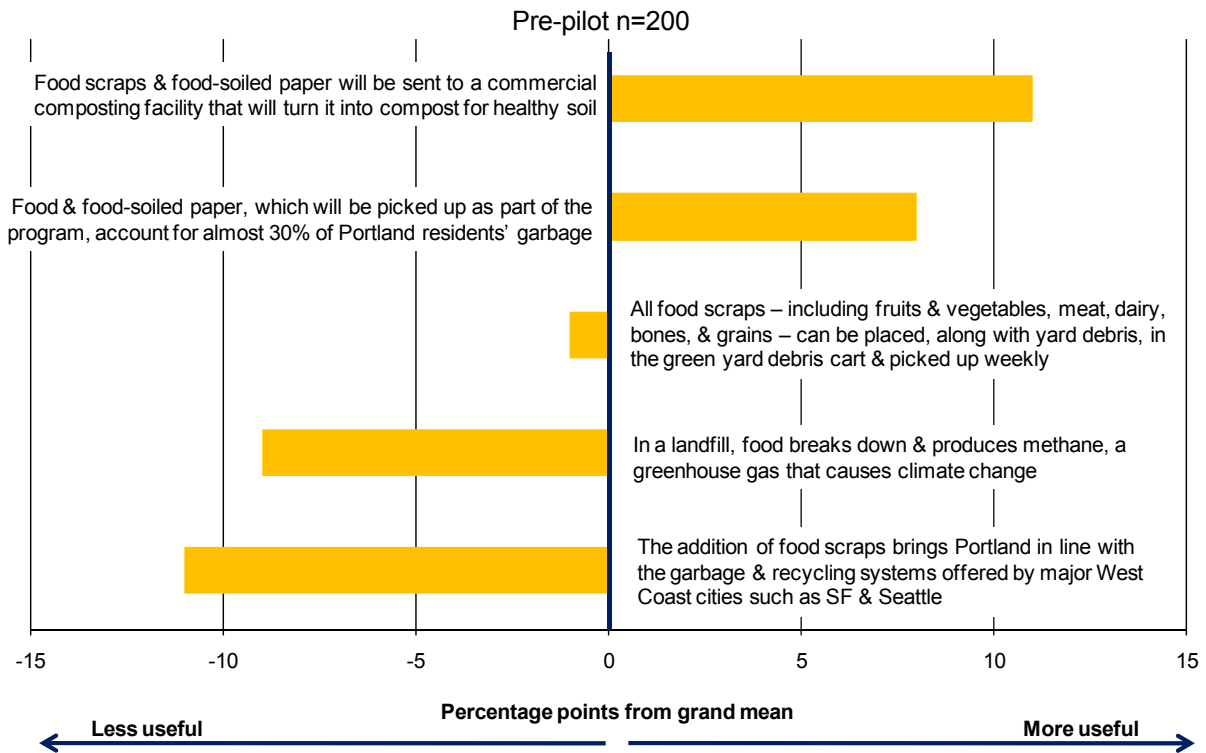
The second step is to calculate the difference from the “*mean*” of the “*very useful*” ratings for each statement. In reviewing the graphic on the next page, note the following:

- ▶ **The scale at the bottom shows the distance from the mean.** As a result, rather than a scale of 0% to 100%, the scale goes from 15 points *below* the grand mean (-15) to 15 points above the mean.
- ▶ **The farther above the mean, the more useful the fact is.** When communicating with residents, emphasis should be placed on statements that generate “*very useful*” ratings that are well above the grand mean — 5 percentage points or more — because these are the statements that residents find most useful.
- ▶ **The farther below the mean, the less useful the fact is when residents are deciding whether or not to participate in the program.** All of the facts are considered “*very useful*” by at least some residents. However, given that it is possible to communicate only a limited number of facts about a program effectively, emphasis should not be placed on statements that generate “*very useful*” percentages that are well below the grand mean — 5 percentage points or more.

Key findings from this analysis include the following:

- ▶ **Again two statements stand out — the fact that food scraps will be turned into compost for healthy soil and that current food waste accounts for almost 30% of Portland’s garbage.** These are the key message to emphasize with residents.
- ▶ **Telling people what they can put into the green yard debris is of average usefulness.** The listing of foods that can be put into the green yard debris roll and the fact the green roll cart will be picked up weekly, somewhat surprisingly, is slightly below average in usefulness when residents are deciding whether or not to participate in the program. Clearly, residents need to know the reason why they should participate, not just what will be collected.
- ▶ **Again, information about climate change and staying in line with other West Coast cities of significantly lower usefulness.** Both of these statements are more than five points below average in usefulness. The motivation to participate in the program is creating a useful compost and significantly reducing what goes into the landfill, not climate change and keeping up with other cities.

### Normalized data for usefulness of facts – Pre-pilot



**RESIDENTS CONTINUE TO BELIEVE IT IS IMPORTANT TO TURN FOOD SCRAPS INTO USEFUL COMPOST AFTER IMPLEMENTATION OF THE PILOT PROGRAM.**

During the post-pilot survey, residents were again asked about their perception of the importance of turning food scraps into useful compost. This time, they were asked whether they agree or disagree with the statement:

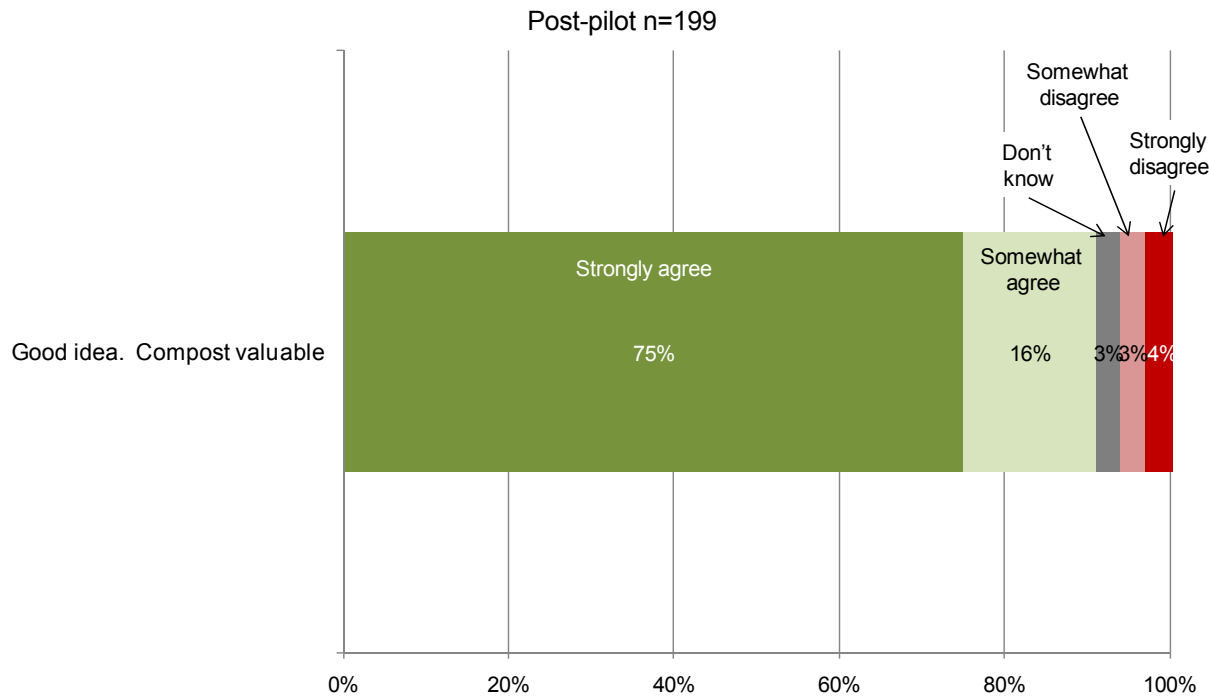
- ▶ Turning food scraps into compost is a good idea because compost is a valuable fertilizer for healthier gardens and farms.

Again, the vast majority find this statement appealing. Three-quarter of residents in the pilot areas strongly agree with the statement and another 16% somewhat agree. Only a handful disagree either strongly (4%) or somewhat (3%) or say they don't know (3%).

**Turning food scraps into compost – Post-pilot**

Q: Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement:

- ✓ *Turning food scraps into compost is a good idea because compost is a valuable fertilizer for healthier gardens and farms*



**DURING THE GROUPS, PARTICIPANTS INDICATE THE MESSAGE ABOUT FOOD WASTE MAKING UP 30% OF RESIDENTIAL GARBAGE IS HARD TO BELIEVE.**

As noted earlier, most participants in the groups indicate they believe that collecting food scraps makes sense, even if they don't approve of all aspects of how the program is currently implemented. When asked why they are participating in the program, participants start by saying they like the idea that the program gives them other outlets to recycle and it makes their trash smaller. "I feel bad throwing food scraps in the trash when there isn't enough for leftovers and I don't want a stinky pile of decomposing things in my backyard. Now I feel better." One participant says that it is making their backyard composting work better. "Our home compost was overloaded and stinky. Now it is working better. The City takes things we can't compost."

However, as noted earlier, participants report feeling they didn't have a choice whether or not to participate — "It is good, but we were forced into it." "Every two week garbage pickup forced us into it."

None of the participants reported either of the two key messages identified in the pre-implementation survey — that food scraps would be turned into compost for healthy soils or that it would reduce what goes into the landfill because 30% of residential waste is food waste — as reasons to participate in the program. Instead, when the moderator mentioned that 30% of residential garbage is food waste, participants typically express surprise, and some amount of disbelief. "I don't think it is that much. Our household doesn't generate that much in food scraps." "There are probably other households that have that much food waste, but not ours." A few participants ask whether the 30% is by weight or by volume and point out that what matters to the resident is the volume of garbage.



## V. Post-Pilot Opinions Toward Food Scraps Composting Program

The Food Scraps Composting Pilot Program made the following changes in garbage and recycling service for those in the pilot areas:

- ▶ **Green yard debris roll cart.** Food scraps accepted. Green cart picked up every week. Prior to the program, green cart picked up every two weeks.
- ▶ **Garbage.** Garbage pickup up every two weeks. This was a change for most residents as most had weekly garbage pickup prior to the program.
- ▶ **Blue recycling roll cart.** For half of residents, there was no change in the weekly pickup of the blue recycling roll cart. For half of residents, pickup of blue recycling cart changed to every two weeks.

In order to better understand the opinions of residents of the pilot area after they had experienced the Food Scraps Composting Program Pilot Program, respondents to the post-pilot survey were asked a series of statements and asked if they agreed or disagreed with each. This section provides the responses to these statements as well as information gathered during the focus groups about the implementation of the program.

### RESPONSES TO STATEMENTS ABOUT THE LEVEL OF SERVICE ILLUSTRATE THAT ABOUT HALF FIND EVERY TWO WEEK PICKUP FOR GARBAGE AND RECYCLING ACCEPTABLE.

Responses to the statements reveal:

- ▶ **Residents split on whether or not going to an every two week garbage pickup is a problem.** One-third of residents strongly *disagree* that “having garbage pickup every two weeks has been a major problem for our household” and another 2 in 10 somewhat disagree. However, for a little over 4 in 10, every two week garbage pickup was a major problem. One-third strongly agree with the statement and another 14% somewhat agree.
- ▶ **Solid majority agree that collecting food scraps has helped them reduce their garbage.** Close to half strongly agree that “Collecting food scraps and placing them in the green yard debris roll cart helps me reduce my garbage.” Another 2 in 10 somewhat agree with the statement. Only one-third do not believe this is true, with one-quarter strongly disagreeing with the statement and a little under 1 in 10 somewhat disagreeing.
- ▶ **As with bi-weekly garbage pickup, residents who went to every two week recycling pickup split on whether or not this is a problem.** Residents who went to having their blue recycling roll cart picked up every two weeks were read the statement — “Having recycling picked up every two weeks has been a major problem for our household.” Response is very similar to this statement as to the statement about going to every two week garbage pickup. About half indicate it is not a problem, while a little over 4 in 10 indicate that it is.
- ▶ **A little over half perceive that they are receiving less service, so their garbage and recycling bill should go down.** While the collection of food scraps was added in the pilot areas, frequency of pickup for garbage was reduced. In addition, half of the respondents also

had the frequency of their recycling reduced. As a result, it is perhaps not surprising that almost 4 in 10 strongly agree with the statement, “I should be paying less for my garbage and recycling because I feel I am getting less service.” However, a little over 3 in 10 do *disagree* with the statement, although only 12% strongly disagree.

Those who saw a reduction in their recycling as well as garbage pickup service are more likely to agree with this statement. Of those with weekly recycling pickup, 49% agree either somewhat or strongly with the statement. Of those with recycling pickup every two weeks, 59% agree with the statement. Due to the relatively small sample sizes, this difference is significant at the 85% confidence level, not at the industry standard 95%.

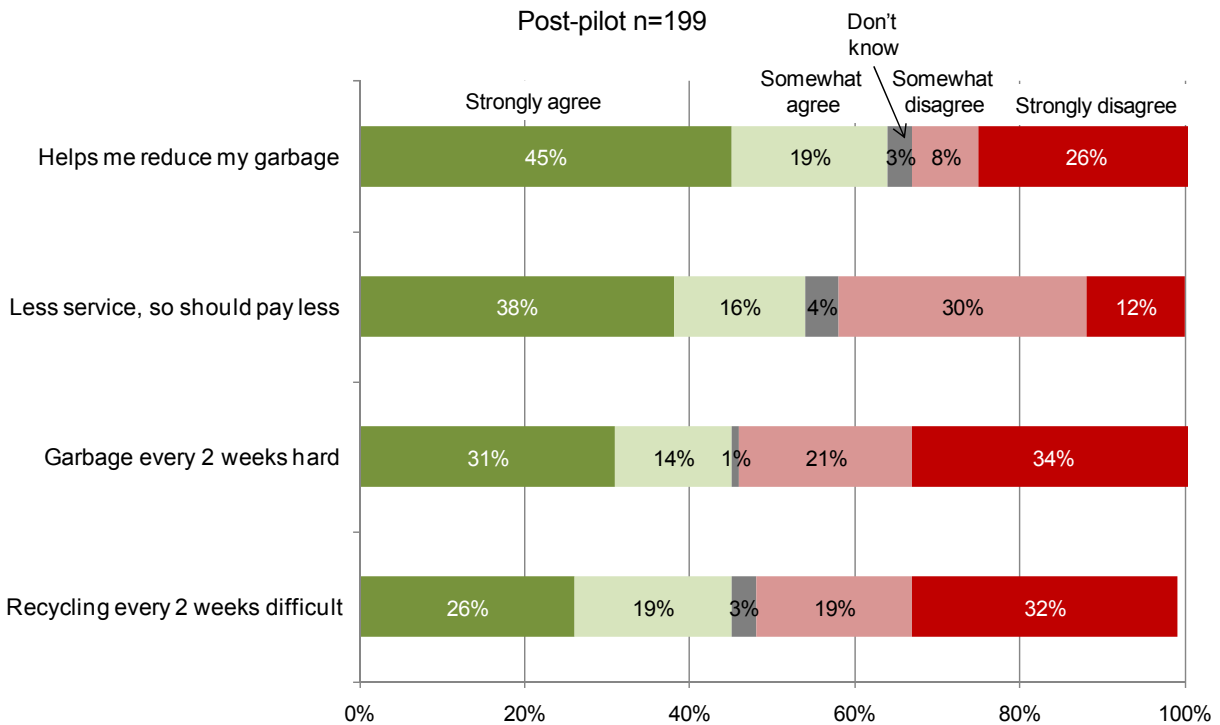
These findings are confirmed by the focus groups. As noted on pages 35 and 36, about half of participants in the groups indicate that every two week garbage pickup is a problem for their household and about the same number indicate that every two week recycling pickup is a problem, about the same percentages as seen in the survey. In addition, however, it is important to note that some of those who say it is not a major problem still would like to see the City come up with some way they would be able to put out “special occasion” garbage at no additional charge. They view this as only fair, given that their garbage and recycling service has been reduced.

When asked how much they would be willing to pay additionally on their garbage and recycling bill for weekly service, it is clear that the answer is “not much.” A majority are not willing to pay anything additional and none were willing to pay more than \$4 or \$5. This was true for both weekly garbage and weekly recycling pickup.

### Perception of service changes – Post-pilot

Q: Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement:

- ✓ Collecting food scraps and placing them in my green yard debris roll cart helps me reduce my garbage
- ✓ I should be paying less for my garbage and recycling because I feel that I am getting less service
- ✓ Having recycling pickup every two weeks has been a major problem for our household
- ✓ Having garbage pickup every two weeks has been a major problem for our household



**NOT SURPRISINGLY, RESPONSE TO THE SERVICE-RELATED STATEMENTS VARY A GREAT DEAL BY FREQUENCY OF FOOD COMPOSTING.**

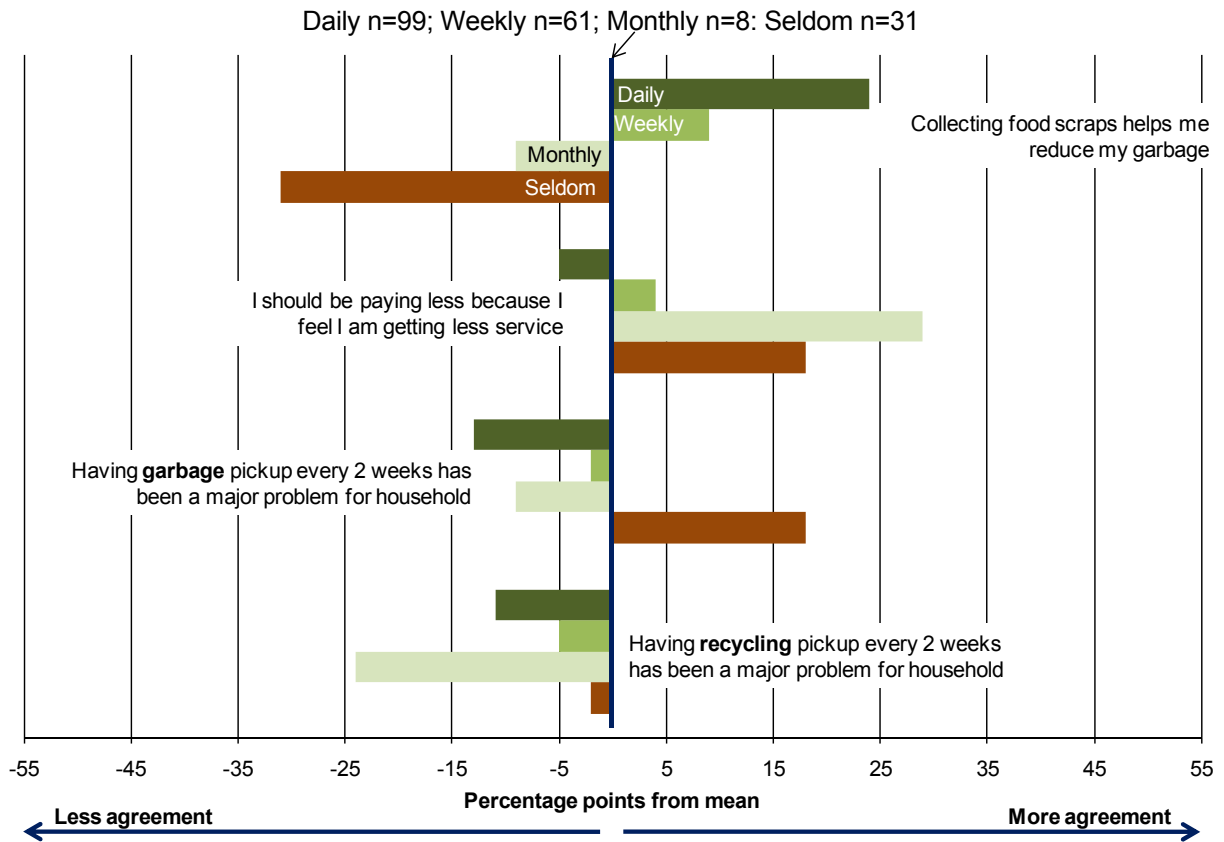
As we did with the usefulness ratings, we normalized the data on the agree/disagree statements (for a description of this process, see page 39). For this analysis, however, we divided the respondents by frequency of food scraps composting. We generated the mean “strongly agree” rating for all 11 of the statements for each of the four frequency segments — daily, weekly, monthly, and seldom or never. This is important to do because each of the four segments tended to provide very different ratings. We then determined how far above, or below, the average “strongly agree” rating each segment is for each statement.

Findings for the service-related statements show:

- ▶ **Those collecting food scraps for the green yard debris roll cart on a daily basis agree this helps reduce their garbage.** Those collecting weekly also are likely to strongly agree with this statement. However, those collecting only monthly, and especially those not collecting food scraps at all, are unlikely to agree with the statement.
- ▶ **The less the new system is used, the more likely the segment is to believe they should be paying less for garbage and recycling.** This is especially true of the monthly and seldom users. However, the sample of monthly users is very small and the results should be considered qualitative in nature.
- ▶ **Those who seldom or never collect food scraps are concerned about every two week garbage pickup.** The other segments are less concerned about garbage pickup. None of the segments are showing higher than average agreement that every two week recycling pickup is a problem.
- ▶ **Having recycling picked up every two weeks appears to be less of an issue than having garbage picked up every two weeks.** Strong agreement with the statement that having recycling picked up every two weeks is a problem (asked only of those who currently have recycling picked up every two weeks) is lower than average, indicating that while it is certainly an issue for some in the pilot areas, it is less of an issue than every two week garbage pickup.

Again, these findings were confirmed by the focus group participants. Participants in the groups who are collecting food scraps for the green yard debris roll cart agree that it has reduced the amount of waste going into their garbage. Also, those participants who are not collecting food scraps feel more strongly that they should be paying less for the current system and also appear more concerned about going to every other week garbage collection.

### Perception of service changes – Post-pilot



**MANY SHARE A CONCERN ABOUT UNPLEASANT ODORS, KEEPING THE GREEN YARD DEBRIS ROLL CART CLEAN, AND THE CREATION OF AN UNSANITARY ENVIRONMENT.**

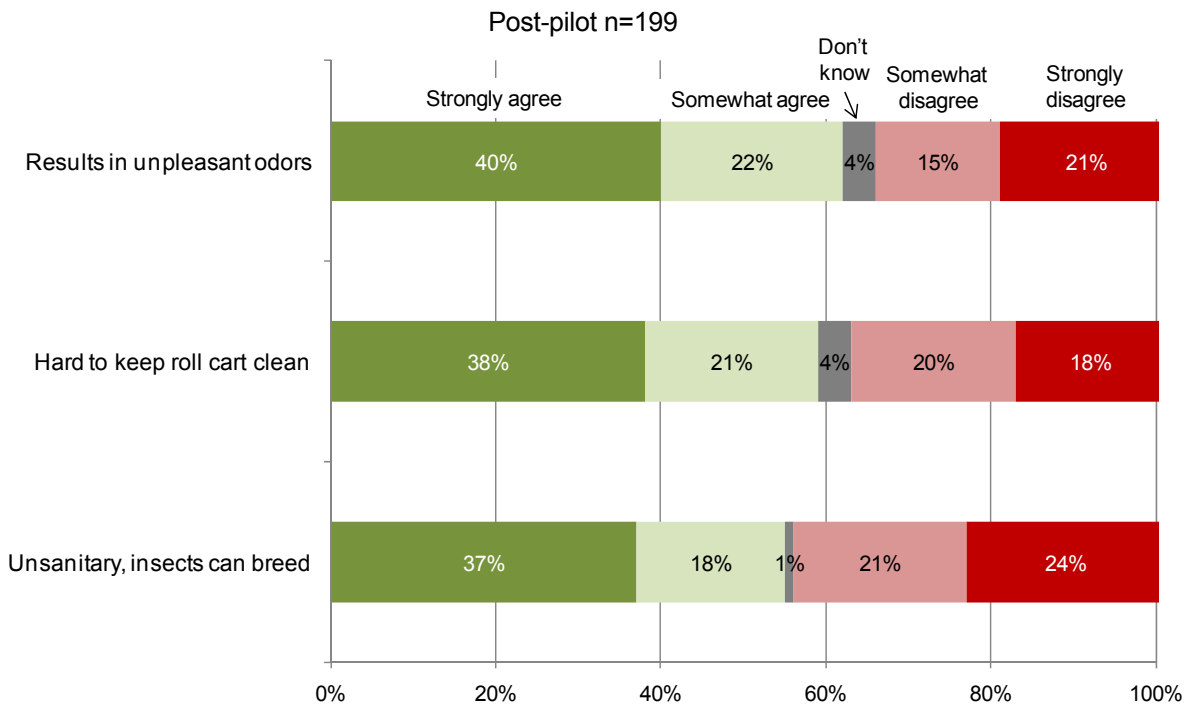
Three statements were read to respondents that relate to concerns about odors, unsanitary conditions, and cleanliness. Results are very similar for each of the three statements — it appears that about 4 in 10 residents of the pilot area worry a good deal about the “ick” factor when moving to food scraps collection and composting. In addition, another 2 in 10 appear to have some concern.

Focus group participants again confirm these results. Among participants, “the smell” appears to be the greatest concern, followed by keeping the green yard debris roll cart clean. Fruit flies and other small insects are also an issue, although it appears that once they have experienced the program, fruit flies are less of an issue than the smell. In addition, there are a few that are worried about worms, including one woman who insisted the worms were seeking out both her green yard debris roll cart and her garbage.

**Perception of possible food handling issues – Post-pilot**

Q: *Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement:*

- ✓ Collecting food scraps results in an unpleasant odor in the kitchen pail and/or the green yard debris roll cart
- ✓ It is difficult to keep the green yard debris roll cart clean if I use it for food scraps
- ✓ Collecting food scraps creates an unsanitary environment where fruit flies and other small insects can breed in the kitchen pail and/or the green yard debris roll cart

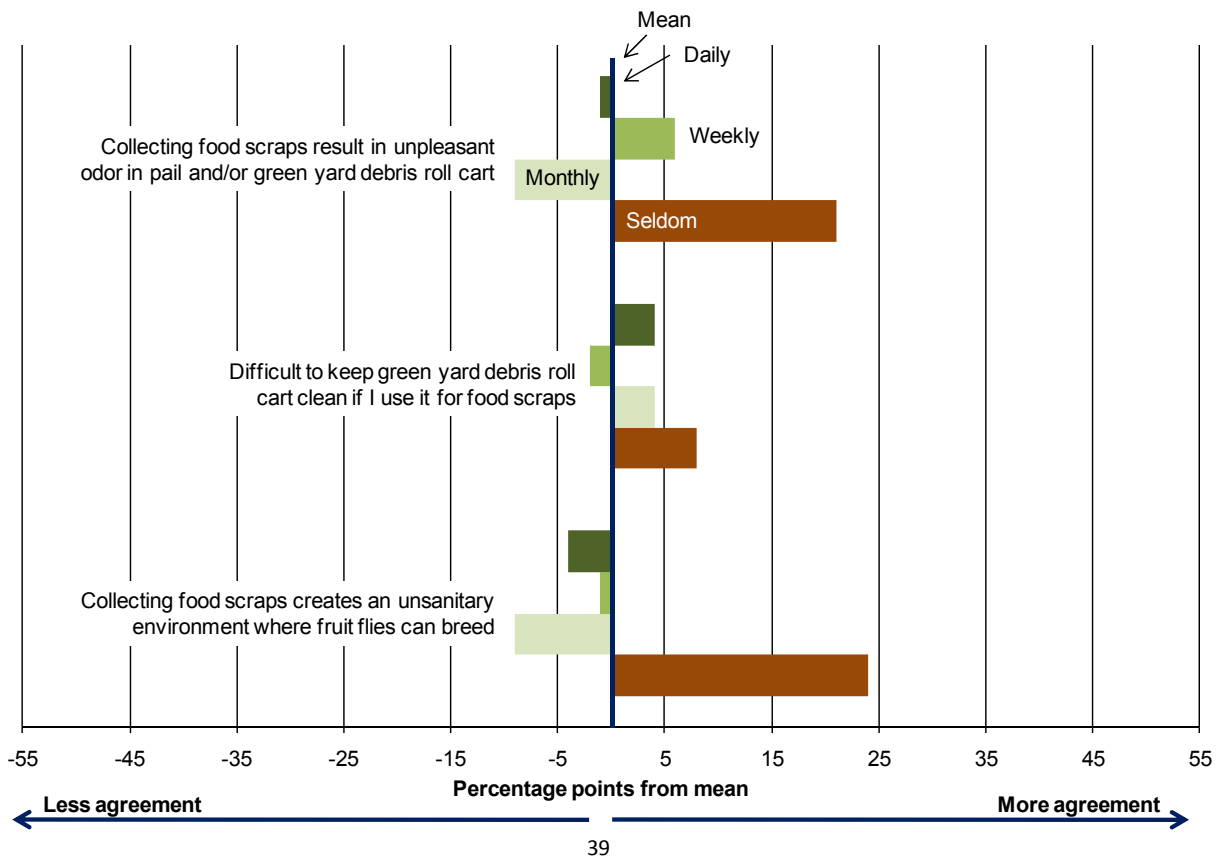


**THOSE WHO ARE NOT CURRENTLY USING THE SYSTEM ARE THE MOST CONCERNED ABOUT ODORS AND UNSANITARY CONDITIONS.**

Those collecting food scraps on a daily basis do have some concerns about how hard it is keep the green yard debris roll cart clean. However, they do not appear to have a major concern with either odors or food scraps creating an unsanitary condition where fruit flies and other small insects can breed in either the kitchen pail or the green roll cart. On the other hand, those who say they seldom or never collect food scraps for the green yard debris roll cart are frequently concerned about both odors and unsanitary conditions. These two issues, then, are very likely substantial barriers to getting this segment to even try collecting food scraps for the green roll carts.

**Normalized data: perception of possible food handling issues – Post-pilot**

Daily n=99; Weekly n=61; Monthly n=8; Seldom n=31



## MAJOR OTHER BARRIERS DO NOT EMERGE.

Statements were written for the post-pilot survey to determine how much of a barrier several other issues are to households participating in the food scraps collection program. None of these, however, appear to be major concerns. Findings include:

- ▶ **Time does not appear to be a barrier for most.** Almost two-thirds say they strongly disagree that collecting food scraps for the green yard debris roll cart is a task they don't have time for. Only 15% strongly agree with the statement.

There are one or two people in each of the focus groups that feel strongly that they just do not have time for food scraps collection. "I just don't have time. I work full-time and I have kids. I don't need one more thing to do." "I leave the recycling to my (adult) children. That's their thing. I don't have time for it."

- ▶ **Most don't know if the approved compostable bags are expensive or not.** Almost 6 in 10 survey respondents say they "don't know" whether they agree or disagree that the compostable bag are too expensive, a good indication that they have not shopped for the bags. Of those who do have an opinion, however, significantly more agree the bags are expensive (29%) than disagree (16%).

Few of the focus group participants are even aware that the compostable bags exist. One in the daily group says, "I heard you have to be careful. Some of those bags aren't really compostable." Another in the weekly group says that she read information from the City that said the compostable bags could be used, but that she had not looked into them. "If I buy bags it just means I am spending more on my garbage, even without a rate increase."

Some focus group participants like the idea of using the compostable bags, say that "this would really help with the mess." Others, however, and likely the majority, see the bags as another cost that they would rather not bear. A few suggest that the City or their hauler should provide the bags at a low cost. "The hauler should deliver them to your house once a month at a very low cost — like \$2 a month on your bill."

- ▶ **Most disagree that because they already do backyard composting, the food scraps program does not benefit their household.** Almost 6 in 10 disagree with this statement, although most say they somewhat disagree (46%) rather than strongly disagree (10%).

Many of the people in the focus groups are backyard composters and most appear to continue to compost in their backyard even though they are collecting food scraps for their green yard debris roll cart. Most backyard composters seem to agree that the food scraps program complements their backyard compost. "The City takes what I don't want in my backyard compost." "The Food Scraps Composting Program has made my backyard compost work better." A few say they use the City's program only occasionally because they are successfully composting most of their food scraps in the backyard.

One participant, however, is very upset with the City over the program because he perceives the City is trying to force him to change his approach to backyard composting and adapt to the City's program. His main concerns appear to be that he was forced to take a green yard debris roll cart when he had not had one before and that his small garbage can is no longer picked up every week.

- ▶ **The kitchen pail provided by the City is perceived as useful by most who recall receiving it.** In another question that will be discussed, respondents were asked if they recall



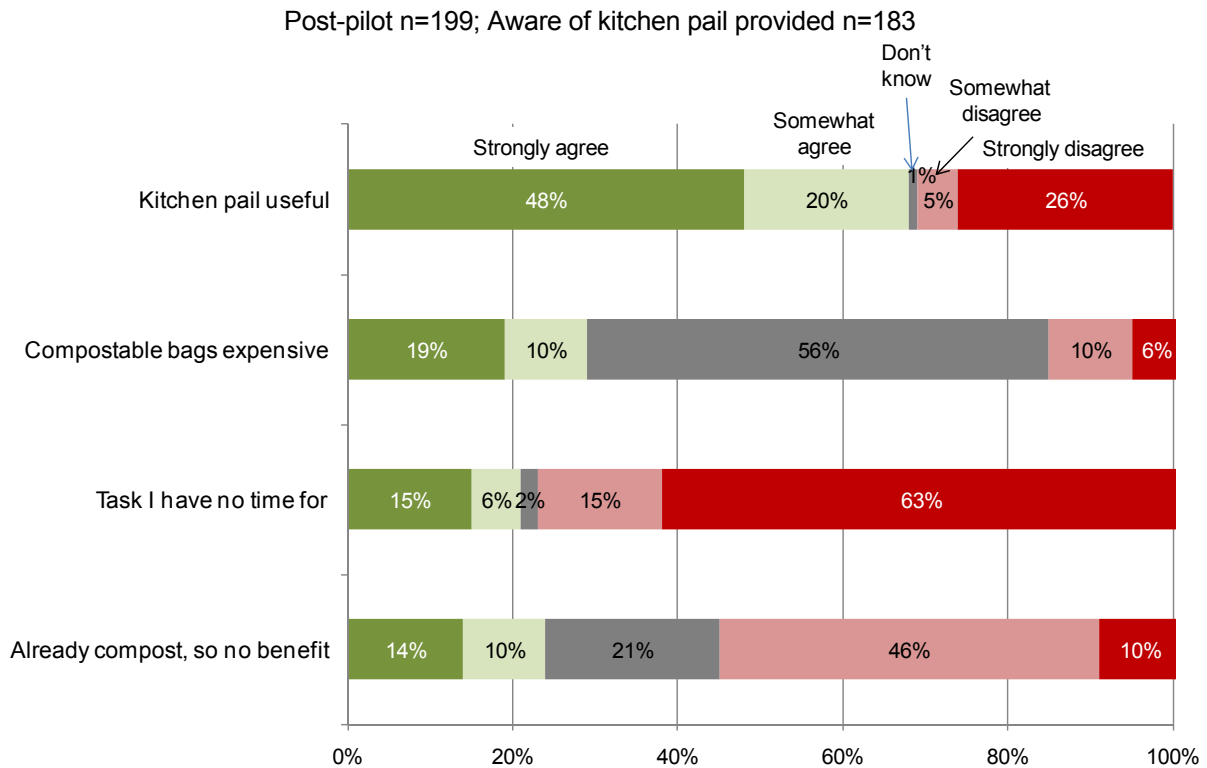
receiving a kitchen pail to use for collecting food scraps. Of those who recall receiving the pail (92%) most (68%) believe it is useful.

During the focus groups, most of those composting say they are using the kitchen pail provided by the City. Those who are not using the pail provided say they are using a pail that they already had for this purpose, simply putting the waste into a plastic bag and then emptying the bag into the green yard debris roll cart, or putting food directly into the green roll cart. A more complete discussion of the kitchen pail and participant recommendations for improvements to the pail begins on page 53.

### Perception of other possible barriers – Post-pilot

Q: Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement:

- ✓ Collecting food scraps and taking them out to the green yard debris roll cart is a new task I simply don't have time for
- ✓ The approved compostable bags that can be used to line the kitchen pail are too expensive to use
- ✓ Because I already compost in my backyard, the food scraps composting program does not benefit me
- ✓ The kitchen pail that was provided to my home is useful



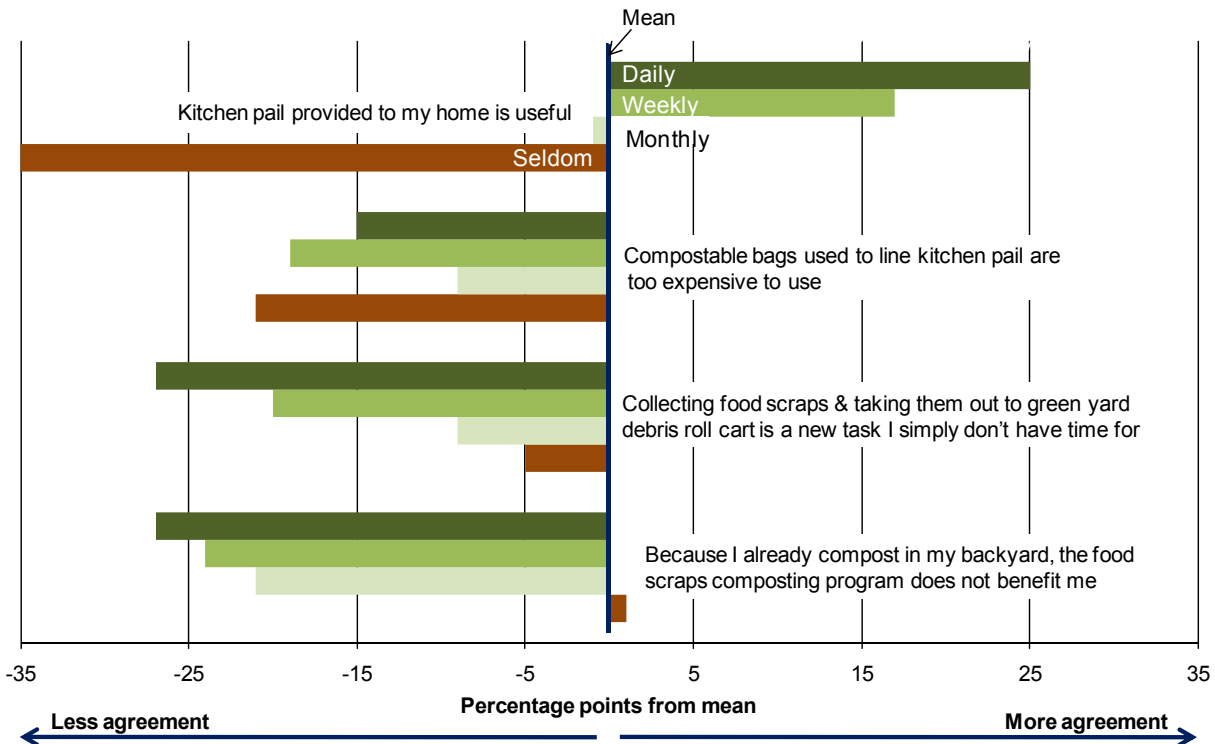
**ADDITIONAL ANALYSIS SUPPORTS IDEA THAT OTHER FACTORS ARE NOT MAJOR BARRIERS.**

None of the other statements reveal major barriers when we looked at the additional normalized data analysis by frequency of food scraps composting. Findings include:

- ▶ **Kitchen pail valuable to those frequently collecting food scraps.** Both the daily and weekly food scraps collectors are well above average in strong agreement that the kitchen pail is useful. Not surprisingly, those who are not participating in the program do not find the pail useful.
- ▶ **Other possible barriers do not appear to be major issues at this time.** Strong agreement with all three of the other possible barrier questions is below average. However, remember that:
  - ✓ **The most common response to the statement about the cost of the compostable bags is “don’t know.”**
  - ✓ **The average strong agreement on the program not being a benefit because they already are doing backyard composting is slightly above average for those who seldom or never participate in the program.** This indicates that this may be an issue for some of those who are not participating. Remember, however, that many of those who are not participating also are not aware of the range of food products that can be composted with the City’s program. These households may find there are food items they could compost under the City’s program that they are not able to compost successfully in their backyard.

**Perception of other possible barriers – Post-pilot**

Daily n=99; Weekly n=61; Monthly n=8; Seldom n=31



**KITCHEN PAIL PLACED UNDER THE SINK. A FEW DESIGN CHANGES ARE SUGGESTED.**

As already noted, most of the focus group participants are using the kitchen pail provided by the City. While a few participants say they keep the pail on the kitchen counter, most participants say they place their pail under the sink next to the garbage and only bring it out when collecting food scraps. “I don’t like clutter in my kitchen.” This out-of-sight location may result in a lower rate of food scrap collection, especially while the household is developing the habit of collecting food scraps.

While most say they find the kitchen pail that was delivered to pilot households to be useful, participants in the focus groups do have a few suggestions for improvements:

- ▶ **The lid should have a secure catch.** The biggest complaint about the pail is that the catch that closes the lid does not work. Participants say that the catch needs to work because they want to be sure there is a tight seal so that smells are not released and fruit flies are less likely to invade.
- ▶ **Removable lid desired by some.** Several participants ask for a lid that can easily be removed so that it is easy to place the pail in the dishwasher for cleaning.
- ▶ **Offer several sizes.** Like the three bears in Goldilocks and The Three Bears, there is no perfect size for the kitchen pail. Some would like a smaller size, others a larger, and still others say the current size is perfect. Ideally, say participants in the groups, there would be a choice. “Let people pick the size that works for them.”
- ▶ **Make it green.** As with size, there is likely no perfect color for the pail. The most common suggestion is to make it green, “so that it matches the green yard debris roll cart.” However, others say the current “neutral” tan is fine and one asks for it in black.
- ▶ **Keep the current shape.** Overall, participants like the current shape, although few realize that it is designed to make it easier for scraping food into. Instead, they say it is a good shape to fit under the sink next to the garbage pail.
- ▶ **A few want no writing on the kitchen pail.** A few participants indicate they don’t like the Portland Composts! stamped on the pail. “I turn it around so you can’t see what’s written whenever someone is in my kitchen.” However, most do not seem to care.

Participants in the first group were shown three other pails to use to compare with the current kitchen pail design. None of these designs stood out to focus group participants as particularly better than the current approach.

**PARTICIPANTS IN FOCUS GROUPS SAY KITCHEN PAILS NEEDS TO BE PROVIDED TO ALL RESIDENTS, BUT HAULERS SHOULD PICK UP UNWANTED PAILS.**

As noted in the prior section, most participants in the focus groups are using the kitchen pail provided by the City. When asked if the kitchen pail should be provided to all residents, most agree that it should, saying that there are many people who would not be collecting food scraps if

the pail had not been provided. “There would have been lower compliance if they had not provided the pail.”

Participants were given three alternatives to the City providing all residents to a kitchen pail and asked which is the best approach. Alternatives include:


- ▶ Each household responsible for their own “pail” or other kitchen collection container.
- ▶ All households given a kitchen pail similar to that provided to the pilot neighborhoods.
- ▶ Households can pick up a pail at easily accessible locations in their neighborhoods. For example, a library or community center.
- ▶ After pail delivery, households who have their own container can set the City-provided pail out for pickup and it will be given to another customer.

Given these alternatives, participants say that each household should be given a kitchen pail but that they should be able to return the pail by leaving it out for the hauler to pickup if they want to use another container for food scraps. Participants say that providing a pail will improve participation in the program. Having households pick up a pail at a location in their neighborhood would not be convenient for many, according to participants. “Then you have to try and match your schedule to when they are open.”

## VI. Recall and Usefulness of Communications Vehicles

All households in the pilot neighborhoods were sent the following materials:

▶ Letter from the City of Portland and their hauler:



City of Portland  
Bureau of  
**Planning and Sustainability**  
Sam Adams, Mayor  
Susan Anderson, Director

**Planning**  
1900 S.W. 4th Ave., Ste. 7100  
Portland, OR 97201-5350  
Phone 503-823-7700  
FAX 503-823-7800  
TTY 503-823-6868

**Sustainability**  
721 N.W. 9th Ave., Ste. 350  
Portland, OR 97209-3447  
Phone 503-823-7222  
FAX 503-823-5311  
TTY 503-823-6868

[www.portlandonline.com/bps](http://www.portlandonline.com/bps)

An equal opportunity employer  
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**Important Changes to Your Curbside Garbage and Recycling Services**

Re: Property at <<SITEADDRESS>>, <<SITECITYSTATEZIP>>

Dear Waste Management Customer,

You have been selected for the Portland Composts! Food Scrap Curbside Collection Pilot! You are receiving this letter because your household is one of 2,000 to receive the City of Portland's new garbage and recycling collection system. Your participation and feedback are important to help shape the system before it's introduced citywide.

**Important changes to your curbside collection system begin on May 3**  
Starting May 3, please place food scraps into your green Portland Composts! roll cart instead of your garbage can. **Your green Portland Composts! roll cart will be picked up weekly and your garbage will be picked up every-other-week.**

In the next few weeks, you will receive a tool kit that contains everything you need to get started: a kitchen pail to collect your food scraps, instructions for what you can put into the green Portland Composts! roll cart, and a collection schedule.

**Your blue Portland Recycles! roll cart and yellow glass recycling bin will now be picked up every-other-week.** Fewer collections means improved efficiency and less truck traffic through your neighborhood.

**Your monthly bill**  
The impact on your monthly bill depends on your current garbage service level. If you now have weekly garbage service and stay with the same can size, your monthly bill will decrease slightly. If you have once-a-month service there will be a \$0.45 increase in your monthly bill because your green Portland Composts! roll cart will be picked up twice as often.

Some pilot households may need more capacity for garbage collection. For an additional monthly charge you may switch to a larger garbage can. Customers who want weekly garbage collection will pay double the rate because it is costly for your garbage and recycling company to drive through the neighborhood for individual pick-ups. We ask that you try out every-other-week garbage collection for 30 days before considering a return to weekly garbage collection. **Please refer to the table on the reverse side of this letter for details on your options for service levels and rates.**

**Why are we adding food scrap collection to Portland's garbage and recycling system?**  
Almost 30 percent of Portland's residential garbage is food or food-soiled paper. In the landfill, food breaks down and produces methane, a potent greenhouse gas that causes climate change. Composting food reduces emissions and produces a valuable agricultural product to improve garden soil. The addition of food scrap collection brings Portland in line with other major West Coast cities such as Seattle and San Francisco.

For more pilot information visit [www.portlandonline.com/bps/fspilot](http://www.portlandonline.com/bps/fspilot). Questions or comments? Please contact the City by calling 503-823-7202 or e-mailing [wasteinfo@portlandoregon.gov](mailto:wasteinfo@portlandoregon.gov).

We look forward to working with you on this exciting pilot program! With your help, we will learn how best to introduce these changes citywide.

City of Portland  
Bureau of Planning and Sustainability
Waste Management

*(more on reverse side)*

- ▶ In addition to the letter, this mailing included a two-side insert describing the Food Scrap Composts Program and two-sided FAQ handout:

**PORTLAND COMPOSTS!**  
A new place to scrape your plate

**Questions?** Call 503.823.7202  
E-mail [wasteinfo@portlandoregon.gov](mailto:wasteinfo@portlandoregon.gov)

Program description insert

**PORTLAND COMPOSTS! TOOL KIT**

In the next few weeks you will receive a tool kit containing everything you need to get started. The tool kit contains:

**2-gallon kitchen pail:** A neutral colored kitchen pail with a latching lid and handle makes food scrap collection easy and neat. You can place this on your kitchen counter or under the sink.

**Guide to your new recycling and garbage system:** A poster and refrigerator magnet will provide detailed instructions on mixing food scraps with your yard debris in your green roll cart.

**Collection schedule:** This handy calendar highlights the weeks your green and blue roll carts and garbage are collected at the curb.

---

**YOUR NEW CURBSIDE GARBAGE AND RECYCLING SYSTEM STARTING THE WEEK OF MAY 3**

**Green Portland Composts! Roll Cart:** Your green roll cart will be collected every week, and for the first time, you can place food scraps in the green cart.

**Blue Portland Recycles! Roll Cart and Yellow Glass Recycling Bin:** Your blue recycling roll cart and yellow bin will be collected every-other-week. Remember to place them at the curb only if they are at least half full.

**Garbage:** Your garbage container will be collected every-other-week.

Printed on 100% post-consumer recycled paper

**FREQUENTLY ASKED QUESTIONS**

**Why are the changes being made?**  
These changes were adopted by City Council in 2007 as part of the Portland Recycles! Plan. By expanding the opportunities for curbside recycling and composting, more materials can be diverted from the garbage into productive uses, reducing the environmental impacts of garbage disposal. The first phase was implemented in 2008, with the distribution of new recycling and yard debris roll carts to every household and an expanded list of recyclable plastics. Adding food scraps and changing to every-other-week garbage collection will complete the implementation as planned.

**How long will the pilot last?**  
The pilot program will begin the first week of May 2010 and will last about a year until the program expands to all of Portland. In November, the City will assess progress and possibly make changes that may improve results for the citywide effort.

**How was my household selected to be part of the pilot area?**  
Four routes in SW, East, NE and SE Portland were selected to test the new collection system in areas with varying demographics, density, and terrain. Another consideration was operational efficiency for the four garbage and recycling companies that volunteered to help test the new collection system.

**Why should I put my food scraps into my green roll cart?**  
Almost 30 percent of what currently goes into the average Portland garbage can is compostable. Portland residents throw away about 34,000 tons of food scraps and food-soiled paper in their household garbage every year. It is better to compost

(continued on next page)

FAQs

this waste instead of throwing it away. In the landfill, this waste makes methane, a potent greenhouse gas. Composting food waste avoids those emissions and instead produces a valuable agricultural product to improve garden soil.

**What types of food scraps and food-soiled paper can be composted under this new system?**  
All food can be composted, including meats, poultry, seafood, dairy, bread, fruits, vegetables, cheese, eggshells, rice, beans, pasta, coffee grounds, bones and other plate scrapings. Paper napkins and pizza delivery boxes can also be placed in the green roll cart.

**What will happen to the food scraps?**  
The food scraps and yard debris collected from your household will go to a commercial compost facility to be made into compost. Compost helps prevent soil erosion, retain water, suppress plant disease and block weeds.

**Won't there be issues with odors and rodents?**  
Placing food scraps in your green Portland Composts! roll cart will be much like putting food scraps in your garbage can now. Food scraps will be picked up weekly with yard debris - the same frequency as garbage containing food scraps is currently collected. It shouldn't smell any more than your garbage does now. Like most garbage cans, the green roll cart is leakproof and has a sturdy lid that makes it difficult for animals to get inside.

**What if I already compost at home?**  
Nearly 50 percent of Portlanders already compost in their backyard. With this new system, you can now compost items that should not go in your backyard compost pile: meat, bones, dairy and grains.

Printed on 100% post-consumer recycled paper

- ▶ **This mailing was followed up by the Portland Composts! Tool Kit.** The Kit included the 2-gallon kitchen pail, brochure describing the system that converts into a small poster, a refrigerator magnet, and a brochure that included their new garbage and recycling schedule.



**Kitchen pail**



**Brochure that opens into a small poster (front & back)**

**YOUR NEW CURBSIDE GARBAGE AND RECYCLING SYSTEM**  
Refer to your collection schedule for pick-up dates



**Green Portland Composts! Roll Cart:** Your green yard debris roll cart will be collected **weekly**, and now, you can include food scraps.



**Blue Portland Recycles! Roll Cart and Yellow Glass Recycling Bin:** There is no change to materials you can place in your blue roll cart and yellow glass recycling bin. Remember to place them at the curb only if they are at least half full.



**Garbage:** Your garbage container will be collected **every-other-week**.

**CHANGES START THE WEEK OF MAY 3**

**Why compost food scraps?**

Almost 30 percent of what goes into Portland's garbage is compostable. The food scraps and yard debris will go to a commercial facility to be made into a valuable fertilizer for yards, landscapers and agricultural users. Compost helps prevent erosion, retain water, suppress plant disease and block weeds.

Composting your food scraps and yard debris is easy!  
[www.portlandonline.com/bps/fspilot](http://www.portlandonline.com/bps/fspilot)

**Welcome to your Portland Composts! Tool Kit**



**2-gallon kitchen pail:** The neutral-colored kitchen pail with a latching lid makes it easy to transfer food scraps from your kitchen to your green Portland Composts! roll cart.

**Food scrap and yard debris guides:** A poster and refrigerator magnet provide detailed instructions.

**Collection schedule:** This handy schedule highlights the dates your green and blue roll carts, yellow glass bin and garbage are collected at the curb. The collection schedule is also on the Web site.

**Tips for using your kitchen pail**

- Store your kitchen pail under or in the sink, on the counter or anywhere that makes it easy to use while preparing food or cleaning up after a meal.
- Place food in your kitchen pail and then empty into your green roll cart regularly.
- Drain as much liquid as possible from food before putting it in your kitchen pail.
- Rinse out your pail after use or place it in the dishwasher to keep it clean and fresh.
- To avoid fruit flies, sprinkle baking soda in it or rub vinegar on the inside of the pail lid.
- If you like, you may line your kitchen pail with newspaper, a paper bag or an approved compostable bag.\*

**Please do not set your kitchen pail out for curbside collection.**

\*Only certain types of compostable bags are approved for use in Portland's program.

Visit [www.portlandonline.com/bps/fspilot](http://www.portlandonline.com/bps/fspilot) to find out the brands and where to purchase them.

**PORTLAND COMPOSTS!**  
*A new place to scrape your plate*



**YES - THROW IT IN!**

**YARD DEBRIS:** Yard debris still goes in the green roll cart. This includes: weeds, leaves, vines, grass and branches less than 4 inches thick and 36 inches long.

**FOOD SCRAPS:** All food goes in: meats, poultry, seafood, dairy, bread, fruits, vegetables, cheese, eggshells, rice, beans, pasta, coffee grounds, bones and other plate scrapings. Paper napkins, coffee filters, tea bags and pizza delivery boxes can also be placed in the cart.

**NO - KEEP IT OUT!**

**DO NOT INCLUDE:** liquids, large amounts of grass or oil, metal, plastic, glass, Styrofoam™, pet waste, treated wood, diapers, freezer boxes or other garbage.



**IT'S EASY TO GET STARTED!**

**1**

Toss food scraps (including meat, bones, dairy and grains) into the provided kitchen pail.

**2**

At your convenience, empty the food scraps from your kitchen pail into your green Portland Composts! roll cart along with your yard debris.

**3**

Your garbage and recycling company will collect the green roll cart weekly on your regular pick-up day.

**Brochure that opens into small poster (inside)**



**SERVICE OPTIONS**

Create a service level that works for your household. Switching service levels may impact your bill.

- If you need more capacity for garbage, you may increase your garbage can size.
- If you don't produce much garbage, you may reduce your garbage can size to a 20-gallon mini-can or change to once-a-month garbage service.

Call Waste Management at 503-249-8078 to make changes to your service.

**OPTIONS FOR SERVICE LEVELS AND RATES**

**Monthly Pilot Rates**

Garbage Container Size	Every-other-week Garbage	Once-a-month Garbage	Weekly Garbage*
20-gallon can	\$20.15	N/A	\$40.30
32-gallon can	\$23.25	\$16.90	\$46.50
32-gallon roll cart	\$24.70	\$18.10	\$49.40
60-gallon roll cart	\$28.50	N/A	\$57.00
90-gallon roll cart	\$32.60	N/A	\$65.20

\* Weekly garbage service will be available following a 30-day trial period.

**QUESTIONS?**

Call 503-823-7202  
 E-mail [wasteinfo@portlandoregon.gov](mailto:wasteinfo@portlandoregon.gov)  
 Visit [www.portlandonline.com/bps/fspilot](http://www.portlandonline.com/bps/fspilot)



EVERY-OTHER-WEEK RECYCLING

Printed on 100% post-consumer recycled paper.

**PORTLAND COMPOSTS!**

**PORTLAND'S NEW CURBSIDE GARBAGE AND RECYCLING SYSTEM**

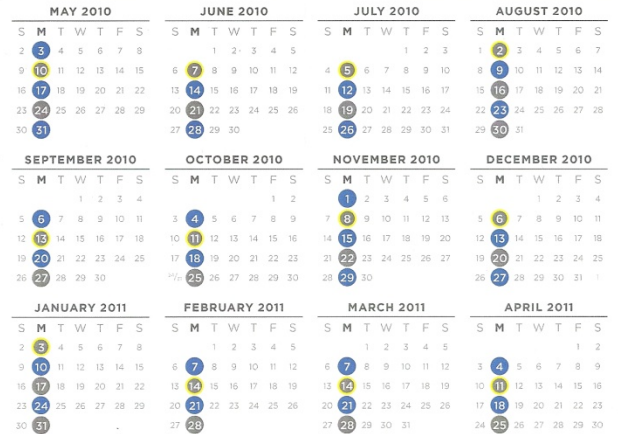
Your Collection Schedule for the Food Scrap Curbside Collection Pilot May 2010 – April 2011



WASTE MANAGEMENT

**YOUR NEW GARBAGE, RECYCLING AND COMPOST COLLECTION SCHEDULE**

Green Portland Composts! roll cart collected every Monday  
 Garbage collected every-other-week  
 Blue roll cart and yellow glass recycling bin collected every-other-week  
 Once-a-month garbage customers



**WATCH THE WEIGHT**

The City of Portland sets weight limits to ensure the safety of garbage and recycling drivers.

**Maximum weight limits:**

- Garbage:
  - 20-gallon minican, 35 pounds
  - 32-gallon can, 55 pounds
  - 35-gallon roll cart, 75 pounds
  - 60-gallon roll cart, 100 pounds
  - 90-gallon roll cart, 145 pounds
- Green and blue roll carts: 100 pounds

**COLLECTION DAY REMINDERS**

- Place containers within 3 feet of the curb by 6 a.m.
- Remove empty containers from the curb within 24 hours of collection.
- Do not set out your Portland Composts! kitchen pail for curbside collection.
- Once-a-month garbage customers: Garbage is picked up on the first garbage collection day of the month.

**New schedule for garbage and recycling**

**Portland Composts! A new place to scrape your plate**

**YES! Throw it in:**  
 Yard debris still goes in the green roll cart. This includes: weeds, leaves, vines, grass and branches less than 4 inches thick and 36 inches long.

**YES! Throw it in:**  
 All food can be composted, including meats, poultry, seafood, dairy, bread, fruits, vegetables, cheese, eggshells, rice, beans, pasta, tea bags, coffee grounds and filters, bones and other plate scrapings. Paper napkins and pizza delivery boxes can also be placed in the green roll cart.

**NO! Keep it out:**  
 Do not include: large amounts of grease or oil, metal, plastic, glass, Styrofoam, freezer boxes, wires, pet waste or treated wood or other construction materials.

City of Portland Bureau of Planning and Sustainability | Questions? E-mail: [wasteinfo@portlandoregon.gov](mailto:wasteinfo@portlandoregon.gov) • Call: 503-823-7202  
 Visit: [www.portlandonline.com/bps/fspilot](http://www.portlandonline.com/bps/fspilot)

**Refrigerator magnet**

- ▶ Other materials included a door hanger left by City employees who canvassed the pilot neighborhoods and a sticker for placing on the green yard debris roll carts.



Door hanger



Sticker for green yard debris roll cart

**KITCHEN PAIL MOST LIKELY TO BE RECALLED. RECALL SIMILAR FOR FOCUS GROUP PARTICIPANTS WHO ARE HOMEOWNERS.**

Respondents to the post-implementation survey were asked which, if any, of the materials they remember receiving to help them get started with the Food Scraps Composting Program. A list of types of materials were read to each respondent. Almost every respondent recalls receiving at least one of the items on the list — only 2% indicated they did not remember receiving any of the materials listed.

Findings about specific materials include:

- ▶ **The kitchen pail is most likely to be recalled.** An overwhelming majority — a little over 9 in 10 — of respondents remember getting the kitchen pail. Even among those who say they seldom or never participate in the program, recall is very high — 84%.
- ▶ **Recall is also good for three types of printed materials.** Respondents are also very likely to remember receiving the letter from the City and their garbage hauler prior to the start of the program (84%), the new collection schedule for their garbage and recycling (83%), and the brochure and poster explaining the new program (83%). Among those who are not participating, recall of these materials is still very good, especially for the letter (81%). It is, however, lower for the new schedule (68%) and the brochure/poster (68%).
- ▶ **Refrigerator magnet and information left on their garbage container recalled by about two-thirds.** Recall of these items, however, falls to about one-third for those who are not participating in the program.
- ▶ **Information from a home visit, mass media, and neighborhood association are less likely to be recalled.** Only about one-quarter remember a home visit. About 2 in 10 remember seeing something about the pilot program in newspapers, TV, or radio, a good demonstration of how attention to local media is declining, as recall of this type of media was much higher even five years ago. Receiving information from a neighborhood association is recalled by 14%.

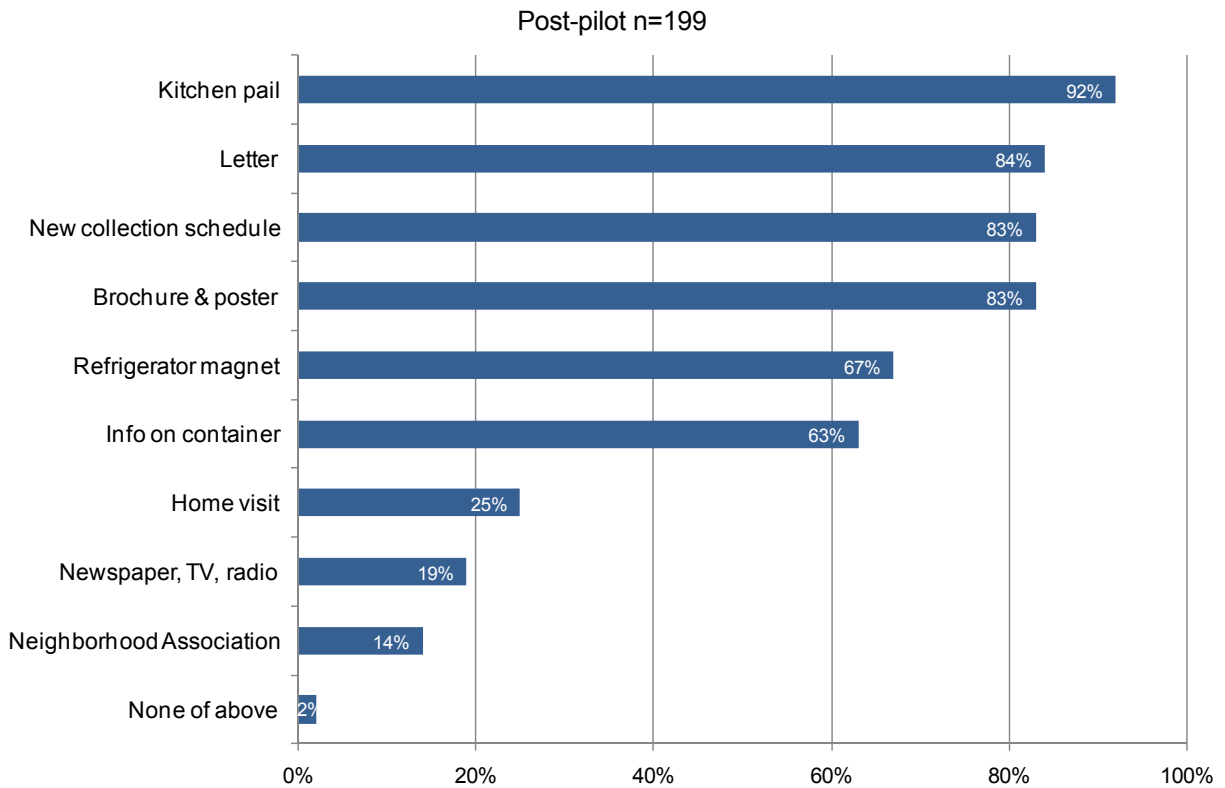
In the focus groups, the daily and weekly/month group participants have recall that is similar to the survey participants. All recalled receiving the kitchen pail and the letter from the City/Hauler as well as the new collection schedule and the brochures/poster. Fewer, but still most recalled the refrigerator magnet. Recall of the sticker for the yard debris roll cart is lower and only a handful recall the home visit, receiving information from the neighborhood association, or anything in the newspaper, or on radio or TV.

With the exception of the kitchen pail, participants in the renter group, however, are much less likely to recall receiving any information from the City. Even those renters who are currently collecting food scraps are less likely to recall receiving anything except for the kitchen pail. “You know, I think I did get that letter, but I threw it away without opening it.”

### Recall of communications vehicles – Post-pilot

Q: Which, if any, of the following did you receive to help you get started with the food scraps composting program?

- ✓ Letter from City of Portland & your garbage hauler prior to the start of the program
- ✓ Refrigerator magnet illustrating what can be composted
- ✓ Brochure and poster explaining the new program
- ✓ Kitchen pail to use to collect food scraps
- ✓ New collection schedule for your garbage & recycling system
- ✓ Home visit from City representative
- ✓ Information left on your garbage container about the program
- ✓ Newspapers, television, or radio
- ✓ Information from your neighborhood association



**MATERIALS PROVIDED TO RESIDENTS CONSIDERED VERY USEFUL BY MOST, ESPECIALLY THOSE WHO ARE COLLECTING FOOD SCRAPS FOR THE GREEN YARD DEBRIS ROLL CART ON A DAILY BASIS.**

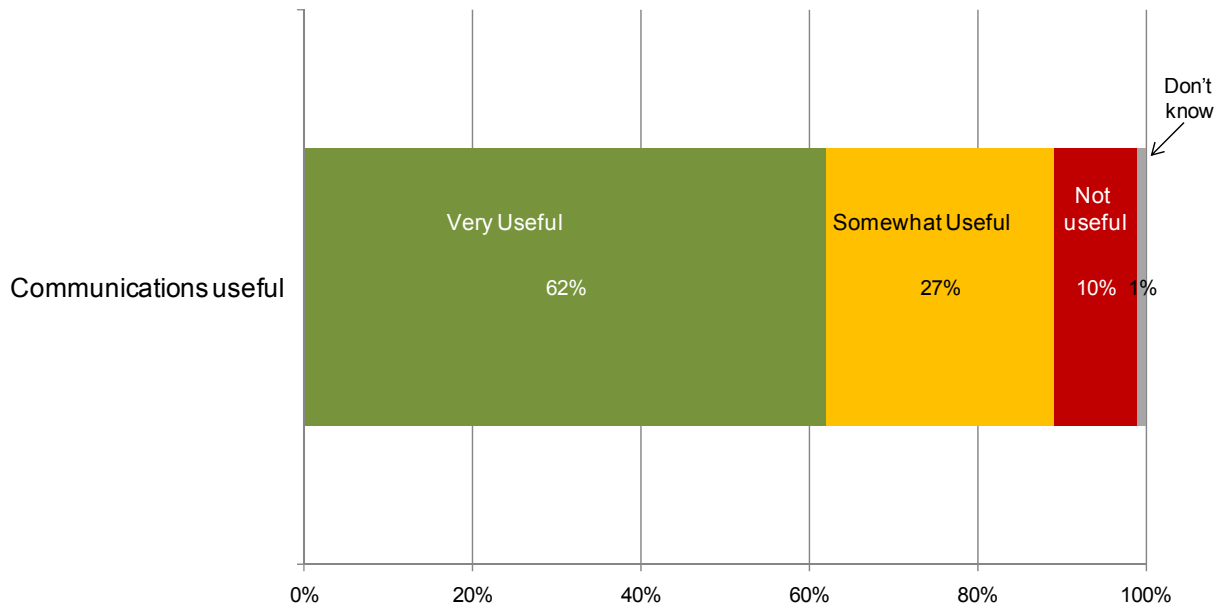
All of the respondents who remember receiving at least one of the items on the list of materials were asked how useful the materials were in getting their household started with the Food Scraps Composting Program — very, somewhat, or not useful at all. Overall, the ratings are very good, with almost two-thirds indicating the materials they recall receiving were very useful. Only 1 in 10 say they were not useful at all.

Not surprisingly, as shown on the second graphic, there are significant differences on how useful they perceive the materials by how often the respondent currently collects their food scraps for the green roll cart. Among those who are daily participants in the program, 78% say the materials were very useful and only 3% say they are not useful. However, the percentage who found the materials very useful does fall along with participation in the program. Of those who say they are seldom or never collecting food scraps for the green roll cart, almost 4 in 10 say the materials were not useful and one-third say they were only somewhat useful.

**Usefulness of communications materials – Post-pilot**

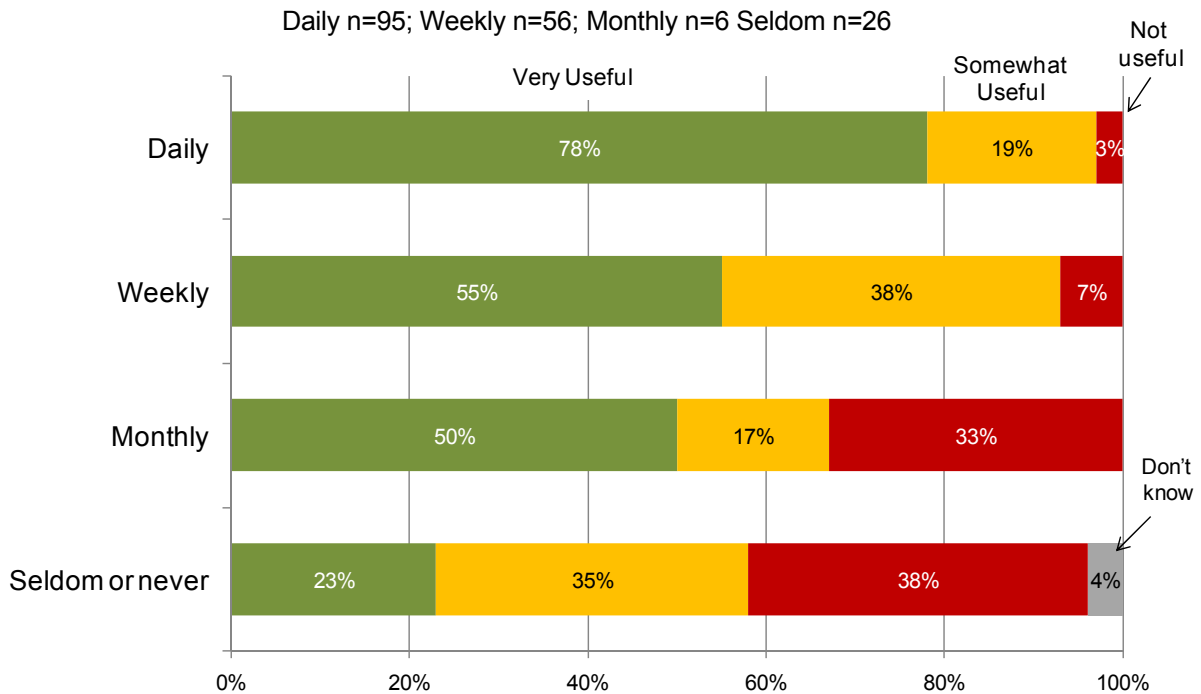
*Q: How useful were the materials provided in getting your household started with the food scraps composting program? Were they very useful, somewhat useful, or not useful at all?*

Asked only of those who recall receiving at least one of the materials; Post-pilot n=183



## Usefulness of communications materials by frequency of participation – Post-pilot

Asked only of those who recall receiving at least one of the materials



**FOCUS GROUP PARTICIPANTS TYPICALLY FIND THE KITCHEN PAIL, THE LETTER FROM THE CITY/HAULER, AND THE NEW COLLECTION SCHEDULE MOST USEFUL. OTHER THAN THE KITCHEN PAIL, RENTERS ARE LESS LIKELY TO FIND ANY OF THE MATERIALS USEFUL.**

When focus group participants are asked how useful each of the materials sent to them are, there is agreement that the kitchen pail was most useful. As noted earlier, many participants in the focus groups believe that participation in the Food Scraps Program would have been lower if the kitchen pail had not been distributed to all households. This is true of both homeowners and renters.

A few homeowners say it took awhile for their household to receive their pail and that they had to call their hauler in order to accomplish this. One in the weekly/monthly group says they just received their pail within the last month.

Findings about other material include:

- ▶ **Participants often say materials do not highlight important changes to the system.** Participants, particularly in the weekly/monthly and renters groups, are critical of how the information about the changes to the system are presented in the materials. “You really had

to look to find out that they were reducing your garbage service.” “It was all about the food scraps program and then ‘oh by the way, we are reducing your garbage service.’ And reducing the garbage service is the big change.”

A number of participants say they misread the statement that “weekly garbage service will be available following a 30-day trial period” to mean they could return to the old system — at the same rate — if they didn’t like the Food Scraps Composting Program. They were then surprised — and unhappy — when they learned that this would double the cost of their garbage.

- ▶ **Homeowners say they read the letter from the City/Hauler and it was useful.** However, some were critical of the timing on the letter, saying that they received it only a week before the start of the Pilot Program and after they had filled their garbage can for the week. “We got the letter and the program started the next week. We didn’t have time to prepare, our can was full, but the garbage wasn’t picked up.”
- ▶ **The brochure with the new garbage schedule was particularly useful.** Most participants say they kept the brochure providing the new schedule and put it up where they can easily see it since “if you miss a week, you are really in trouble. Your garbage isn’t picked up for a month.” A few participants say they lost their schedule and wanted to know where to get a new one.
- ▶ **Poster does a good job of showing which food scraps can go into the green yard debris roll cart.** Most of the participants like the brochure sent with the kitchen pail and say it provided all the information they needed to get started with food scraps collecting. A few say the poster has been put on their refrigerator door, on the door under the sink so that it can be referred to when putting items in the kitchen pail, or in the “garage where the yard debris is.”
- ▶ **There is agreement, however, that poster needs to include pictures of what cannot be put into the green yard debris roll cart.** As noted earlier, there is often confusion about which paper products in particular can be placed in the green yard debris roll cart. When looking at the materials, participants point out that while there are pictures of the different types of food that can be placed in the green yard debris roll cart, there is only a written list of what can’t go into the cart. “You need pictures of what can’t go in with the big ‘no’ sign over them.”
- ▶ **Weekly/monthly food scraps collectors say the information is repetitious.** While not heard in the daily or renter groups, participants in the weekly/month group say that the materials are too repetitious. “They say the same thing over and over again and use the same pictures. There is never anything new.”
- ▶ **Renters say all information needs to be in picture format.** Renters did not pay nearly as much attention to the materials as homeowners and one reason, according to the renters, is that there are not enough pictures. “Everything needs to be in pictures. Give me pictures of what can do in and what can’t go in.”
- ▶ **Magnet does not appear to be used by many.** A few participants in each group say they kept the refrigerator magnet. “The magnet holds up the poster on my refrigerator. Most, however, say they “threw the magnet away.” “I have no idea where the magnet is. I guess I tossed it.”

- ▶ **Few made any effort to gather additional information about the food scraps program.** Participants in the groups had a number of questions about what could go in the green yard debris roll cart during the groups — yogurt, cottage cheese, cat food, compostable containers, paper towels, and paper plates. However, few made much effort to determine the answer to their questions. While two people in the daily group had called the City and/or the hauler to complain about the program, only one person in the daily group and one in the weekly/month group made any effort to learn more about the food scraps program. One person in the daily group made several calls to the City to determine whether compostable containers could go into the green yard debris cart. She reported that it took several calls to determine who could answer the question, but once she reached the correct person “he was very helpful, but it took some effort.” One person in the weekly/monthly group says she went to the hauler’s website to try and determine if cat food can be placed in the green yard debris roll cart but that, “they didn’t have any more information than what is in the brochure.” At that point, she gave up her search. Another participant says she called her hauler to complain about the reduction of garbage service, but they told her to call the City.



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## Key Conclusions & Recommendations

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The following provides Campbell DeLong Resources' conclusions and recommendations based on the current research as well as past experience. This section is intended to provide both a summary of the key recommendations that grow directly from the research and to introduce our further judgments and recommendations based on a comparison of these findings with previous research.

### 1. CHANGE IS DIFFICULT AND AS CURRENTLY CONFIGURED, THE FOOD SCRAPS COMPOSTING PROGRAM INTRODUCES CHANGE ON A NUMBER OF DIFFERENT DIMENSIONS.

While the pilot project is called Food Scraps Composting, it is clear to residents that it is much more than a simple expansion of what can be recycled and kept out of their garbage. Changes the Food Scraps Composting Program asks Portland residents to make include:

- ▶ **How they handle their food.** Rather than into the garbage or down the garbage disposal, residents are asked to place their food scraps into a kitchen pail and then into the green yard debris roll cart.
- ▶ **How they think about their yard debris.** Because food scraps are being placed into the green yard debris roll cart, many who are participating start thinking differently about their yard debris, placing yard debris into the roll cart prior to putting in any food scraps in order to keep the roll cart as clean and odor-free as possible.
- ▶ **How much garbage their household can generate.** Even assuming they are putting all their food scraps into the green yard debris roll cart and that 30% of their garbage is food scraps (a fact most believe is not true for their household), there has been a 50% reduction in the amount they can put into their garbage can over a two week period.
- ▶ **How much recycled materials their household can collect.** For those who had the frequency of their recycling pickup go from once a week to once every two weeks, the amount they can recycle has been reduced.

However, while making a number of substantial changes to the garbage and recycling system, to residents at least, the City appears to be downplaying what they are asking Portlanders to do. A good example is calling the program “voluntary.” Yes, residents do not have to collect food scraps for composting. However, there is nothing voluntary about the reduction in garbage and recycling service. Yes, they can have weekly garbage service — but at a rather steep price — double what they were paying before the pilot project. This, residents point out, is not a voluntary program.

For the food scraps composting program to be successful, then, the City must do a better job of both acknowledging and facilitating the change it wants to bring about.

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**2. MOST RESIDENTS ARE WILLING TO PARTICIPATE IN FOOD SCRAPS COLLECTION AND WANT THE PROGRAM TO SUCCEED. THEY WOULD LIKE, HOWEVER, A SMALLER CURBSIDE CONTAINER.**

While not always happy with how the Food Scraps Composting Program is being implemented, residents in the pilot project neighborhoods do believe that collecting food scraps and turning them into a useful product — compost to improve the health of soil — is a worthwhile endeavor. This is evident in the high participation rate (75%), the very high percentage who strongly agree (75%) after four months experience with the food scraps program that “turning food scraps into compost is a good idea because compost is a valuable fertilizer for healthier gardens and farms,” as well as the discussion during the focus groups.

When considering the food scraps collection portion of the program, pilot area residents have just one major change they would like to see — and we acknowledge that it is a big change in how the program is currently envisioned — a smaller curbside container. Using the green yard debris roll cart seems like overkill to almost all the participants in the focus groups. By their estimation, they have between a gallon and five gallons of food scraps every week. But the green yard debris roll cart is designed to take 60 gallons. This ratio doesn't make sense to many residents of the pilot areas. In addition, while certainly not talking about eliminating all odors and insects from the green yard debris roll cart, residents would like to make some effort to reduce odors and minimize fruit flies, worms, maggots, and other insects in the green cart and ensure it is not attracting rodents by rinsing or washing out the cart. However, due to the size of the roll cart, this is not possible.

The benefit to the City of going to a smaller container, besides more satisfied garbage and recycling customers, may very well be an increase in the amount of food collected, as we suspect that residents would be more likely to put “messy” foods into a curbside container that they can easily wash out.

**3. PROVIDE ALL RESIDENTS WITH A KITCHEN PAIL.**

While not all residents of the pilot area used the kitchen pail provided by the City, a substantial majority did and for the most part they found it worked well. It also had the advantage of getting people's attention when it was delivered prior to the start of the Food Scraps Composting Program. Of post-implementation survey respondents, 92% remember getting the pail and 68% of these people either strongly (48%) or somewhat (20%) agree that the pail was useful. Participants in the focus group generally believe that participation in the Food Scraps Composting Program would have been lower without the pail. The City, then, should plan on providing a kitchen pail to all residents once the program is rolled out to all city residents. Of course, not all residents will want to use the pail, and haulers need to be willing to take back any pail that is not wanted.

Residents like the oval shape of the pail, which they say fits easily under the sink with their garbage container. The neutral tan is acceptable, although a few say a green that matches the green of the yard debris container would make sense. The size appears to have hit a good average — a few say they would like a smaller pail, others a larger one, but most say it is a good size.

The only “re-design” that pilot area residents indicate is needed with the pail is a clasp on the lid that will more easily stay closed so that they feel more confident that odors, fruit flies, and other insects will stay in the pail.

**4. RE-ASSESS EVERY OTHER WEEK GARBAGE COLLECTION. IF THE DECISION IS MADE TO PROCEED WITH BI-WEEKLY GARBAGE PICKUP, THE CITY NEEDS TO TAKE STEPS TO ASSIST HOUSEHOLDS IN THE TRANSITION.**

For many, if not most, residents in the pilot area, the most significant and most difficult change to adjust to was the change to every two week garbage pickup. It was perceived as a sudden 50% reduction in service. Particularly to larger households and households who had done the environmentally correct thing and reduced their can size, it is a hardship.

Having garbage picked up every two weeks forced households to re-think their garbage and to participate in the Food Scraps Composting Program. That, of course, is not necessarily a bad thing. So, the decision whether or not to continue with this approach is not an easy one and many factors must be taken into consideration. We think it likely, however, that satisfaction with Portland's garbage and recycling systems will be higher if garbage is picked up every week.

If the City decides to implement every two week garbage as part of the Food Scraps Composting program, it must acknowledge that this is not an easy transition for many and assist households in making the transition. The City could do this but should be considering the following:

- ▶ **Allowing households to change to a larger container at no extra charge.** According to City statistics, if residents put all their food scraps into the green yard debris roll cart, they should be reducing the weight of their garbage can by 30%. However, by going to every two week garbage, they are reducing their garbage capacity by 50%. For some residents, who are not filling their garbage to capacity each week, the missing 20% is not a problem. For others, it is a problem. Giving them back the extra capacity — and capacity appears to be the issue, not that garbage collection occurs every other week — would go a long way to resolving this issue.
- ▶ **At first, free pickup if they forget to put out garbage.** Prior to the start of the Food Scraps Composting Program, when residents forget to put their garbage out, they only had to wait a week before the next pickup. With every two week garbage pickup, the wait is two weeks. That, combined with the reduced capacity, can be a real problem. Certainly residents need to be responsible for remembering which day is their garbage day. But allowing for a couple of “free passes” to have your garbage picked up if you forget to put it out during the first months would acknowledge at least one of the problems every two week garbage can create for residents.
- ▶ **Identifying a way for the occasional extra bag to be picked up at no extra change.** Another way to help address to the reduced capacity issue suggested by focus group participants would be to allow the occasional extra bag at no extra change. This would be particularly helpful to the residents in the focus groups who say they typically do not have a big problem with every other week garbage collection, but when something out the of the ordinary happens — the purchase of a TV packed in Styrofoam or a large event at their house — they need a little extra capacity.
- ▶ **Identifying a way to provide additional pickup for major garbage producing holidays — Thanksgiving, Christmas, and New Years.** Some focus group participants have concerns specifically about the holiday season, when they tend to have more garbage and recycling. Again, developing a plan to address this issue demonstrates to residents that the City understands the problems arising from the change to the new garbage and recycling system and wants to help with the solutions.

## 5. CONTINUE WEEKLY RECYCLING PICKUP IF AT ALL POSSIBLE WITHIN COST CONSTRAINTS

Like every two week garbage collection, many pilot program residents would prefer to have weekly recycling service. Data from the telephone surveys suggest that there is less concern about a reduction in recycling service than there is about the reduction in garbage service. However, participants in the focus group who went to every two week recycling pickup often say they want weekly recycling back. In addition, we have some concern that adding food scraps but reducing blue roll cart recycling service will be taken, at least by some, to signify that the City lacks a real commitment to the blue roll cart recycling, a part of the current system that Portlanders love.

We realize that going to every other week recycling is driven by a desire to save money and keep rates as low as possible. Certainly, residents in the focus group were not interested in any type of significant increase in garbage and recycling rates. However, if going to every two week recycling collection is necessary, as with garbage, the City needs to develop ways to allow for the occasional extra volume that households can generate.

## 6. SOME RECOMMENDATIONS FOR ADJUSTMENTS TO COMMUNICATIONS MATERIALS EMERGE FROM RESEARCH.

Overall, the communications materials did a good job of telling pilot area residents how to begin the Food Scrap Composting Program. However, participants in the focus groups do suggest a number of areas for improvement, including:

- ▶ **Clearly stating all changes to the garbage and recycling system.** There is a perception that the City, if not hiding the fact that garbage service was being reduced, certainly was not as clear on that point as residents would have liked. Materials for the city-wide roll out must be very clear about all the changes residents will experience.
- ▶ **Tell residents why they should participate.** As important as telling residents how to collect food scraps for composting is telling them why it is important to participate. Materials need to remind residents of the benefits of food scraps composting, including:
  - ✓ Reducing the amount of their garbage that goes into the landfill.
  - ✓ Putting food scraps to a better use— turning them into compost that will be used for healthy soil.
- ▶ **Use pictures to tell people what can & cannot be composted under the program.** Clearly residents look to pictures to tell them what they can and cannot put into the green yard debris roll cart. Participants in the focus groups ask for more pictures — to tell them more specifically what can go in, and what should stay out, of the green yard debris roll cart.
- ▶ **Address resident concerns about smell, fruit fillies and other insects, worms, and rodents — and provide solutions.** The materials sent out to pilot project residents did nothing to address what residents should do if they do experience some of the problems that collecting food scraps for composting can generate. Addressing these in the literature, or being very clear how they can look up the information on a website, is an important part of acknowledging the problem and facilitating a solution that residents can implement.

## 7. REACHING RENTERS WILL BE MORE DIFFICULT THAN REACHING HOMEOWNERS.

Few renters were included in the telephone surveys and only one focus group was held with renters. However, this one group did reveal, as expected, that renters are different than homeowners and that reaching them will be more difficult. However, once reached, they appear just as willing to participate in the Food Scraps Composting Program as homeowners.

Note that renters:

- ▶ **May not receive materials.** If materials are mailed to a billing address, renters won't get the information, as almost all renters in the focus group indicated their landlord, not their household, pays the garbage and recycling bill.
- ▶ **Are less likely to open letters.** Renters frequently told us they just tossed the letter from the City/Hauler into the recycling bin, unopened.
- ▶ **Less likely to read an "official" looking letter.** While remembering receiving the letter from the City/Hauler, several renters said they didn't bother to read it. All of the homeowners read their letters, even discussing its contents with neighbors when they didn't understand it.
- ▶ **Respond best to very visual means of communications.** "Pictures, it needs to be in pictures for me to pay attention to it." Renters, even more than homeowners, say information needs to be in picture form in order to catch their attention.



## Appendix

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## Methods

### RESEARCH GOAL AND OBJECTIVES

The goal of the research is to provide the reaction of residents of four pilot areas within the city of Portland to the residential Food Scraps Composting Program being implemented during the spring and summer of 2010. Specific objectives include providing:

- ▶ An understanding of customer attitudes and perceptions of the new residential food scraps program in four pilot neighborhoods *before* the pilot program is implemented.
- ▶ An assessment of customer attitudes and perceptions in the pilot neighborhoods several months *after* implementation of the program.
- ▶ A qualitative assessment of customer reaction to the food scrap program and communications materials used in the pilot program.
- ▶ Recommendations, based on the research, on how to improve the program's design and communications materials prior to the program's introduction city-wide.

### STUDY DESIGN

Three research projects were undertaken to achieve the above goal and objective:

1. **Pre-program introduction telephone survey of garbage and recycling customers in pilot neighborhoods.**
2. **Post-program telephone survey of garbage and recycling customers in pilot neighborhoods.**
3. **Post-program focus groups with customers in the pilot neighborhoods.**

The following outlines the methodology used for each of the three projects

### PRE-PILOT TELEPHONE SURVEY

- ▶ **Interviewing.** All interviewing took place using a computer-aided telephone system (CATI) at Campbell DeLong Resources, Inc.'s strategic partner, Pacific Market Research, a data collection firm headquartered in the Pacific Northwest. Interviewing began March 31, 2010 and concluded on April 5, 2010. This is prior to the start of the Food Scraps Composting Program in early May of 2010.
- ▶ **Sample frame/respondent criteria.** Each of the four haulers involved in the four pilot area provided lists, with phone numbers, of those households that are part of the pilot area. Respondents were then screened to ensure they live in the appropriate area and met the following criteria:
  - ✓ Live in pilot project area

- ✓ Live in single family home or up to 4-unit complex
- ✓ Responsible or share responsibility for garbage & recycling

- ▶ **Sample size/reliability.** Interviews were completed with 200 residents of the pilot areas, 50 from each area. The worst-case theoretic reliability for a sample of 200 is  $\pm 6.5\%$ .

This “*worst-case reliability*” figure is based on the following assumptions:

- ✓ **The sample is drawn from a universe of 1777**, the number of residents on the lists provided by the haulers.
  - ✓ **The reliability is calculated at the 95% confidence level.** This means that if a large number of samples of 200 were taken, in 95% of the samples the survey results would not vary from the mean sample results by more than  $\pm 6.5\%$ .
  - ✓ **The calculation applies to a dichotomous variable with results distributed 50/50.** An example of this would be a question with two possible answers — yes or no — where half say “yes” and half say “no.” As the distribution moves away from 50/50, the reliability improves.
  - ✓ **Reliability for subsamples will depend on the sample size and the distribution of the response.**
- ▶ **Questionnaire design.** The questionnaire was designed by Campbell DeLong Resources, Inc. based on input from City staff.

A copy of the questionnaire is included in this Appendix.

- ▶ **Computer processing.** A cross-tabulation was used to sort the data into a total of 23 unique segments. The following is a list of the segments provided in the printout, along with the number of respondents in each segment.

✓ Total .....	200
✓ Area of Portland	
• Southwest.....	50
• Outer Southeast .....	50
• Inner Southeast.....	50
• Central Northeast.....	50
✓ Current satisfaction with Portland’s garbage and recycling system	
• Somewhat or not satisfied .....	67
• Very satisfied.....	129
✓ Household size	
• One person.....	35
• Two people.....	76
• Three or four people.....	71
• Five or more people .....	12
✓ Has at least one child under the age of 3 in the home.....	20

✓ Education	
• Not a college graduate .....	67
• College graduate .....	126
✓ Length of time living in Portland	
• 20 or fewer years.....	92
• Over 20 years.....	105
✓ Gender	
• Male.....	75
• Female .....	125
✓ Whether or not household composts food scraps	
• Yes, composts food scraps .....	75
• No, does not compost food scraps.....	104
✓ Age	
• 18 to 34 .....	17
• 35 to 54 .....	84
• 55 or older .....	89

## POST-PILOT TELEPHONE SURVEY

So that results are comparable, the methodology used for the post-pilot survey was the same as the pre-pilot survey with the following exceptions.

- ▶ **Interviewing.** Interviewing was conducted September 9 - 14, 2010.
- ▶ **Sample frame/respondent criteria.** Again, each of the four haulers involved in the four pilot areas provided lists, with phone numbers, of those households that are part of the pilot area. In addition, for those residents on the lists where the billing address was different from the service address, it was assumed that the property was likely a rental. The residential address, then, was sent through a matching service to identify the phone number associated with that residence. An additional 55 phone numbers were located using this methodology.
- ▶ **Computer processing.** A cross-tabulation was used to sort the data into a total of 29 unique segments in two printouts. The following is a list of the segments provided in the printout, along with the number of respondents in each segment.

### Participation in Food Scraps Composting Program

✓ Total .....	201
✓ Area of Portland	
• Southwest.....	51
• Outer Southeast .....	50

• Inner Southeast.....	50
• Central Northeast.....	50
✓ Current satisfaction with Portland's garbage and recycling system	
• Somewhat or not satisfied.....	114
• Very satisfied.....	84
✓ Frequency of blue recycling roll cart pickup	
• Weekly pickup.....	94
• Every two week pickup.....	99
✓ Frequency of collecting food scraps for green yard debris roll cart	
• Daily.....	99
• At least once a week.....	61
• A few times a month.....	8
• Seldom or never.....	31
✓ Household composts in backyard.....	66
✓ Awareness home is in pilot area	
• Yes, aware in pilot area.....	199
• No, not aware in pilot area.....	2
<b>Demographics</b>	
✓ Total.....	201
✓ Household size	
• One person.....	30
• Two people.....	83
• Three or four people.....	71
• Five or more people.....	14
✓ Education	
• Not a college graduate.....	84
• College graduate.....	113
✓ Length of time living in Portland	
• 20 or fewer years.....	86
• Over 20 years.....	111
✓ Gender	
• Male.....	72
• Female.....	127

✓ Age	
• 18 to 34 .....	13
• 35 to 54 .....	83
• 55 or older .....	100

## POST-PILOT FOCUS GROUPS

- ▶ **Study design.** A total of three focus groups were conducted — one with homeowners who say they are collecting food scraps for composting in the green yard debris roll cart on a daily basis, one with homeowners who say they are collecting food scraps for the green yard debris roll cart on a weekly or monthly basis, and one with renters who may, or may not, be collecting food scraps.
- ▶  **Screener and discussion guide.** CDRI developed screening questionnaires and a discussion guide for the focus groups, working in consultation with Bureau of Planning and Sustainability staff.
- ▶ **Participant criteria.** All potential participants for the focus groups were screened to ensure the following:
  - ✓ Lives inside one of the four pilot areas. Quotas set to ensure representation from each pilot area.
  - ✓ For one group, is a homeowner who is collecting food scraps daily for the green yard debris roll cart.
  - ✓ For one group, is a homeowner who is collecting food scraps weekly or monthly for the green yard debris roll cart.
  - ✓ For one group, is a renter.
  - ✓ Is the individual most responsible or shares responsibility for garbage & recycling
- ▶ **Focus group logistics.** The focus groups were held at VuPoint, a focus group facility with a one-way mirror in Northwest Portland on the MAX line. Each of the groups were held in the evening and lasted approximately 90 minutes. Each group was video recorded. Participants were served refreshments. All participants were given a \$50 Fred Meyer gift card in appreciation for their attendance.
- ▶ **Moderator.** The groups were moderated by Martha DeLong, CEO of Campbell DeLong Resources, Inc.

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- **Interpreting focus group research.** Focus groups provide a wealth of information about an issue, product, or service. CDRI has conducted hundreds of groups and has seen the results consistently validated. However, it is important for the reader to keep in mind that the purpose of this project is to explore attitudes, motivations, and opinions, not frequency or distribution. When reading this report and using the information it contains, remember the following:
- ✓ Consistency, consensus, and the range of opinion are what we are looking for in focus group research. The consistency and consensus may be evident among participants in a single group or found in the responses of two or more groups.
  - ✓ While focus groups also provide valuable input regarding the range of opinions that exist within a population, when analyzing the focus groups, we are striving to explain how people feel and why they have a particular viewpoint, not to provide a precise percentage.
  - ✓ The number of people participating in a focus group is limited and participants have been carefully selected based on specific criteria. As a result, the findings cannot be projected to a larger population on a one-to-one basis.
  - ✓ When watching a group live or viewing the DVD of a group, be careful not to give too much importance to the opinion of any one participant. Although that participant may be articulate and express a desired viewpoint, the opinion may not be that of the entire group.

## **Pre-Pilot Questionnaire**





**CITY OF PORTLAND BUREAU OF PLANNING AND SUSTAINABILITY  
FOOD SCRAPS PRE-PILOT PROJECT SURVEY**

**April 2010  
CDRI 797**

DATE \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_

RESPONDENT NAME \_\_\_\_\_

INTERVIEWER \_\_\_\_\_

<b>REASON FOR TERMINATION</b>	
<b>No answer/busy/disconnect .....</b>	_____
<b>Initial refusal.....</b>	_____
<b>Qualified but refused .....</b>	_____
<b>Not person most responsible for recycling (Q2).....</b>	_____

**INTRODUCTION**

**(TO RANDOM HOUSEHOLD RESPONDENT:)** Hello, I'm (FIRST AND LAST NAME) from Campbell DeLong Resources. We are conducting a brief study on garbage and recycling for the City of Portland Bureau of Planning and Sustainability. This is strictly research; I am not selling anything. May I please speak with a household member who is 18 years of age or older and is most responsible for your household's garbage and recycling? **IF NOT AVAILABLE, MAKE CALLBACK APPOINTMENT FOR FIRST POSSIBLE TIME.**

**(TO NEW HOUSEHOLD RESPONDENT:)** Hello, I'm (FIRST AND LAST NAME) from Campbell DeLong Resources. We are conducting a brief study on garbage and recycling for the City of Portland Bureau of Planning and Sustainability. This is strictly research; I am not selling anything.

**IF NECESSARY:** The survey typically takes no more than 5 or 6 minutes to complete.

## PILOT AREA SCREENING

First, I have just a few questions to make sure you live in the appropriate neighborhood for this survey.

### IF FROM ALLIED WASTE LIST:

- A. Do you live within a mile of the Mountain Park New Seasons store? **AS NECESSARY:** The Mountain Park New Seasons store is located in the Oswego Towne Square that also includes Columbia Sportswear, Hanna Anderson, and Flying Pie Pizzeria.

Yes .....	1	<b>CONTINUE</b>
No.....	2	<b>POLITELY DISCONTINUE</b>
Don't know .....	99	<b>POLITELY DISCONTINUE</b>

### IF FROM WASTE MANAGEMENT LIST:

- A. Do you live north or south of Southeast Mill Street?

North .....	1	<b>CONTINUE</b>
South.....	2	<b>POLITELY DISCONTINUE</b>
Don't know .....	99	<b>POLITELY DISCONTINUE</b>

- B. Do you live north or south of Southeast Stark Street?

North .....	1	<b>POLITELY DISCONTINUE</b>
South.....	2	<b>CONTINUE</b>
Don't know .....	99	<b>POLITELY DISCONTINUE</b>

- C. Do you live east or west of Southeast 139<sup>nd</sup> Avenue?

East.....	1	<b>CONTINUE</b>
West.....	2	<b>POLITELY DISCONTINUE</b>
Don't know .....	99	<b>POLITELY DISCONTINUE</b>

- D. Do you live east or west of Southeast 148<sup>nd</sup> Avenue?

East.....	1	<b>POLITELY DISCONTINUE</b>
West.....	2	<b>CONTINUE</b>
Don't know .....	99	<b>POLITELY DISCONTINUE</b>

### IF FROM ARROW SANITARY LIST:

- A. Do you live north or south of Southeast Clinton Street?

North .....	1	<b>POLITELY DISCONTINUE</b>
South.....	2	<b>CONTINUE</b>
Don't know .....	99	<b>POLITELY DISCONTINUE</b>

- B. Do you live north or south of Southeast Powell?
- |                  |    |                      |
|------------------|----|----------------------|
| North .....      | 1  | CONTINUE             |
| South.....       | 2  | POLITELY DISCONTINUE |
| Don't know ..... | 99 | POLITELY DISCONTINUE |
- C. Do you live east or west of Southeast 33<sup>th</sup> Avenue?
- |                  |    |                      |
|------------------|----|----------------------|
| East.....        | 1  | CONTINUE             |
| West.....        | 2  | POLITELY DISCONTINUE |
| Don't know ..... | 99 | POLITELY DISCONTINUE |
- D. Do you live east or west of Southeast 39<sup>th</sup> Avenue?
- |                  |    |                      |
|------------------|----|----------------------|
| East.....        | 1  | POLITELY DISCONTINUE |
| West.....        | 2  | CONTINUE             |
| Don't know ..... | 99 | POLITELY DISCONTINUE |

**IF FROM HEIBERG GARBAGE SERVICE LIST:**

- A. Do you live north or south of Sandy Blvd?
- |                  |    |                      |
|------------------|----|----------------------|
| North .....      | 1  | POLITELY DISCONTINUE |
| South.....       | 2  | CONTINUE             |
| Don't know ..... | 99 | POLITELY DISCONTINUE |
- B. Do you live north or south of the Rose City Golf Course? **AS NECESSARY:** The Rose City Golf Course is between Northeast Sacramento and Tillamook Streets.
- |                  |    |                      |
|------------------|----|----------------------|
| North .....      | 1  | CONTINUE             |
| South.....       | 2  | POLITELY DISCONTINUE |
| Don't know ..... | 99 | POLITELY DISCONTINUE |
- C. Do you live east or west of Northeast 70<sup>th</sup> Avenue?
- |                  |    |                      |
|------------------|----|----------------------|
| East.....        | 1  | CONTINUE             |
| West.....        | 2  | POLITELY DISCONTINUE |
| Don't know ..... | 99 | POLITELY DISCONTINUE |
- D. Do you live east or west of Northeast 77<sup>th</sup> Avenue?
- |                  |    |                      |
|------------------|----|----------------------|
| East.....        | 1  | POLITELY DISCONTINUE |
| West.....        | 2  | CONTINUE             |
| Don't know ..... | 99 | POLITELY DISCONTINUE |

**HAULER QUOTA:**

Allied Waste .....	01	<b>QUOTA OF 50</b>
Waste Management .....	02	<b>QUOTA OF 50</b>
Arrow Sanitary.....	03	<b>QUOTA OF 50</b>
Heiberg Garbage Services.....	04	<b>QUOTA OF 50</b>

<b>ADDITIONAL SCREENING</b>
-----------------------------

1. **GENDER. RECORD. DO NOT ASK.**

Male .....	1
Female.....	2
Unknown.....	3

2. First, which of the following best describes your home?

Single-family residence .....	1	<b>CONTINUE</b>
Duplex .....	2	<b>CONTINUE</b>
Townhouse, condominium, or apartment with no more than four units in the complex .....	3	<b>CONTINUE</b>
Townhouse, condominium, or apartment with five or more units in the complex .....	4	<b>POLITELY DISCONTINUE</b>

3. And just to confirm, are you the person in your household who is most responsible for your household's garbage and recycling, do you share this responsibility, or is this someone else's responsibility?

Yes, most responsible .....	1	<b>CONTINUE</b>
Yes, shares with others .....	2	<b>CONTINUE</b>
No, not responsible.....	3	<b>ASK FOR REFERRAL</b>
<b>DO NOT READ:</b> Don't know/unsure .....	98	<b>ASK FOR REFERRAL</b>
<b>DO NOT READ:</b> Refused.....	99	<b>POLITELY DISCONTINUE</b>

## GARBAGE & RECYCLING USAGE

4. First, the major elements of Portland’s current garbage and recycling system include the blue roll cart for recycling, the green yard debris roll cart, and your garbage container. Overall, how satisfied are you with Portland’s current garbage and recycling system? Would you say you are very, somewhat, or not satisfied at all with the current system? **RECORD.**

Not satisfied ..... 1  
 Somewhat satisfied..... 2  
 Very satisfied ..... 3  
 Don't know ..... 9

5. Now, how often, if at all, does your household currently set out (**ITEM FROM LIST BELOW**) at the curb? Do you set it weekly, every two weeks, once a month, or less than once a month? And how about (**NEXT ITEM. REPEAT FOR EACH ITEM**)? **REPEAT SCALE AS NEEDED. RECORD.**

	Weekly	Every 2 Weeks	Monthly	Less than 1 per month	Never	DK
The blue recycling roll cart .....	1	2	3	4	5	9
The green yard debris roll cart ..	1	2	3	4	5	9
A container with glass only .....	1	2	3	4	5	9
Your garbage .....	1	2	3	4	5	9

**IF SAYS DOES NOT SET GARBAGE OUT AT CURB, GARBAGE PICKED UP BY HAULER IN BACKYARD, SAY:** How often does your hauler pick up your garbage? **RECORD UNDER “YOUR GARBAGE.”**

## ATTITUDES

6. Within the next year, the City of Portland and the City's garbage haulers are planning on adding curbside collection of food scraps to its current garbage and recycling system. I am going to read you a series of statements about food scraps composting. All of the statements are true. For each statement please tell me whether it is very useful, somewhat useful, or not especially useful in helping you decide whether or not to participate in the program. **READ AND ROTATE LIST.**

**VERY    SOMEWHAT    NOT    UNSURE**

**ALWAYS ASK "A" FIRST. THEN ROTATE OTHER STATEMENTS**

- a) All food scraps — including fruits and vegetables, meat, dairy, bones, and grains — can be placed, along with yard debris, in the green yard debris cart and picked up weekly ..... 1 ..... 2 ..... 3 ..... 9
- b) Food and food-soiled paper, which will be picked up as part of the program, account for almost 30% of Portland residents' garbage ..... 1 ..... 2 ..... 3 ..... 9
- c) In a landfill, food breaks down and produces methane, a greenhouse gas that causes climate change ..... 1 ..... 2 ..... 3 ..... 9
- d) Food scraps and food-soiled paper will be sent to a commercial composting facility that will turn it into compost for healthy soil ..... 1 ..... 2 ..... 3 ..... 9
- e) The addition of food scraps compost brings Portland in line with the garbage and recycling systems offered by other major West Coast cities such as San Francisco and Seattle ..... 1 ..... 2 ..... 3 ..... 9

7. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement. **RANDOMIZE ORDER.**

**READ EACH STATEMENT. AS APPROPRIATE ASK:** Would you say you agree or disagree with that (**STATEMENT**)?

Do you agree (disagree) somewhat, or strongly with this statement?

<b>Disagree</b>		<b>Agree</b>		
<b>Stg.</b>	<b>SW</b>	<b>SW</b>	<b>Stg.</b>	<b>DK</b>

a. **ASK ONLY IF WEEKLY GARBAGE**

**COLLECTION IN 5A:** Assuming I can compost food scraps, it will be possible for my household to reduce garbage collection from once a week to every two weeks .....

1..... 2..... 3..... 4..... 9

b. The blue recycling cart is large enough that picking up recycling every two weeks is not a problem for my household .....

1..... 2..... 3..... 4..... 9

c. Once the food scraps program begins, I will put food scraps in my green yard debris cart .....

1..... 2..... 3..... 4..... 9

8. Does your household currently compost any food scraps? **RECORD.**

Yes ..... 1

No ..... 2

Don't know..... 9

<b>RE-USABLE BAGS</b>
-----------------------

Now I have just a couple of questions on a different topic.

9. How often, if at all, would you estimate your household uses re-usable bags when shopping for groceries? Would you say re-usable bags are used almost every time, occasionally, or seldom or never when your household shops for groceries?

Almost every time ..... 1

Occasionally ..... 2

Seldom or never ..... 3

**DO NOT READ:** Don't know..... 9

10a. **IF ALMOST EVERY TIME:** Why does your household use re-usable bags almost every time it shops for groceries? **PROBE AND CLARIFY.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10b. **IF OCCASIONALLY:** Why doesn't your household use re-usable bags more often when shopping for groceries? **PROBE AND CLARIFY.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

10c. **IF SELDOM OR NEVER:** Why doesn't your household use re-usable bags when shopping for groceries? **PROBE AND CLARIFY.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Do not own any re-usable bags ..... 98

10d. **IF SAYS "DO NOT OWN ANY RE-USABLE BAGS" IN 10C ASK:** Why don't you own any re-usable bags? **PROBE AND CLARIFY.**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**DEMOGRAPHICS**

Now we have a final, short series of questions to help us categorize your answers.

11. How long have you lived in the City of Portland? **RECORD IN YEARS.**

- \_\_\_\_\_ YEARS
- LESS THAN ONE YEAR** ..... 998
- DO NOT READ:** Don't remember/don't know ..... 999

12. Do you own or rent your home? **RECORD.**

- Own ..... 1
- Rent ..... 2
- Refused ..... 9



13. What is your age, please? **RECORD.**

\_\_\_\_\_ **YEARS**  
Refused ..... 999

14a. How many people, including yourself, live in your household?

\_\_\_\_\_ number of people

14b. **IF MORE THAN 1 PERSON IN HOUSEHOLD:** How many, if any, children aged 3 or under live in your home? **RECORD**

\_\_\_\_\_ **NUMBER OF CHILDREN**  
None..... 98  
**DO NOT READ:** Don't know/refused..... 99

15. What is the last year of education you had the opportunity to complete? **RECORD. READ LIST ONLY IF NECESSARY.**

Less than 12th grade (not a high school graduate) ..... 1  
High school graduate..... 2  
Some college or other post-secondary education ..... 3  
College graduate ..... 4  
Some post-graduate ..... 5  
Master's degree or higher..... 6  
Refused ..... 7

**VERIFY AND RECORD RESPONDENT FIRST AND LAST NAME AND PHONE NUMBER.** Thank you very much for participating in this survey. Your responses will be combined with those of other area residents and will provide valuable input to the City of Portland.



## **Post-Pilot Questionnaire**



**CITY OF PORTLAND BUREAU OF PLANNING AND SUSTAINABILITY  
FOOD SCRAPS POST-PILOT PROJECT SURVEY**

**September 2010  
CDRI 797**

DATE \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_

RESPONDENT NAME \_\_\_\_\_

INTERVIEWER \_\_\_\_\_

<b>REASON FOR TERMINATION</b>	
No answer/busy/disconnect .....	_____
Initial refusal.....	_____
Not in pilot project .....	_____
Qualified but refused .....	_____
Not person most responsible for recycling (Q2).....	_____

**INTRODUCTION**

**(TO RANDOM HOUSEHOLD RESPONDENT:)** Hello, I'm (FIRST AND LAST NAME) from Campbell DeLong Resources. We are conducting a brief study on garbage and recycling for the City of Portland Bureau of Planning and Sustainability. This is strictly research; I am not selling anything. May I please speak with a household member who is 18 years of age or older and is most responsible for your household's garbage and recycling? **IF NOT AVAILABLE, MAKE CALLBACK APPOINTMENT FOR FIRST POSSIBLE TIME.**

**(TO NEW HOUSEHOLD RESPONDENT:)** Hello, I'm (FIRST AND LAST NAME) from Campbell DeLong Resources. We are conducting a brief study on garbage and recycling for the City of Portland Bureau of Planning and Sustainability. This is strictly research; I am not selling anything.

**IF NECESSARY:** The survey typically takes no more than 7 or 8 minutes to complete.

## PILOT AREA SCREENING

First, I have just a few questions to make sure you live in the appropriate neighborhood for this survey.

### IF FROM ALLIED WASTE LIST:

- A. Do you live north or south of the Mountain Park New Seasons store? (**AS NECESSARY:** The Mountain Park New Seasons store is located in the Oswego Towne Square that also includes Columbia Sportswear, Hanna Anderson, and Flying Pie Pizzeria.)

South.....1 **POLITELY DISCONTINUE**  
North.....2 **CONTINUE**  
Don't know .....99 **POLITELY DISCONTINUE**

### IF FROM WASTE MANAGEMENT LIST:

- A. Do you live north or south of Southeast Stark Street?

North ..... 1 **POLITELY DISCONTINUE**  
South..... 2 **CONTINUE**  
Don't know ..... 99 **POLITELY DISCONTINUE**

- A. Do you live north or south of Southeast Mill Street?

North ..... 1 **CONTINUE**  
South..... 2 **POLITELY DISCONTINUE**  
Don't know ..... 99 **POLITELY DISCONTINUE**

- C. Do you live east or west of Southeast 139<sup>th</sup> Avenue?

East..... 1 **CONTINUE**  
West..... 2 **POLITELY DISCONTINUE**  
Don't know ..... 99 **POLITELY DISCONTINUE**

- D. Do you live east or west of Southeast 148<sup>th</sup> Avenue?

East..... 1 **POLITELY DISCONTINUE**  
West..... 2 **CONTINUE**  
Don't know ..... 99 **POLITELY DISCONTINUE**

### IF FROM ARROW SANITARY LIST:

- A. Do you live north or south of Southeast Clinton Street?

North ..... 1 **POLITELY DISCONTINUE**  
South..... 2 **CONTINUE**  
Don't know ..... 99 **POLITELY DISCONTINUE**

- B. Do you live north or south of Southeast Franklin Street?

North ..... 1 **CONTINUE**  
South..... 2 **POLITELY DISCONTINUE**  
Don't know ..... 99 **POLITELY DISCONTINUE**

- C. Do you live east or west of Southeast 33<sup>rd</sup> Avenue?
- |                  |    |                             |
|------------------|----|-----------------------------|
| East .....       | 1  | <b>CONTINUE</b>             |
| West .....       | 2  | <b>POLITELY DISCONTINUE</b> |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |
- D. Do you live east or west of Southeast 39<sup>th</sup> Avenue?
- |                  |    |                             |
|------------------|----|-----------------------------|
| East .....       | 1  | <b>POLITELY DISCONTINUE</b> |
| West .....       | 2  | <b>CONTINUE</b>             |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |

**IF FROM HEIBERG GARBAGE SERVICE LIST:**

- A. Do you live north or south of Sandy Blvd?
- |                  |    |                             |
|------------------|----|-----------------------------|
| North .....      | 1  | <b>POLITELY DISCONTINUE</b> |
| South .....      | 2  | <b>CONTINUE</b>             |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |
- B. Do you live north or south of Rose City Golf Course? **AS NECESSARY:** The Rose City Golf Course is between Northeast Sacramento and Tillamook Streets.
- |                  |    |                             |
|------------------|----|-----------------------------|
| North .....      | 1  | <b>CONTINUE</b>             |
| South .....      | 2  | <b>POLITELY DISCONTINUE</b> |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |
- C. Do you live east or west of Northeast 72<sup>nd</sup> Avenue?
- |                  |    |                             |
|------------------|----|-----------------------------|
| East .....       | 1  | <b>CONTINUE</b>             |
| West .....       | 2  | <b>POLITELY DISCONTINUE</b> |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |
- D. Do you live east or west of Northeast 77<sup>th</sup> Avenue?
- |                  |    |                             |
|------------------|----|-----------------------------|
| East .....       | 1  | <b>POLITELY DISCONTINUE</b> |
| West .....       | 2  | <b>CONTINUE</b>             |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |

**HAULER QUOTA:**

Allied Waste .....	01	<b>QUOTA OF 50</b>
Waste Management .....	02	<b>QUOTA OF 50</b>
Arrow Sanitary .....	03	<b>QUOTA OF 50</b>
Heiberg Garbage Services .....	04	<b>QUOTA OF 50</b>

## ADDITIONAL SCREENING

1. **GENDER. RECORD. DO NOT ASK.**

- Male ..... 1
- Female ..... 2
- Unknown ..... 3

2. First, which of the following best describes your home?

- Single-family residence ..... 1      **CONTINUE**
- Duplex ..... 2      **CONTINUE**
- Townhouse, condominium, or apartment with no more than four units in the complex ..... 3      **CONTINUE**
- Townhouse, condominium, or apartment with five or more units in the complex ..... 4      **POLITELY DISCONTINUE**

3. And just to confirm, are you the person in your household who is most responsible for your household's garbage and recycling, do you share this responsibility, or is this someone else's responsibility?

- Yes, most responsible ..... 1      **CONTINUE**
- Yes, shares with others ..... 2      **CONTINUE**
- No, not responsible ..... 3      **ASK FOR REFERRAL**
- DO NOT READ:** Don't know/unsure ..... 98      **ASK FOR REFERRAL**
- DO NOT READ:** Refused ..... 99      **POLITELY DISCONTINUE**

## SATISFACTION WITH GARBAGE & RECYCLING SYSTEM

4. First, the major elements of Portland's current garbage and recycling system include the blue roll cart for recycling, the green yard debris roll cart, and your garbage container. Overall, how satisfied are you with Portland's current garbage and recycling system? Would you say you are very, somewhat, or not satisfied at all with the current system? **RECORD.**

- Not satisfied ..... 1
- Somewhat satisfied ..... 2
- Very satisfied ..... 3
- Don't know ..... 9



## AWARENESS & USE OF FOOD SCRAPS PROGRAM

5. During the last six months, garbage and recycling customers in several neighborhoods throughout Portland have been part of the food scraps composting pilot project. In addition to adding the capability to compost food scraps, this program triggered several other changes to the garbage and recycling system. Whether or not your household chose to compost food scraps, was your household part of the Portland Composts pilot project? **RECORD.**

Yes, part of Portland Composts project ..... 1  
 No, not part of Portland Composts project..... 2   **SKIP TO Q15**  
 Don't know ..... 9   **SKIP TO Q15**

6. In some pilot project households, how often the blue recycling roll cart can be put out changed from every week to every two weeks. How often is your household allowed to put out your blue recycling roll cart? Can you do this every week or has it been changed to every two weeks? **RECORD.**

Every week ..... 1  
 Every two weeks..... 2  
 Don't know ..... 9

7. Households in the food scraps composting pilot project neighborhoods can put household food scraps in their green yard debris roll cart and this cart is now picked up every week. How often does your household collect food scraps for your green yard debris roll cart? Do you collect household food scraps for the green roll cart . . . **READ LIST IN ORDER.**

On a daily basis ..... 1  
 At least once a week..... 2  
 A few times a month ..... 3  
 Seldom or never ..... 4   **SKIP TO Q9B**  
**DO NOT READ:** Don't know ..... 9   **SKIP TO Q9B**

8. **ASK OF THOSE WHO IN Q7 INDICATE THEY COMPOST FOOD SCRAPS AT LEAST A FEW TIMES A MONTH:** And when your household collects food scraps for the green yard debris roll cart, are these food scraps coming from food preparation, plate scrapings after the meal, or both? **RECORD.**

Food scraps from food preparation..... 1  
 Plate scrapings after meal ..... 2  
 Both ..... 3  
 Refused/don't know ..... 9

9a. **ASK OF THOSE WHO IN Q7 INDICATE THEY COMPOST FOOD SCRAPS AT LEAST A FEW TIMES A MONTH:** Which, if any, of the following types of food scraps do you collect for your green yard debris roll cart? **READ AND RANDOMIZE LIST. MULTIPLES ACCEPTED.**

9b. **ASK ONLY OF THOSE WHO SAY “SELDOM OR NEVER” OR “DON’T KNOW” IN Q7:** Based on your understanding of the food scraps composting program, which, if any, of the following types of food scraps are households now able to put in their green yard debris roll cart? **READ AND RANDOMIZE LIST. MULTIPLES ACCEPTED.**

- Bread, pasta, and other grains .....1
- Dairy .....2
- Food-soiled paper, such as pizza boxes .....3
- Fruits and vegetables .....4
- Meat and poultry .....5
- Seafood, including shell fish .....6
- DO NOT READ:** None of the above .....8
- DO NOT READ:** Don't know/refused .....9

**REACTION TO MATERIALS PROVIDED**

10. Which, if any, of the following did you receive to help you get started with the food scraps composting program? **READ AND RANDOMIZE LIST. MULTIPLES ACCEPTED.**

- Letter from City of Portland & your garbage hauler prior to the start of the program ..... 1
- Refrigerator magnet illustrating what can be composted..... 2
- Brochure and poster explaining the new program ..... 3
- Kitchen pail to use to collect food scraps..... 4 **ASK Q12**
- New collection schedule for your garbage & recycling system ..... 5
- Home visit from City representative ..... 6
- Information left on your garbage container about the program..... 7
- Newspapers, television, or radio..... 8
- Information from your neighborhood association..... 9
- DO NOT READ:** None/Don't recall ..... 99 **SKIP TO Q13**

11. **ASK IF ANY MATERIALS RECALLED IN Q10:** How useful were the materials provided in getting your household started with the food scraps composting program? Were they very useful, somewhat useful, or not useful at all? **RECORD.**

Very useful..... 1

Somewhat useful ..... 2

Not useful..... 3

**DO NOT READ:** Don't know..... 9

12. **ASK IF RECALL KITCHEN PAIL IN Q10. OTHERWISE, SKIP TO Q13:** Which, if any, of the following do you typically use to keep your kitchen pail and/or the green yard debris roll cart clean? **READ AND RANDOMIZE OPTIONS 1-3, THEN ASK "4" IF APPROPRIATE.**

Approved compostable bags.....1

Newspaper or paper bags .....2

Rinsing or washing .....3

**READ ONLY IF OPTIONS 1, 2, OR 3 NOT USED:** None, I don't use anything to clean the pail and/or roll cart .....4

**DO NOT READ:** Other, specific \_\_\_\_\_

**DO NOT READ:** Don't know/refused.....

**ATTITUDES**

13. What, if anything, would you change about the food scraps composting program? **RECORD VERBATIM. PROBE AND CLARIFY.**

---

---

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement. **RANDOMIZE ORDER.**

**READ EACH STATEMENT. AS APPROPRIATE ASK:** Would you say you agree or disagree with that (**STATEMENT**)?

Do you agree (disagree) somewhat, or strongly with this statement?

	Disagree Stg.	SW	SW	Agree Stg.	DK
a. Collecting food scraps results in an unpleasant odor in the kitchen pail and/or the green yard debris roll cart .....	1.....	2.....	3.....	4.....	9
b. Collecting food scraps creates an unsanitary environment where fruit flies and other small insects can breed in the kitchen pail and/or the green yard debris roll cart .....	1.....	2.....	3.....	4.....	9
c. Collecting food scraps and taking them out to the green yard debris roll cart is a new task I simply don't have time for .....	1.....	2.....	3.....	4.....	9
d. The approved compostable bags that can be used to line the kitchen pail are too expensive to use .....	1.....	2.....	3.....	4.....	9
e. It is difficult to keep the green yard debris roll cart clean if I use it for food scraps.....	1.....	2.....	3.....	4.....	9
f. Having garbage pickup every two weeks has been a major problem for our household.....	1.....	2.....	3.....	4.....	9
g. I should be paying less for my garbage and recycling because I feel that I am getting less service.....	1.....	2.....	3.....	4.....	9
h. <b>ASK ONLY IF BI-WEEKLY RECYCLING PICKUP IN Q6:</b> Having recycling pickup every two weeks has been a major problem for our household.....	1.....	2.....	3.....	4.....	9
i. Because I already compost in my backyard, the food scraps composting program does not benefit me .....	1.....	2.....	3.....	4.....	9
j. Collecting food scraps and placing them in my green yard debris roll cart helps me reduce my garbage .....	1.....	2.....	3.....	4.....	9
k. Turning food scraps into compost is a good idea because compost is a valuable fertilizer for healthier gardens and farms....	1.....	2.....	3.....	4.....	9
l. <b>ASK ONLY IF RECALL KITCHEN PAIL IN Q10:</b> The kitchen pail that was provided to my home is useful .....	1.....	2.....	3.....	4.....	9

15. Does your household currently do any **backyard** composting of food scraps? **RECORD.**

- Yes ..... 1
- No ..... 2
- Don't know..... 9

**DEMOGRAPHICS**

Now we have a final, short series of questions to help us categorize your answers.

16. How long have you lived in the City of Portland? **RECORD IN YEARS.**

- \_\_\_\_\_ YEARS
- LESS THAN ONE YEAR** ..... 998
  - DO NOT READ:** Don't remember/don't know ..... 999

17. Do you own or rent your home? **RECORD.**

- Own ..... 1
- Rent ..... 2
- Refused ..... 9

18. What is your age, please? **RECORD.**

- \_\_\_\_\_ YEARS
- Refused ..... 999

19. How many people, including yourself, live in your household?

\_\_\_\_\_ number of people

20. What is the last year of education you had the opportunity to complete? **RECORD. READ LIST ONLY IF NECESSARY.**

- Less than 12th grade (not a high school graduate) ..... 1
- High school graduate..... 2
- Some college or other post-secondary education ..... 3
- College graduate ..... 4
- Some post-graduate ..... 5
- Master's degree or higher..... 6
- Refused ..... 7

**VERIFY AND RECORD RESPONDENT FIRST AND LAST NAME AND PHONE NUMBER.** Thank you very much for participating in this survey. Your responses will be combined with those of other area residents and will provide valuable input to the City of Portland.



## **Post-Pilot Focus Group Screener**





**CITY OF PORTLAND BUREAU OF PLANNING AND SUSTAINABILITY**

**FOOD SCRAPS FOCUS GROUP SCREENER**

**FALL 2010**

**CDRI 797**

DATE \_\_\_\_\_ Group I – Daily users \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_ Group II – Weekly/monthly users \_\_\_\_\_

RESPONDENT NAME \_\_\_\_\_ Group III – Renters \_\_\_\_\_

RESPONDENT ADDRESS \_\_\_\_\_

INTERVIEWER'S INITIALS \_\_\_\_\_

<b>CALL RECORD MATRIX</b>	
Hauler quota .....	_____
Renter quota (Q2) .....	_____
Unaware in pilot project (Q3).....	_____
Over/under quota for group type (Q4).....	_____
Age quota (Q5).....	_____
Occupation (Q6).....	_____
Employment screen (Q7a/7b) .....	_____

**INTRODUCTION**

**(TO RANDOM HOUSEHOLD RESPONDENT:)** Hello, I'm **(FIRST AND LAST NAME)** from Campbell DeLong Resources. We are conducting a brief study for the City of Portland. My I please speak with a household member who is 18 years of age or older and who is most responsible for handling your household's garbage and recycling? **IF NOT AVAILABLE, MAKE CALLBACK APPOINTMENT FOR FIRST POSSIBLE TIME.**

## SCREENING

1. First, I have just a few questions to make sure you live in the appropriate neighborhood for this survey.

### IF FROM ALLIED WASTE LIST:

- A. Do you live north or south of the Mountain Park New Seasons store? (**AS NECESSARY:** The Mountain Park New Seasons store is located in the Oswego Towne Square that also includes Columbia Sportswear, Hanna Anderson, and Flying Pie Pizzeria.)
- |                  |    |                             |
|------------------|----|-----------------------------|
| South.....       | 1  | <b>POLITELY DISCONTINUE</b> |
| North.....       | 2  | <b>CONTINUE</b>             |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |

### IF FROM WASTE MANAGEMENT LIST:

- A. Do you live north or south of Southeast Stark Street?
- |                  |    |                             |
|------------------|----|-----------------------------|
| North .....      | 1  | <b>POLITELY DISCONTINUE</b> |
| South.....       | 2  | <b>CONTINUE</b>             |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |
- B. Do you live north or south of Southeast Mill Street?
- |                  |    |                             |
|------------------|----|-----------------------------|
| North .....      | 1  | <b>CONTINUE</b>             |
| South.....       | 2  | <b>POLITELY DISCONTINUE</b> |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |
- C. Do you live east or west of Southeast 139<sup>th</sup> Avenue?
- |                  |    |                             |
|------------------|----|-----------------------------|
| East.....        | 1  | <b>CONTINUE</b>             |
| West.....        | 2  | <b>POLITELY DISCONTINUE</b> |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |
- D. Do you live east or west of Southeast 148<sup>th</sup> Avenue?
- |                  |    |                             |
|------------------|----|-----------------------------|
| East.....        | 1  | <b>POLITELY DISCONTINUE</b> |
| West.....        | 2  | <b>CONTINUE</b>             |
| Don't know ..... | 99 | <b>POLITELY DISCONTINUE</b> |

**IF FROM ARROW SANITARY LIST:**

- A. Do you live north or south of Southeast Clinton Street?
  - North ..... 1 **POLITELY DISCONTINUE**
  - South..... 2 **CONTINUE**
  - Don't know ..... 99 **POLITELY DISCONTINUE**
  
- B. Do you live north or south of Southeast Franklin Street?
  - North ..... 1 **CONTINUE**
  - South..... 2 **POLITELY DISCONTINUE**
  - Don't know ..... 99 **POLITELY DISCONTINUE**
  
- C. Do you live east or west of Southeast 33<sup>rd</sup> Avenue?
  - East..... 1 **CONTINUE**
  - West..... 2 **POLITELY DISCONTINUE**
  - Don't know ..... 99 **POLITELY DISCONTINUE**
  
- D. Do you live east or west of Southeast 39<sup>th</sup> Avenue?
  - East..... 1 **POLITELY DISCONTINUE**
  - West..... 2 **CONTINUE**
  - Don't know ..... 99 **POLITELY DISCONTINUE**

**IF FROM HEIBERG GARBAGE SERVICE LIST:**

- A. Do you live north or south of Sandy Blvd?
  - North ..... 1 **POLITELY DISCONTINUE**
  - South..... 2 **CONTINUE**
  - Don't know ..... 99 **POLITELY DISCONTINUE**
  
- B. Do you live north or south of Rose City Golf Course? **AS NECESSARY:** The Rose City Golf Course is between Northeast Sacramento and Tillamook Streets.
  - North ..... 1 **CONTINUE**
  - South..... 2 **POLITELY DISCONTINUE**
  - Don't know ..... 99 **POLITELY DISCONTINUE**
  
- C. Do you live east or west of Northeast 72<sup>nd</sup> Avenue?
  - East..... 1 **CONTINUE**
  - West..... 2 **POLITELY DISCONTINUE**
  - Don't know ..... 99 **POLITELY DISCONTINUE**
  
- D. Do you live east or west of Northeast 77<sup>th</sup> Avenue?
  - East..... 1 **POLITELY DISCONTINUE**
  - West..... 2 **CONTINUE**
  - Don't know ..... 99 **POLITELY DISCONTINUE**

**HAULER QUOTA:**

Allied Waste .....	01	<b>MINIMUM OF 2</b>
Waste Management .....	02	<b>MINIMUM OF 2</b>
Arrow Sanitary.....	03	<b>MINIMUM OF 2</b>
Heiberg Garbage Services.....	04	<b>MINIMUM OF 2</b>

2a. First, which of the following best describes your home?

Single-family residence .....	1	<b>CONTINUE</b>
Duplex .....	2	<b>CONTINUE</b>
Townhouse, condominium, or apartment with no more than four units in the complex .....	3	<b>CONTINUE</b>
Townhouse, condominium, or apartment with five or more units in the complex .....	4	<b>POLITELY DISCONTINUE</b>

2b. Do you own or rent your home? **RECORD.**

Own .....	1	<b>QUALIFIES FOR GROUP 1 OR 2</b>
Rent.....	2	<b>QUALIFIES FOR RENTER GROUP 3</b>
Refused .....	9	<b>POLITELY DISCONTINUE</b>

3. During the last six months, garbage and recycling customers in several neighborhoods throughout Portland have been part of the food scraps composting pilot project. Whether or not your household chose to compost food scraps, was your household part of the Portland Composts pilot project? **RECORD.**

Yes, part of Portland Composts project.....	1
No, not part of Portland Composts project.....	2
Don't know .....	9

**FOR OWNER GROUPS, POLITELY DISCONTINUE IF “NO” OR “DON’T KNOW”**

**FOR RENTERS, CONTINUE REGARDLESS OF ANSWER**

- ▶ HOMEOWNERS IN Q2B, ASK Q4
- ▶ RENTERS IN Q2B, ASK Q4 IF “YES” IN Q3
- ▶ RENTERS IN Q2B, DO NOT ASK Q4 IF “NO” IN Q3. SKIP TO Q5

4. Households in the food scraps composting pilot project neighborhoods can put household food scraps in their green yard debris roll cart and this cart is now picked up every week. How often does your household collect food scraps for your green yard debris roll cart? Do you collect household food scraps for the green roll cart . . . **READ LIST IN ORDER.**

- On a daily basis ..... 1 **IF OWNER, QUALIFIES FOR GROUP 1**
- At least once a week..... 2 **IF OWNER, QUALIFIES FOR GROUP 2**
- A few times a month ..... 3 **IF OWNER, QUALIFIES FOR GROUP 2**
- Seldom or never ..... 4 **IF OWNER, POLITELY DISCONTINUE**
- DO NOT READ:** Don't know ..... 9 **IF OWNER, POLITELY DISCONTINUE**

**IF RENTER, CONTINUE REGARDLESS OF ANSWER**

5. What is your age please?

\_\_\_\_\_ Years of age

**MINIMUM OF 2 PER GROUP UNDER THE AGE OF 35**

6. What is your current occupation?

\_\_\_\_\_

**ENSURE A RANGE OF OCCUPATIONS**

7a. Do you work for a public or private organization that provides solid waste disposal or recycling services or for a government agency that regulates solid waste or recycling services?

- Yes ..... 1 **POLITELY DISCONTINUE**
- No ..... 2 **CONTINUE**

7b. Do you, or does anyone in your household, work for a market research company?

- Yes ..... 1 **POLITELY DISCONTINUE**
- No ..... 2 **CONTINUE**

**INVITATION**

As part of the City's evaluation of the pilot project for the food scraps composting program, we will be conducting a focus group with pilot area residents like yourself on (**DATE/TIME FROM ABOVE**). A limited number of people are being invited. You will have the opportunity to share your opinions about the program and the best way to implement it on a city-wide basis. The group will be 90 minutes long and you will receive a \$50 gift card from Fred Meyer for sharing your opinions with us. This is a research project. We are not selling anything. **EXACT ADDRESSES FOR ALL LOCATIONS ON NEXT PAGE.**

Will you please join us?

Yes.....  **CONTINUE**

No.....  **DISCONTINUE POLITELY. ASK FOR REFERRAL**

So that we can mail/email you a confirming letter and map, I need either your name and address (**INCLUDING ZIP**) or an email address. I also need a phone number where you can be reached during the day, and one where you can be reached in the evening.

NAME\_\_\_\_\_

ADDRESS\_\_\_\_\_

\_\_\_\_\_ZIP\_\_\_\_\_

DAY PHONE\_\_\_\_\_

EVENING PHONE\_\_\_\_\_

EMAIL\_\_\_\_\_

Thank you for your assistance. We'll look forward to seeing you on (**DATE, TIME**).

## **Post-Pilot Homeowner Discussion Guide**





# BUREAU OF PLANNING AND SUSTAINABILITY FOOD SCRAPS PILOT PROJECT FOCUS GROUPS

## DISCUSSION GUIDE

797

Fall 2010

### I. INTERVIEWER'S INTRODUCTION — 2 minutes

RESEARCHER INTRODUCES FOCUS GROUP PROCESS, INCLUDING USE OF CAMERA, VIDEOTAPING OF GROUP, NO RIGHT OR WRONG ANSWERS.

### II. PARTICIPANT INTRODUCTIONS — 3 minutes

ATTENDEES INTRODUCE THEMSELVES. EACH PROVIDES THE FOLLOWING INFORMATION (WRITE ON CHART):

- ▶ First name?
- ▶ Where do they live?
- ▶ How long have they lived in Portland/in current home?
- ▶ Job?



#### IV. ATTITUDES TOWARDS FOOD SCRAPS PROGRAM — 15 minutes

- A. Everyone in this group lives in a neighborhood that is part of the City's Food Scraps Composting Pilot Project and based on your responses to our questions, you are collecting food scraps for your green yard debris roll cart at least some of the time. So my question to you is why? Not all of the households in the pilot areas are collecting food scraps for their green roll cart. Why did you decide to participate? **LIST ON CHART.**

**PROBE FOR:**

- ▶ Benefits to household
- ▶ Benefits to community
- ▶ Can be turned into compost
- ▶ Awareness that 30% of garbage is food
- ▶ Ability to reduce amount placed in garbage can/reduce size of garbage can
- ▶ Keeping in line with other West Coast cities
- ▶ Concerns about climate change

- B. What concerns, if any, did you have prior to starting to collect food scraps for the green yard debris roll cart? **LIST ON CHART.**

- ▶ What questions did you have prior to starting? What did you need to know?

- C. The pilot project has been in place now for about four months. Now that you have had some experience with the program, what do you like about it?

- ▶ Would you say that collecting food scraps for the green yard debris roll cart is harder than you thought it would be, about what you expected, or easier than you thought it would be prior to implementation? Why?

- D.** Do you think it has had an impact on how much garbage your household generates? Why? Why not?
- ▶ Recent data collected by haulers suggests that households in the pilot areas are putting out significantly less garbage since the food scraps program began. Overall, the amount of garbage collected in those areas is down 32%. However, based on the amount of food scraps in the green yard debris roller cart, the City is surprised at this number. (Analysis of the food scraps placed in the green roll carts reveals that only about 30% of the food scraps that could be placed in the green roll carts is going into the roll cart. The remainder is still going into the garbage) In addition to putting out food scraps, has your household done anything else to reduce the amount of garbage you put out since the program began? What?
- E.** Now that you have had four months of experience with the program, what concerns, if any, do you have?

**V. CURRENT FOOD SCRAPS BEHAVIOR – 20 minutes**

**A.** Now I would like you to tell me about what your routine is like for collecting food scraps. Let's start by talking about the kitchen pail the City provided. First, how many of you got the kitchen pail? **SHOW PAIL. SHOW OF HANDS.**

- ▶ Do you use the kitchen pail provided by the City? Why? Why not?

**B.** What do you like about the pail?

- ▶ Don't like?

**C.** Do you attempt to keep the kitchen pail clean? Why? Why not? How? How often?

- ▶ Some people have lined the pail with newspaper or a paper bag to keep it clean. Have you tried that? Why? Why not?
- ▶ Another option to help keep the pail clean is the use of approved compostable bags to use to line your kitchen pail. Did you use them? Why? Why not?

**D.** How would you change about the pail?

**PROBE FOR:**

- ▶ Color preferences?
- ▶ Size preferences?
- ▶ Is it a good idea to put a sticker on it showing what goes in the pail?
- ▶ Lid preferences? Does it need to latch easily? Does it need to stand up?
- ▶ Shape of pail? Does it matter if the pail is oval so that it is easier to scrape food into?

**E.** Now I am going to show you some examples of kitchen pails. **SHOW FOUR EXAMPLES DEMONSTRATING THE OPENING AND CLOSING OF EACH.**

- ▶ Which of these do you prefer? **HAND VOTE.**
- ▶ **FOR EACH:** Why do you prefer this one? What do you like about it? What don't you like about it?

- F.** The City provided one of the kitchen pails to all households in the pilot area. When the program is rolled out city-wide, should the City be providing a kitchen pail to all households? Why? Why not?

**PROBE IF NOT MENTIONED:** Some of the options other than delivering a pail to every household would be:

- ▶ Each household responsible for their own “pail” or other kitchen collection container.
- ▶ Households can pick up a pail at easy accessible locations in their neighborhoods. For example a library or community center.
- ▶ After pail delivery, households who have their own container can set the City-provided pail out for pickup and it will be given to another customer.

Which do you think would be most appropriate? Why?

- G.** Which meals do you collect food scraps from? Why these meals?

- ▶ Are there meals that you frequently skip? Why these meals?
- ▶ **IF NECESSARY:** Do you collect food scraps from snacks? Why? Why not?
- ▶ What happens when food goes bad? Do you put that in the garbage or compost it with the other food scraps? Why? Why not?

- H.** How often do you take the kitchen pail out to the green yard debris roll cart?

- ▶ What do you like about using the green yard debris roll cart for food scraps?
- ▶ What don't you like?
- ▶ Do you attempt to keep the green yard debris roll cart clean? Why? Why not?
  - How to clean it? How often do you clean it?
- ▶ Some people have used newspaper in the yard debris roll cart to keep it cleaner. Have you tried that? Why? Why not?

- I. **BRING IN GREEN YARD DEBRIS CART.** Here's one of the green yard debris roll carts. Some people have said that the green yard debris roll cart is too big to use for food scraps. How many of you think the green yard debris roll cart is too big for this purpose? **SHOW OF HANDS. FOR THOSE WHO THINK IT IS TOO BIG:** Why do you think it is too big? How big should it be?
- ▶ Now I have going to show you an example of an alternative size. **BRING IN 30 GALLON SIZE.** It is about half the size of the green yard debris cart. Is this a better size? Why? Why not? Remember, this is for both your yard debris and your food scraps.
  - ▶ Okay, here's one more option. **BRING IN 20 GALLON SIZE.** Is this a better size? Why? Why not? Remember, this is for both your yard debris and your food scraps.
- J. Before the City started collecting food scraps, did you do any backyard composting of food? **SHOW OF HANDS.**
- ▶ **ASK OF THOSE WHO COMPOSTED PRIOR TO PROGRAM:** Do you do any now? Why? Why not? How, if at all, has your approach to backyard composting changed?
- K. Now I want to get an idea of the types of food you are collecting. **HAND OUT.** This is a list of the foods that you can currently put in the green yard debris roll cart. Just quickly go down the list and let me know which ones your household is currently putting in the green yard debris roll cart.
- ▶ First, is there any type of food that you are surprised to see on the list, that you didn't know could go in the green roll cart? Which ones? **LIST ON CHART.**
    - Why didn't you think this would be accepted for composting?
  - ▶ Okay, let's go through each of these. How many of you do this on a regular basis? Occasionally? Don't collect? **WRITE RESPONSES ON CHART.**
  - ▶ **FOR EACH FOOD ASK:**
    - **IF REGULAR:** Why do you collect this one on a regular basis? Is there something about it that makes collecting it for the green yard debris roll cart particularly easy?
    - **IF COLLECTED OCCASIONALLY:** Why don't you collect this type of food on a regular basis?
    - **IF DON'T COLLECT:** Why not?
  - ▶ Are there any other types of food or other items that you thought you should be on this list that aren't? What is it?
  - ▶ Are there any other types of food or other items that you **are** putting in the green yard debris roll cart that you do not see on this list — food or other items that you assumed you would be able to put in the green yard debris roll cart but now that we have reviewed the list, you think maybe you should not be putting in it? What is it?

- L. One of the items that some people have had questions about are the compostable containers, cups, and utensils that some delis and fast food restaurants are now using. Do you know whether or not you can put these items in the green yard debris roll cart?
  - ▶ Actually, the compostable containers, cups and utensils should not be put in the green yard debris roll cart. What's your reaction to that information?
  
- M. What, if anything, need to happen so that you would increase the amount of food that you collect for the green yard debris roll cart?
  - ▶ Specifically what do you think the City could do so that you increased the amount of food scraps you are now collecting for the green yard debris roll cart?



## V. IDEAL SYSTEM – 20 minutes

- A. You are all residents of the pilot food scraps composting areas. In the next year, the City hopes to roll this program out City-wide. Based on your experience, what I want to do now is design the perfect garbage and recycling system for the City of Portland. What would the perfect system be like? **WRITE ON CHART.**

### PROBE FOR/AS NEEDED ASK:

- ▶ Frequency of garbage pickup. When the food scraps program was implemented in your neighborhood, the frequency of your garbage service was reduced from once a week to once every two weeks. Now that you have had 4 months of experience, is that acceptable? Why? Why not?
    - **IF NOT ACCEPTABLE:** Is there anything that the City or your hauler could do to make the every two week garbage service more acceptable to your household? **PLEASE DESCRIBE.** Would a larger garbage container help? Why? Why not?
    - **IF NOT ACCEPTABLE:** How much more are you willing to pay to have weekly garbage service? How many would pay an extra \$2 a month or \$4 every two months to have weekly garbage pickup? **SHOW OF HANDS.** What about \$4 a month or \$8 every two months? What about \$8 a month or \$16 every two months? What about \$10 a month or \$20 every two months? **CONTINUE UNTIL NOW HANDS UP.**
  - ▶ Frequency of recycling pickup. When the food scraps program was implemented, some people had their blue recycling roll cart picked up every week, others every two weeks. Is every two weeks acceptable? Why? Why not?
    - **IF NOT ACCEPTABLE:** Is there anything that the City or your hauler could do to make the every two week recycling service more acceptable to your household? **PLEASE DESCRIBE.**
    - **IF NOT ACCEPTABLE:** The main reason to go to recycling every two weeks is to keep garbage and recycling rates as low as possible. What if going to every two week recycling pickup reduced your garbage and recycling rates by \$5 a month or \$10 every two months. How many of you would be willing to go to every two week recycling if your garbage and recycling bill was reduced by \$5 per month or \$10 every two months? **SHOW OF HANDS.** What if it reduced your bill by \$4 a month or \$8 every two months? \$3/\$6? \$2/\$4? \$1/\$2? **CONTINUE UNTIL NOW HANDS DOWN.**
  - ▶ Are there any changes you would make specifically to the design of the kitchen pail?
  - ▶ What about the size/design of the green yard debris roll cart?
- B. What advice would you give other residents on how best to implement the program in their household?
- ▶ What do you think people need to be told in order to motivate them to collect food scraps for the green yard debris roll cart? **WRITE ON CHART.**

## VI. MESSAGING/MATERIALS RECALL — 20 minutes

- A. What information do you remember getting from the City or your hauler to help you get started with collecting food scraps for the green yard debris roll cart? **LIST ON CHART.**
- ▶ Which of these would you say was most useful? Why?

- B. Now I am going to show you several information pieces that I understand were sent to households in the pilot areas to help them get started with the food scraps composting.

### SHOW:

- ▶ Letter from city & hauler (different weekly & bi-weekly recycling)
- ▶ Refrigerator magnet
- ▶ Brochures/poster on program
- ▶ Sticker
- ▶ New schedule (different weekly & bi-weekly recycling)
- ▶ Door hanger

### FOR EACH PIECE, MODERATOR SHOWS ONE PIECE, GIVE SEVERAL PIECES TO PARTICIPANTS FOR THEIR REVIEW. ASK:

- ▶ How many of you remember receiving this information piece? **SHOW OF HANDS.**
- ▶ When did you receive it?
- ▶ Did you read this piece? Why? Why not?
- ▶ How helpful was this piece in enabling you to get started with the new system? Was it very, somewhat, or not helpful at all?
- ▶ What did you do with this piece? Toss it? Recycle it? Post it? **IF POST:** Where?
- ▶ What's the key message you got from this information piece?

- C. Did anyone come to your door to provide you with information about the recycling system changes? **SHOW OF HANDS.**

- ▶ What information did they provide to you?
- ▶ How helpful were these visits/this information in enabling you to understand the new food scraps composting and the changes to the garbage and recycling system? Were they very, somewhat, or not helpful at all? Were the people who visited your home able to answer any questions you had?
- ▶ What questions, if any, did you ask this person about the changes to the system?
- ▶ Were the people who came to your door able to answer the questions?

D. At any point during the last four months have you needed to get additional information about the food scraps composting program?

- ▶ What did you need to know?
- ▶ Where did you go for the information? Why this source?

**PROBE FOR SEEKING ADDITIONAL INFORMATION FROM:**

- ▶ Hauler
- ▶ City
- ▶ Mayor's office
- ▶ Talk to neighbors
- ▶ City website
- ▶ Hauler website
- ▶ Email City or hauler
- ▶ Check online schedule

Was it a good experience? Bad experience? Why?

- ▶ Did you get the information you needed from this source? **IF NOT:** What did you do next? Were you ever able to get the information?

**VII. CLOSE — 5 minutes**

**A.** Now I have just one last question. What is the *one most important thing* that the City of Portland needs to keep in mind as they implement the food scraps composting program city-wide?

**B.** Thank you all for coming. Before you go I want to mention just a few things:

- ▶ Importance of participation
- ▶ Contribution
- ▶ Confidentiality
- ▶ Gift

*Total time: 90 minutes*

## **Post-Pilot Renter Discussion Guide**



# BUREAU OF PLANNING AND SUSTAINABILITY FOOD SCRAPS PILOT PROJECT FOCUS GROUPS

## DISCUSSION GUIDE

### RENTERS

797

Fall 2010

#### I. INTERVIEWER'S INTRODUCTION — 2 minutes

RESEARCHER INTRODUCES FOCUS GROUP PROCESS, INCLUDING USE OF CAMERA, VIDEOTAPING OF GROUP, NO RIGHT OR WRONG ANSWERS.

#### II. PARTICIPANT INTRODUCTIONS — 3 minutes

ATTENDEES INTRODUCE THEMSELVES. EACH PROVIDES THE FOLLOWING INFORMATION (WRITE ON CHART):

- ▶ First name?
- ▶ Where do they live?
- ▶ Renter or own home?
- ▶ How long have they lived in Portland/in current home?
- ▶ Job?
- ▶ Collecting food scraps for green yard debris roll cart? **IF YES:** How often?

**III. ATTITUDES TOWARDS GARBAGE AND RECYCLING — 5 minutes**

- A.** We are going to be talking tonight about Portland's garbage and recycling system. First, what do you like about how the system currently works? **LIST ON CHART.**
  
- B.** What don't you like? **LIST ON CHART.**
  
- C.** Everyone in this group rents their home. Who pays the garbage and recycling bill? Do you pay it or does your landlord?



#### IV. ATTITUDES TOWARDS FOOD SCRAPS PROGRAM — 15 minutes

- A. Everyone in this group lives in a neighborhood that is part of the City's Food Scraps Composting Pilot Project. Some of you indicated in your introduction that you collect food scraps for composting in the green yard debris roll cart and other say they are not.

Let's start with a simple question of why? Regardless if you are collecting food scraps for the green yard debris roll cart, why should people collect food scraps for composting in the green yard debris roll cart? Those of you who are collecting food scraps for the program, what has motivated you to do so? **LIST ON CHART.**

##### **PROBE FOR:**

- ▶ Benefits to household
- ▶ Benefits to community
- ▶ Can be turned into compost
- ▶ Awareness that 30% of garbage is food
- ▶ Ability to reduce amount placed in garbage can/reduce size of garbage can
- ▶ Keeping in line with other West Coast cities
- ▶ Concerns about climate change

- B. Those of you are aren't participating why? Why aren't you participating in the program?

- ▶ **PROBE FOR WHETHER OR NOT THEY RECEIVED INFORMATION ABOUT THE PROGRAM.**

- C. What concerns, if any, did you have prior to starting to collect food scraps for the green yard debris roll cart?

- ▶ Those of you who are not participating, what concerns do you have? **LIST ON CHART.**
- ▶ What questions did you have prior to starting? What did you need to know?

- D. The pilot project has been in place now for about four months. Now that you have had some experience with the program, what do you like about it?

- ▶ Would you say that collecting food scraps for the green yard debris roll cart is harder than you thought it would be, about what you expected, or easier than you thought it would be prior to implementation? Why?

- E.** Do you think it has had an impact on how much garbage your household generates? Why? Why not?
- ▶ Recent data collected by haulers suggests that households in the pilot areas are putting out significantly less garbage since the food scraps program began. Overall, the amount of garbage collected in those areas is down 32%. However, based on the amount of food scraps in the green yard debris roller cart, the City is surprised at this number. (Analysis of the food scraps placed in the green roll carts reveals that only about 30% of the food scraps that could be placed in the green roll carts is going into the roll cart. The remainder is still going into the garbage) In addition to putting out food scraps, has your household done anything else to reduce the amount of garbage you put out since the program began? What?
- F.** Now that you have had four months of experience with the program, what concerns, if any, do you have?

**V. CURRENT FOOD SCRAPS BEHAVIOR – 20 minutes**

**A.** For those of you who are participating, I want to take just a few minutes to talk about what your routine is like for collecting food scraps. Let's start by talking about the kitchen pail the City provided. First, how many of you got the kitchen pail? **SHOW PAIL. SHOW OF HANDS.**

- ▶ Do you use the kitchen pail provided by the City? Why? Why not?

**B.** What do you like about the pail?

- ▶ Don't like?

**C.** Do you attempt to keep the kitchen pail clean? Why? Why not? How? How often?

- ▶ Some people have lined the pail with newspaper or a paper bag to keep it clean. Have you tried that? Why? Why not?
- ▶ Another option to help keep the pail clean is the use of approved compostable bags to use to line your kitchen pail. Did you use them? Why? Why not?

**D.** How would you change about the pail?

**PROBE FOR:**

- ▶ Color preferences?
- ▶ Size preferences?
- ▶ Lid preferences? Does it need to latch easily? Does it need to stand up?
- ▶ Shape of pail? Does it matter if the pail is oval so that it is easier to scrape food into?

**E.** Now I am going to show you some examples of kitchen pails. **SHOW FOUR EXAMPLES DEMONSTRATING THE OPENING AND CLOSING OF EACH.**

- ▶ Which of these do you prefer? **HAND VOTE.**
- ▶ **FOR EACH:** Why do you prefer this one? What do you like about it? What don't you like about it?

- F.** The City provided one of the kitchen pails to all households in the pilot area. When the program is rolled out city-wide, should the City be providing a kitchen pail to all households? Why? Why not?

**PROBE IF NOT MENTIONED:** Some of the options other than delivering a pail to every household would be:

- ▶ Each household responsible for their own “pail” or other kitchen collection container.
- ▶ Households can pick up a pail at easy accessible locations in their neighborhoods. For example a library or community center.
- ▶ After pail delivery, households who have their own container can set the City-provided pail out for pickup and it will be given to another customer.

Which do you think would be most appropriate? Why?

- G.** Which meals do you collect food scraps from? Why these meals?

- ▶ Are there meals that you frequently skip? Why these meals?
- ▶ **IF NECESSARY:** Do you collect food scraps from snacks? Why? Why not?
- ▶ What happens when food goes bad? Do you put that in the garbage or compost it with the other food scraps? Why? Why not?

- H.** How often do you take the kitchen pail out to the green yard debris roll cart?

- ▶ What do you like about using the green yard debris roll cart for food scraps?
- ▶ What don't you like?
- ▶ Do you attempt to keep the green yard debris roll cart clean? Why? Why not?
  - How to clean it? How often do you clean it?
- ▶ Some people have used newspaper in the yard debris roll cart to keep it cleaner. Have you tried that? Why? Why not?

- I. **BRING IN GREEN YARD DEBRIS CART.** Here's one of the green yard debris roll carts. Some people have said that the green yard debris roll cart is too big to use for food scraps. How many of you think the green yard debris roll cart is too big for this purpose? **SHOW OF HANDS. FOR THOSE WHO THINK IT IS TOO BIG:** Why do you think it is too big? How big should it be?
- ▶ Now I have going to show you an example of an alternative size. **BRING IN 30 GALLON SIZE.** It is about half the size of the green yard debris cart. Is this a better size? Why? Why not? Remember, this is for both your yard debris and your food scraps.
  - ▶ Okay, here's one more option. **BRING IN 20 GALLON SIZE.** Is this a better size? Why? Why not? Remember, this is for both your yard debris and your food scraps.
- J. Before the City started collecting food scraps, did you do any backyard composting of food? **SHOW OF HANDS.**
- ▶ **ASK OF THOSE WHO COMPOSTED PRIOR TO PROGRAM:** Do you do any now? Why? Why not? How, if at all, has your approach to backyard composting changed?
- K. Now I want to get an idea of the types of food you are collecting. **HAND OUT.** This is a list of the foods that you can currently put in the green yard debris roll cart. Just quickly go down the list and let me know which ones your household is currently putting in the green yard debris roll cart.
- ▶ First, is there any type of food that you are surprised to see on the list, that you didn't know could go in the green roll cart? Which ones? **LIST ON CHART.**
    - Why didn't you think this would be accepted for composting?
  - ▶ Okay, let's go through each of these. How many of you do this on a regular basis? Occasionally? Don't collect? **WRITE RESPONSES ON CHART.**
  - ▶ **FOR EACH FOOD ASK:**
    - **IF REGULAR:** Why do you collect this one on a regular basis? Is there something about it that makes collecting it for the green yard debris roll cart particularly easy?
    - **IF COLLECTED OCCASIONALLY:** Why don't you collect this type of food on a regular basis?
    - **IF DON'T COLLECT:** Why not?
  - ▶ Are there any other types of food or other items that you thought you should be on this list that aren't? What is it?
  - ▶ Are there any other types of food or other items that you **are** putting in the green yard debris roll cart that you do not see on this list — food or other items that you assumed you would be able to put in the green yard debris roll cart but now that we have reviewed the list, you think maybe you should not be putting in it? What is it?

- L. One of the items that some people have had questions about are the compostable containers, cups, and utensils that some delis and fast food restaurants are now using. Do you know whether or not you can put these items in the green yard debris roll cart?
  - ▶ Actually, the compostable containers, cups and utensils should not be put in the green yard debris roll cart. What's your reaction to that information?
  
- M. For those of you who are participating in the program, what, if anything, need to happen so that you would increase the amount of food that you collect for the green yard debris roll cart?
  - ▶ For those of you who aren't participating, what needs to happen so that you would begin to collect food scraps for the green yard debris roll cart?
  - ▶ Specifically what do you think the City could do so that you increased the amount of food scraps you are now collecting for the green yard debris roll cart?

## V. IDEAL SYSTEM – 20 minutes

- A. You are all residents of the pilot food scraps composting areas. In the next year, the City hopes to roll this program out City-wide. Based on your experience, what I want to do now is design the perfect garbage and recycling system for the City of Portland. What would the perfect system be like? **WRITE ON CHART.**

### PROBE FOR/AS NEEDED ASK:

- ▶ Frequency of garbage pickup. When the food scraps program was implemented in your neighborhood, the frequency of your garbage service was reduced from once a week to once every two weeks. Now that you have had 4 months of experience, is that acceptable? Why? Why not?
  - **IF NOT ACCEPTABLE:** Is there anything that the City or your hauler could do to make the every two week garbage service more acceptable to your household? **PLEASE DESCRIBE.** Would a larger garbage container help? Why? Why not?
  - **IF NOT ACCEPTABLE:**How much more are you willing to pay to have weekly garbage service? Even if you don't pay your own garbage and recycling bill, I am sure that your landlord includes that cost when they are figuring what your rent should be.
  - **IF NOT ACCEPTABLE:**How many would pay an extra \$2 a month or \$4 every two months to have weekly garbage pickup — either on the garbage and recycling bill you received or as an increase to your rent? **SHOW OF HANDS.** What about \$4 a month or \$8 every two months? What about \$8 a month or \$16 every two months? What about \$10 a month or \$20 every two months? **CONTINUE UNTIL NOW HANDS UP.**
- ▶ Frequency of recycling pickup. When the food scraps program was implemented, some people had their blue recycling roll cart picked up every week, others every two weeks. Is every two weeks acceptable? Why? Why not?
  - **IF NOT ACCEPTABLE:** Is there anything that the City or your hauler could do to make the every two week recycling service more acceptable to your household? **PLEASE DESCRIBE.**
  - **IF NOT ACCEPTABLE:** The main reason to go to recycling every two weeks is to keep garbage and recycling rates as low as possible. What if going to every two week recycling pickup reduced your garbage and recycling rates by \$5 a month or \$10 every two months. How many of you would be willing to go to every two week recycling if your garbage and recycling bill was reduced by \$5 per month or \$10 every two months? **SHOW OF HANDS.** What if it reduced your bill by \$4 a month or \$8 every two months? \$3/\$6? \$2/\$4? \$1/\$2? **CONTINUE UNTIL NOW HANDS DOWN.**
- ▶ Are there any changes you would make specifically to the design of the kitchen pail?
- ▶ What about the size/design of the green yard debris roll cart?

- B.** What advice would you give other residents on how best to implement the program in their household?
- ▶ What do you think people need to be told in order to motivate them to collect food scraps for the green yard debris roll cart? **WRITE ON CHART.**



## VI. MESSAGING/MATERIALS RECALL — 20 minutes

- A. What information do you remember getting from the City or your hauler to help you get started with collecting food scraps for the green yard debris roll cart? **LIST ON CHART.**
- ▶ Which of these would you say was most useful? Why?

- B. Now I am going to show you several information pieces that I understand were sent to households in the pilot areas to help them get started with the food scraps composting.

### SHOW:

- ▶ Letter from city & hauler (different weekly & bi-weekly recycling)
- ▶ Refrigerator magnet
- ▶ Brochures/poster on program
- ▶ Sticker
- ▶ New schedule (different weekly & bi-weekly recycling)
- ▶ Door hanger

### FOR EACH PIECE, MODERATOR SHOWS ONE PIECE, GIVE SEVERAL PIECES TO PARTICIPANTS FOR THEIR REVIEW. ASK:

- ▶ How many of you remember receiving this information piece? **SHOW OF HANDS.**
  - ▶ When did you receive it?
  - ▶ Did you read this piece? Why? Why not?
  - ▶ How helpful was this piece in enabling you to get started with the new system? Was it very, somewhat, or not helpful at all?
  - ▶ What did you do with this piece? Toss it? Recycle it? Post it? **IF POST:** Where?
  - ▶ What's the key message you got from this information piece?
- C. Did anyone come to your door to provide you with information about the recycling system changes? **SHOW OF HANDS.**
- ▶ What information did they provide to you?
  - ▶ How helpful were these visits/this information in enabling you to understand the new food scraps composting and the changes to the garbage and recycling system? Were they very, somewhat, or not helpful at all? Were the people who visited your home able to answer any questions you had?
  - ▶ What questions, if any, did you ask this person about the changes to the system?
  - ▶ Were the people who came to your door able to answer the questions?

D. At any point during the last four months have you needed to get additional information about the food scraps composting program?

- ▶ What did you need to know?
- ▶ Where did you go for the information? Why this source?

**PROBE FOR SEEKING ADDITIONAL INFORMATION FROM:**

- ▶ Hauler
- ▶ City
- ▶ Mayor's office
- ▶ Talk to neighbors
- ▶ City website
- ▶ Hauler website
- ▶ Email City or hauler
- ▶ Check online schedule

Was it a good experience? Bad experience? Why?

- ▶ Did you get the information you needed from this source? **IF NOT:** What did you do next? Were you ever able to get the information?

**VII. CLOSE — 5 minutes**

**A.** Now I have just one last question. What is the *one most important thing* that the City of Portland needs to keep in mind as they implement the food scraps composting program city-wide?

**B.** Thank you all for coming. Before you go I want to mention just a few things:

- ▶ Importance of participation
- ▶ Contribution
- ▶ Confidentiality
- ▶ Gift

*Total time: 90 minutes*



## **Pre-Pilot Data Printout**



# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## Gender

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Male	75 38%	14 28%	18 36%	23 46%	20 40%	22 33%	52 40%	13 37%	33 43%	23 32%	3 25%	6 30%	27 40%	44 35%	34 37%	39 37%	75 100%	0 0%	29 30%	46 44%	8 47%	32 38%	32 36%
Female	125 63%	36 72%	32 64%	27 54%	30 60%	45 67%	77 60%	22 63%	43 57%	48 68%	9 75%	14 70%	40 60%	82 65%	58 63%	66 63%	0 0%	125 100%	67 70%	58 56%	9 53%	52 62%	57 64%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## Sample

	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age			
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Southwest	50 25%	50 100%	0 0%	0 0%	0 0%	16 24%	33 26%	6 17%	20 26%	17 24%	6 50%	3 15%	9 13%	40 32%	23 25%	27 26%	14 19%	36 29%	25 26%	25 24%	0 0%	24 29%	23 26%
Outer SE	50 25%	0 0%	50 100%	0 0%	0 0%	22 33%	27 21%	13 37%	16 21%	17 24%	2 17%	4 20%	27 40%	20 16%	15 16%	34 32%	18 24%	32 26%	23 24%	27 26%	5 29%	16 19%	26 29%
Inner SE	50 25%	0 0%	0 0%	50 100%	0 0%	13 19%	36 28%	4 11%	24 32%	17 24%	3 25%	7 35%	14 21%	34 27%	26 28%	23 22%	23 31%	27 22%	25 26%	25 24%	4 24%	25 30%	19 21%
Central NE	50 25%	0 0%	0 0%	0 0%	50 100%	16 24%	33 26%	12 34%	16 21%	20 28%	1 8%	6 30%	17 25%	32 25%	28 30%	21 20%	20 27%	30 24%	23 24%	27 26%	8 47%	19 23%	21 24%



# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 2. First, which of the following best describes your home?

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Single-family	198 99%	50 100%	49 98%	49 98%	50 100%	67 100%	127 98%	35 100%	75 99%	70 99%	12 100%	20 100%	66 99%	125 99%	90 98%	105 100%	74 99%	124 99%	95 99%	103 99%	17 100%	83 99%	88 99%
Duplex	2 1%	0 0%	1 2%	1 2%	0 0%	0 0%	2 2%	0 0%	1 1%	1 1%	0 0%	0 0%	1 1%	1 1%	2 2%	0 0%	1 1%	1 1%	1 1%	1 1%	0 0%	1 1%	1 1%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

### 3. And just to confirm, are you the person in your household who is most responsible for your household's garbage and recycling, do you share this responsibility, or is this someone else's responsibility?

	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age			
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Yes, most responsible	139 70%	36 72%	35 70%	34 68%	34 68%	50 75%	87 67%	34 97%	50 66%	43 61%	7 58%	14 70%	43 64%	91 72%	58 63%	79 75%	59 79%	80 64%	63 66%	76 73%	9 53%	59 70%	64 72%
Yes, shares with others	61 31%	14 28%	15 30%	16 32%	16 32%	17 25%	42 33%	1 3%	26 34%	28 39%	5 42%	6 30%	24 36%	35 28%	34 37%	26 25%	16 21%	45 36%	33 34%	28 27%	8 47%	25 30%	25 28%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

**4. First, the major elements of Portland’s current garbage and recycling system include the blue roll cart for recycling, the green yard debris roll cart, and your garbage container. Overall, how satisfied are you with Portland’s current garbage and recycling system? Would you say you are very, somewhat, or not satisfied at all with the current system?**

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55+
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Not satisfied	6 3%	2 4%	1 2%	1 2%	2 4%	6 9%	0 0%	0 0%	4 5%	1 1%	0 0%	0 0%	4 6%	1 1%	3 3%	3 3%	4 5%	2 2%	4 4%	2 2%	0 0%	4 5%	1 1%
Somewhat satisfied	61 31%	14 28%	21 42%	12 24%	14 28%	61 91%	0 0%	13 37%	18 24%	22 31%	6 50%	9 45%	18 27%	40 32%	30 33%	30 29%	18 24%	43 34%	32 33%	29 28%	4 24%	28 33%	24 27%
Very satisfied	129 65%	33 66%	27 54%	36 72%	33 66%	0 0%	129 100%	22 63%	52 68%	47 66%	6 50%	11 55%	42 63%	84 67%	58 63%	69 66%	52 69%	77 62%	59 61%	70 67%	13 76%	51 61%	61 69%
Don't know	4 2%	1 2%	1 2%	1 2%	1 2%	0 0%	0 0%	0 0%	2 3%	1 1%	0 0%	0 0%	3 4%	1 1%	1 1%	3 3%	1 1%	3 2%	1 1%	3 3%	0 0%	1 1%	3 3%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

**5a. Now, how often, if at all, does your household currently set out the blue roll cart at the curb? Do you set it weekly, every two weeks, once a month, or less than once a month?**

	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age			
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Weekly	115 58%	36 72%	26 52%	28 56%	25 50%	43 64%	71 55%	7 20%	37 49%	59 83%	10 83%	18 90%	29 43%	82 65%	64 70%	50 48%	40 53%	75 60%	52 54%	63 61%	14 82%	65 77%	30 34%
Every 2 weeks	56 28%	9 18%	13 26%	14 28%	20 40%	15 22%	40 31%	13 37%	30 39%	11 15%	2 17%	2 10%	27 40%	29 23%	24 26%	32 30%	22 29%	34 27%	28 29%	28 27%	3 18%	16 19%	37 42%
Monthly	17 9%	2 4%	7 14%	4 8%	4 8%	7 10%	10 8%	11 31%	3 4%	1 1%	0 0%	0 0%	6 9%	9 7%	3 3%	13 12%	8 11%	9 7%	10 10%	7 7%	0 0%	1 1%	14 16%
Less than 1 per month	11 6%	3 6%	3 6%	4 8%	1 2%	2 3%	8 6%	4 11%	6 8%	0 0%	0 0%	0 0%	4 6%	6 5%	1 1%	9 9%	5 7%	6 5%	6 6%	5 5%	0 0%	2 2%	7 8%
Don't know	1 1%	0 0%	1 2%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%	1 1%	0 0%	0 0%	1 1%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

**5b. Now, how often, if at all, does your household currently set out the green yard debris cart at the curb? Do you set it weekly, every two weeks, once a month, or less than once a month?**

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Weekly	12 6%	4 8%	5 10%	2 4%	1 2%	6 9%	6 5%	3 9%	4 5%	5 7%	0 0%	2 10%	4 6%	8 6%	6 7%	6 6%	3 4%	9 7%	3 3%	9 9%	0 0%	3 4%	8 9%
Every 2 weeks	117 59%	31 62%	29 58%	28 56%	29 58%	41 61%	75 58%	18 51%	52 68%	39 55%	5 42%	9 45%	39 58%	74 59%	55 60%	60 57%	42 56%	75 60%	60 63%	57 55%	11 65%	50 60%	50 56%
Monthly	43 22%	6 12%	12 24%	11 22%	14 28%	12 18%	30 23%	9 26%	10 13%	18 25%	4 33%	7 35%	15 22%	26 21%	19 21%	23 22%	18 24%	25 20%	21 22%	22 21%	3 18%	23 27%	15 17%
Less than 1 per month	23 12%	7 14%	3 6%	8 16%	5 10%	6 9%	16 12%	4 11%	9 12%	8 11%	2 17%	2 10%	7 10%	15 12%	10 11%	13 12%	10 13%	13 10%	11 11%	12 12%	2 12%	6 7%	15 17%
Never	3 2%	2 4%	0 0%	1 2%	0 0%	1 1%	2 2%	0 0%	1 1%	1 1%	1 8%	0 0%	0 0%	3 2%	2 2%	1 1%	2 3%	1 1%	1 1%	2 2%	1 6%	2 2%	0 0%
Don't know	2 1%	0 0%	1 2%	0 0%	1 2%	1 1%	0 0%	1 3%	0 0%	0 0%	0 0%	0 0%	2 3%	0 0%	0 0%	2 2%	0 0%	2 2%	0 0%	2 2%	0 0%	0 0%	1 1%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

**5c. Now, how often, if at all, does your household currently set out a container with glass only at the curb? Do you set it weekly, every two weeks, once a month, or less than once a month?**

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Weekly	59 30%	13 26%	9 18%	19 38%	18 36%	21 31%	38 29%	2	22 29%	32 45%	3 25%	9 45%	16 24%	43 34%	37 40%	22 21%	20 27%	39 31%	29 30%	30 29%	10 59%	34 40%	14 16%
Every 2 weeks	32 16%	14 28%	1 2%	9 18%	8 16%	8 12%	24 19%	2	16 21%	10 14%	3 25%	4 20%	11 16%	20 16%	18 20%	13 12%	12 16%	20 16%	18 19%	14 13%	4 24%	16 19%	10 11%
Monthly	49 25%	11 22%	14 28%	12 24%	12 24%	20 30%	28 22%	12	16 21%	15 21%	4 33%	3 15%	18 27%	29 23%	19 21%	29 28%	22 29%	27 22%	26 27%	23 22%	2 12%	18 21%	27 30%
Less than 1 per month	52 26%	10 20%	22 44%	8 16%	12 24%	15 22%	35 27%	17	19 25%	11 15%	2 17%	3 15%	19 28%	30 24%	15 16%	36 34%	16 21%	36 29%	22 23%	30 29%	1 6%	12 14%	34 38%
Never	7 4%	1 2%	4 8%	2 4%	0 0%	3 4%	4 3%	2	3 4%	2 3%	0 0%	1 5%	3 4%	3 2%	2 2%	5 5%	5 7%	2 2%	0 0%	7 7%	0 0%	3 4%	4 4%
Don't know	1 1%	1 2%	0 0%	0 0%	0 0%	0 0%	0 0%	0	0 0%	1 1%	0 0%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	1 1%	0 0%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

**5d. Now, how often, if at all, does your household currently set out your garbage at the curb? Do you set it weekly, every two weeks, once a month, or less than once a month?**

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Weekly	167 84%	44 88%	41 82%	41 82%	41 82%	61 91%	104 81%	19 54%	63 83%	69 97%	12 100%	20 100%	55 82%	107 85%	82 89%	84 80%	62 83%	105 84%	75 78%	92 88%	15 88%	79 94%	66 74%
Every 2 weeks	10 5%	1 2%	2 4%	4 8%	3 6%	2 3%	8 6%	3 9%	5 7%	1 1%	0 0%	0 0%	4 6%	5 4%	4 4%	5 5%	3 4%	7 6%	6 6%	4 4%	1 6%	1 1%	6 7%
Monthly	20 10%	3 6%	7 14%	5 10%	5 10%	4 6%	15 12%	11 31%	8 11%	0 0%	0 0%	0 0%	8 12%	11 9%	5 5%	14 13%	10 13%	10 8%	13 14%	7 7%	1 6%	3 4%	15 17%
Less than 1 per month	2 1%	1 2%	0 0%	0 0%	1 2%	0 0%	2 2%	2 6%	0 0%	0 0%	0 0%	0 0%	0 0%	2 2%	0 0%	2 2%	0 0%	2 2%	1 1%	1 1%	0 0%	0 0%	2 2%
Don't know	1 1%	1 2%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 1%	0 0%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	1 1%	0 0%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

6. Within the next year, the City of Portland and the City's garbage haulers are planning on adding curbside collection of food scraps to its current garbage and recycling system. I am going to read you a series of statements about food scraps composting. All of the statements are true. For each statement please tell me whether it is very useful, somewhat useful, or not especially useful in helping you decide whether or not to participate in the program.

a. All food scraps - including fruits and vegetables, meat, dairy, bones, and grains - can be placed, along with yard debris, in the green yard debris cart and picked up weekly

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55+
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Very	98 49%	25 50%	18 36%	30 60%	25 50%	28 42%	68 53%	14 40%	39 51%	38 54%	6 50%	13 65%	25 37%	71 56%	50 54%	47 45%	32 43%	66 53%	53 55%	45 43%	10 59%	47 56%	37 42%
Somewhat	54 27%	11 22%	17 34%	12 24%	14 28%	20 30%	33 26%	11 31%	20 26%	19 27%	3 25%	6 30%	18 27%	35 28%	26 28%	28 27%	20 27%	34 27%	22 23%	32 31%	4 24%	19 23%	29 33%
Not	43 22%	13 26%	14 28%	7 14%	9 18%	16 24%	26 20%	10 29%	16 21%	11 15%	3 25%	1 5%	22 33%	18 14%	13 14%	29 28%	21 28%	22 18%	17 18%	26 25%	3 18%	15 18%	22 25%
Unsure	5 3%	1 2%	1 2%	1 2%	2 4%	3 4%	2 2%	0 0%	1 1%	3 4%	0 0%	0 0%	2 3%	2 2%	3 3%	1 1%	2 3%	3 2%	4 4%	1 1%	0 0%	3 4%	1 1%



## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

**6. Within the next year, the City of Portland and the City's garbage haulers are planning on adding curbside collection of food scraps to its current garbage and recycling system. I am going to read you a series of statements about food scraps composting. All of the statements are true. For each statement please tell me whether it is very useful, somewhat useful, or not especially useful in helping you decide whether or not to participate in the program.**

**b. Food and food-soiled paper, which will be picked up as part of the program, account for almost 30% of Portland residents' garbage**

	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age			
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Very	115 58%	27 54%	24 48%	32 64%	32 64%	30 45%	83 64%	18 51%	42 55%	45 63%	8 67%	17 85%	35 52%	77 61%	58 63%	55 52%	43 57%	72 58%	61 64%	54 52%	14 82%	54 64%	42 47%
Somewhat	51 26%	11 22%	16 32%	11 22%	13 26%	23 34%	28 22%	12 34%	20 26%	15 21%	2 17%	3 15%	19 28%	30 24%	20 22%	30 29%	17 23%	34 27%	21 22%	30 29%	2 12%	17 20%	29 33%
Not	29 15%	11 22%	8 16%	7 14%	3 6%	11 16%	17 13%	5 14%	12 16%	8 11%	2 17%	0 0%	12 18%	16 13%	12 13%	17 16%	14 19%	15 12%	12 13%	17 16%	1 6%	11 13%	16 18%
Unsure	5 3%	1 2%	2 4%	0 0%	2 4%	3 4%	1 1%	0 0%	2 3%	3 4%	0 0%	0 0%	1 1%	3 2%	2 2%	3 3%	1 1%	4 3%	2 2%	3 3%	0 0%	2 2%	2 2%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

**6. Within the next year, the City of Portland and the City's garbage haulers are planning on adding curbside collection of food scraps to its current garbage and recycling system. I am going to read you a series of statements about food scraps composting. All of the statements are true. For each statement please tell me whether it is very useful, somewhat useful, or not especially useful in helping you decide whether or not to participate in the program.**

**c. In a landfill, food breaks down and produces methane, a greenhouse gas that causes climate change**

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Very	82 41%	17 34%	17 34%	26 52%	22 44%	23 34%	56 43%	10 29%	31 41%	32 45%	7 58%	10 50%	26 39%	54 43%	35 38%	45 43%	29 39%	53 42%	46 48%	36 35%	9 53%	40 48%	28 31%
Somewhat	55 28%	11 22%	17 34%	14 28%	13 26%	20 30%	35 27%	13 37%	20 26%	20 28%	2 17%	6 30%	20 30%	34 27%	24 26%	31 30%	21 28%	34 27%	25 26%	30 29%	4 24%	21 25%	30 34%
Not	53 27%	17 34%	14 28%	8 16%	14 28%	18 27%	34 26%	9 26%	23 30%	16 23%	3 25%	4 20%	19 28%	32 25%	26 28%	27 26%	21 28%	32 26%	21 22%	32 31%	4 24%	19 23%	27 30%
Unsure	10 5%	5 10%	2 4%	2 4%	1 2%	6 9%	4 3%	3 9%	2 3%	3 4%	0 0%	0 0%	2 3%	6 5%	7 8%	2 2%	4 5%	6 5%	4 4%	6 6%	0 0%	4 5%	4 4%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

**6. Within the next year, the City of Portland and the City’s garbage haulers are planning on adding curbside collection of food scraps to its current garbage and recycling system. I am going to read you a series of statements about food scraps composting. All of the statements are true. For each statement please tell me whether it is very useful, somewhat useful, or not especially useful in helping you decide whether or not to participate in the program.**

**d. Food scraps and food-soiled paper will be sent to a commercial composting facility that will turn it into compost for healthy soil**

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Very	122 61%	27 54%	27 54%	33 66%	35 70%	34 51%	86 67%	20 57%	40 53%	51 72%	8 67%	19 95%	30 45%	89 71%	60 65%	60 57%	37 49%	85 68%	68 71%	54 52%	12 71%	60 71%	44 49%
Somewhat	51 26%	12 24%	14 28%	13 26%	12 24%	21 31%	29 22%	9 26%	26 34%	13 18%	2 17%	1 5%	24 36%	25 20%	20 22%	30 29%	27 36%	24 19%	17 18%	34 33%	5 29%	13 15%	30 34%
Not	23 12%	10 20%	7 14%	4 8%	2 4%	9 13%	13 10%	5 14%	9 12%	5 7%	2 17%	0 0%	12 18%	10 8%	9 10%	14 13%	8 11%	15 12%	9 9%	14 13%	0 0%	9 11%	13 15%
Unsure	4 2%	1 2%	2 4%	0 0%	1 2%	3 4%	1 1%	1 3%	1 1%	2 3%	0 0%	0 0%	1 1%	2 2%	3 3%	1 1%	3 4%	1 1%	2 2%	2 2%	0 0%	2 2%	2 2%

## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

6. Within the next year, the City of Portland and the City's garbage haulers are planning on adding curbside collection of food scraps to its current garbage and recycling system. I am going to read you a series of statements about food scraps composting. All of the statements are true. For each statement please tell me whether it is very useful, somewhat useful, or not especially useful in helping you decide whether or not to participate in the program.

e. The addition of food scraps compost brings Portland in line with the garbage and recycling systems offered by other major West Coast cities such as San Francisco and Seattle

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55+
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Very	78 39%	18 36%	17 34%	19 38%	24 48%	24 36%	52 40%	11 31%	29 38%	34 48%	2 17%	11 55%	21 31%	54 43%	37 40%	39 37%	28 37%	50 40%	47 49%	31 30%	11 65%	34 40%	28 31%
Somewhat	63 32%	14 28%	20 40%	18 36%	11 22%	20 30%	43 33%	12 34%	25 33%	18 25%	6 50%	8 40%	20 30%	41 33%	32 35%	30 29%	25 33%	38 30%	25 26%	38 37%	4 24%	29 35%	28 31%
Not	51 26%	15 30%	12 24%	10 20%	14 28%	20 30%	29 22%	11 31%	18 24%	16 23%	4 33%	1 5%	23 34%	26 21%	19 21%	32 30%	19 25%	32 26%	22 23%	29 28%	2 12%	17 20%	29 33%
Unsure	8 4%	3 6%	1 2%	3 6%	1 2%	3 4%	5 4%	1 3%	4 5%	3 4%	0 0%	0 0%	3 4%	5 4%	4 4%	4 4%	3 4%	5 4%	2 2%	6 6%	0 0%	4 5%	4 4%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

7. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.

a. Assuming I can compost food scraps, it will be possible for my household to reduce garbage collection from once a week to every two weeks  
(Based on those who answered they have weekly garbage collection in Q5d.)

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	167	44	41	41	41	61	104	19	63	69	12	20	55	107	82	84	62	105	75	92	15	79	66
Disagree strongly	54 32%	20 45%	10 24%	11 27%	13 32%	20 33%	33 32%	7 37%	18 29%	20 29%	7 58%	6 30%	16 29%	36 34%	29 35%	24 29%	21 34%	33 31%	19 25%	35 38%	2 13%	28 35%	21 32%
Disagree somewhat	28 17%	7 16%	9 22%	7 17%	5 12%	14 23%	14 13%	0 0%	12 19%	12 17%	3 25%	3 15%	7 13%	20 19%	15 18%	13 15%	6 10%	22 21%	11 15%	17 18%	3 20%	15 19%	9 14%
Agree somewhat	38 23%	6 14%	13 32%	11 27%	8 20%	12 20%	25 24%	4 21%	14 22%	18 26%	2 17%	4 20%	17 31%	21 20%	19 23%	19 23%	18 29%	20 19%	16 21%	22 24%	5 33%	14 18%	18 27%
Agree strongly	42 25%	11 25%	9 22%	8 20%	14 34%	13 21%	29 28%	8 42%	17 27%	16 23%	0 0%	5 25%	13 24%	27 25%	17 21%	25 30%	14 23%	28 27%	27 36%	15 16%	5 33%	18 23%	17 26%
Don't know	5 3%	0 0%	0 0%	4 10%	1 2%	2 3%	3 3%	0 0%	2 3%	3 4%	0 0%	2 10%	2 4%	3 3%	2 2%	3 4%	3 5%	2 2%	2 3%	3 3%	0 0%	4 5%	1 2%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

7. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.

b. The blue recycling cart is large enough that picking up recycling every two weeks is not a problem for my household

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55+
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Disagree strongly	40 20%	8 16%	12 24%	12 24%	8 16%	15 22%	24 19%	4 11%	10 13%	21 30%	4 33%	6 30%	10 15%	28 22%	24 26%	16 15%	15 20%	25 20%	14 15%	26 25%	4 24%	26 31%	9 10%
Disagree somewhat	23 12%	6 12%	7 14%	4 8%	6 12%	9 13%	14 11%	1 3%	8 11%	11 15%	3 25%	4 20%	8 12%	15 12%	10 11%	13 12%	10 13%	13 10%	7 7%	16 15%	1 6%	14 17%	7 8%
Agree somewhat	32 16%	8 16%	10 20%	8 16%	6 12%	14 21%	18 14%	4 11%	13 17%	14 20%	1 8%	2 10%	13 19%	19 15%	15 16%	17 16%	9 12%	23 18%	17 18%	15 14%	1 6%	14 17%	17 19%
Agree strongly	101 51%	27 54%	20 40%	24 48%	30 60%	27 40%	72 56%	26 74%	44 58%	23 32%	3 25%	7 35%	35 52%	61 48%	41 45%	57 54%	40 53%	61 49%	55 57%	46 44%	11 65%	27 32%	55 62%
Don't know	4 2%	1 2%	1 2%	2 4%	0 0%	2 3%	1 1%	0 0%	1 1%	2 3%	1 8%	1 5%	1 1%	3 2%	2 2%	2 2%	1 1%	3 2%	3 3%	1 1%	0 0%	3 4%	1 1%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

7. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.

c. Once the food scraps program begins, I will put food scraps in my green yard debris cart

	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age			
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55+
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Disagree strongly	28 14%	14 28%	5 10%	2 4%	7 14%	10 15%	17 13%	7 20%	10 13%	7 10%	3 25%	0 0%	13 19%	15 12%	9 10%	19 18%	11 15%	17 14%	11 11%	17 16%	2 12%	9 11%	16 18%
Disagree somewhat	20 10%	5 10%	5 10%	5 10%	5 10%	8 12%	12 9%	4 11%	9 12%	5 7%	1 8%	1 5%	5 7%	13 10%	7 8%	13 12%	5 7%	15 12%	10 10%	10 10%	1 6%	4 5%	13 15%
Agree somewhat	56 28%	8 16%	24 48%	15 30%	9 18%	22 33%	32 25%	13 37%	21 28%	17 24%	4 33%	6 30%	22 33%	32 25%	27 29%	28 27%	25 33%	31 25%	23 24%	33 32%	5 29%	23 27%	26 29%
Agree strongly	91 46%	21 42%	16 32%	27 54%	27 54%	25 37%	65 50%	10 29%	36 47%	40 56%	4 33%	13 65%	26 39%	64 51%	46 50%	44 42%	33 44%	58 46%	47 49%	44 42%	9 53%	46 55%	33 37%
Don't know	5 3%	2 4%	0 0%	1 2%	2 4%	2 3%	3 2%	1 3%	0 0%	2 3%	0 0%	0 0%	1 1%	2 2%	3 3%	1 1%	1 1%	4 3%	5 5%	0 0%	0 0%	2 2%	1 1%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 8. Does your household currently compost any food scraps?

	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age			
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Yes	96 48%	25 50%	23 46%	25 50%	23 46%	36 54%	59 46%	19 54%	34 45%	33 46%	6 50%	8 40%	26 39%	65 52%	39 42%	55 52%	29 39%	67 54%	96 100%	0 0%	8 47%	42 50%	41 46%
No	104 52%	25 50%	27 54%	25 50%	27 54%	31 46%	70 54%	16 46%	42 55%	38 54%	6 50%	12 60%	41 61%	61 48%	53 58%	50 48%	46 61%	58 46%	0 0%	104 100%	9 53%	42 50%	48 54%



## City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

### 9. How often, if at all, would you estimate your household uses re-usable bags when shopping for groceries? Would you say re-usable bags are used almost every time, occasionally, or seldom or never when your household shops for groceries?

	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age			
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Almost every time	114 57%	18 36%	22 44%	38 76%	36 72%	37 55%	76 59%	21 60%	44 58%	39 55%	6 50%	13 65%	34 51%	76 60%	57 62%	54 51%	43 57%	71 57%	69 72%	45 43%	11 65%	48 57%	51 57%
Occasionally	57 29%	21 42%	18 36%	7 14%	11 22%	15 22%	40 31%	8 23%	22 29%	21 30%	5 42%	4 20%	22 33%	34 27%	27 29%	30 29%	17 23%	40 32%	22 23%	35 34%	6 35%	24 29%	24 27%
Seldom or never	28 14%	11 22%	9 18%	5 10%	3 6%	15 22%	12 9%	6 17%	9 12%	11 15%	1 8%	3 15%	10 15%	16 13%	8 9%	20 19%	15 20%	13 10%	5 5%	23 22%	0 0%	12 14%	13 15%
Don't know	1 1%	0 0%	1 2%	0 0%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%	0 0%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%	1 1%	0 0%	0 0%	1 1%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 10a. Why does your household use re-usable bags almost every time it shops for groceries?

(Based on those who answered “Almost every time” in Q10.)

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	114	18	22	38	36	37	76	21	44	39	6	13	34	76	57	54	43	71	69	45	11	48	51
For the environment	32 28%	7 39%	6 27%	11 29%	8 22%	13 35%	18 24%	8 38%	9 20%	11 28%	3 50%	4 31%	7 21%	24 32%	14 25%	17 31%	9 21%	23 32%	21 30%	11 24%	2 18%	17 35%	12 24%
Don't want to use plastic	26 23%	2 11%	4 18%	8 21%	12 33%	7 19%	19 25%	5 24%	13 30%	7 18%	0 0%	3 23%	9 26%	16 21%	13 23%	12 22%	10 23%	16 23%	17 25%	9 20%	3 27%	8 17%	14 27%
Right thing to do	15 13%	3 17%	4 18%	5 13%	3 8%	4 11%	11 14%	3 14%	5 11%	6 15%	1 17%	0 0%	4 12%	11 14%	7 12%	8 15%	5 12%	10 14%	11 16%	4 9%	1 9%	6 13%	8 16%
Like re-usable bags/ convenient	11 10%	1 6%	5 23%	2 5%	3 8%	4 11%	7 9%	3 14%	3 7%	5 13%	0 0%	0 0%	5 15%	6 8%	3 5%	8 15%	2 5%	9 13%	5 7%	6 13%	1 9%	4 8%	6 12%
Reduce waste	12 11%	1 6%	1 5%	4 11%	6 17%	3 8%	9 12%	0 0%	5 11%	7 18%	0 0%	4 31%	2 6%	10 13%	8 14%	4 7%	9 21%	3 4%	5 7%	7 16%	3 27%	6 13%	3 6%
To support recycling	3 3%	1 6%	0 0%	2 5%	0 0%	0 0%	3 4%	0 0%	2 5%	0 0%	1 17%	1 8%	1 3%	2 3%	3 5%	0 0%	1 2%	2 3%	1 1%	2 4%	0 0%	2 4%	1 2%
Easy to use	2 2%	0 0%	0 0%	2 5%	0 0%	0 0%	2 3%	0 0%	2 5%	0 0%	0 0%	0 0%	1 3%	1 1%	1 2%	1 2%	2 5%	0 0%	1 1%	1 2%	0 0%	1 2%	1 2%
Bags don't recycle well	1 1%	1 6%	0 0%	0 0%	0 0%	1 3%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 2%	0 0%	1 2%	0 0%	1 1%	0 0%	0 0%	0 0%	0 0%
Reduce oil dependency	1 1%	0 0%	0 0%	1 3%	0 0%	1 3%	0 0%	0 0%	0 0%	0 0%	1 17%	0 0%	1 3%	0 0%	0 0%	1 2%	1 2%	0 0%	1 1%	0 0%	0 0%	1 2%	0 0%
Reducing use of bags	1 1%	0 0%	0 0%	1 3%	0 0%	0 0%	1 1%	0 0%	1 2%	0 0%	0 0%	0 0%	0 0%	1 1%	1 2%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	1 2%	0 0%
Support sustainability	1 1%	0 0%	0 0%	1 3%	0 0%	0 0%	1 1%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	0 0%	0 0%
Others	5 4%	0 0%	2 9%	0 0%	3 8%	3 8%	2 3%	2 10%	2 5%	1 3%	0 0%	0 0%	3 9%	2 3%	4 7%	1 2%	3 7%	2 3%	1 1%	4 9%	1 9%	1 2%	3 6%
Don't know	4 4%	2 11%	0 0%	1 3%	1 3%	1 3%	3 4%	0 0%	2 5%	2 5%	0 0%	1 8%	1 3%	3 4%	2 4%	2 4%	0 0%	4 6%	3 4%	1 2%	0 0%	1 2%	3 6%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 10b. Why doesn't your household use re-usable bags more often when shopping for groceries?

(Based on those who answered "Occasionally" in Q10.)

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	57	21	18	7	11	15	40	8	22	21	5	4	22	34	27	30	17	40	22	35	6	24	24
I/we forget them	36 63%	16 76%	9 50%	6 86%	5 45%	9 60%	26 65%	6 75%	11 50%	15 71%	4 80%	4 100%	12 55%	24 71%	19 70%	17 57%	9 53%	27 68%	12 55%	24 69%	3 50%	20 83%	11 46%
Need bags for garbage	5 9%	1 5%	2 11%	0 0%	2 18%	1 7%	4 10%	2 25%	2 9%	1 5%	0 0%	0 0%	0 0%	5 15%	3 11%	2 7%	2 12%	3 8%	5 23%	0 0%	1 17%	2 8%	2 8%
Bags are inconvenient	3 5%	0 0%	2 11%	1 14%	0 0%	2 13%	1 3%	0 0%	2 9%	1 5%	0 0%	0 0%	1 5%	1 3%	1 4%	2 7%	2 12%	1 3%	3 14%	0 0%	1 17%	0 0%	1 4%
Lazy	2 4%	0 0%	1 6%	0 0%	1 9%	1 7%	1 3%	0 0%	0 0%	1 5%	1 20%	0 0%	2 9%	0 0%	0 0%	2 7%	1 6%	1 3%	0 0%	2 6%	0 0%	0 0%	2 8%
Not enough bags for groceries purchased	2 4%	2 10%	0 0%	0 0%	0 0%	0 0%	2 5%	0 0%	2 9%	0 0%	0 0%	0 0%	1 5%	1 3%	1 4%	1 3%	1 6%	1 3%	0 0%	2 6%	0 0%	1 4%	1 4%
Not in habit	2 4%	0 0%	1 6%	0 0%	1 9%	0 0%	2 5%	0 0%	1 5%	1 5%	0 0%	0 0%	1 5%	1 3%	1 4%	1 3%	0 0%	2 5%	1 5%	1 3%	0 0%	1 4%	1 4%
Don't like bags/not strong	1 2%	0 0%	1 6%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 5%	0 0%	0 0%	1 3%	0 0%	1 3%	0 0%	1 3%	0 0%	0 0%	1 4%
Don't like made out of plastic	1 2%	1 5%	0 0%	0 0%	0 0%	0 0%	1 3%	0 0%	1 5%	0 0%	0 0%	0 0%	0 0%	1 3%	1 4%	0 0%	0 0%	1 3%	0 0%	1 3%	0 0%	0 0%	1 4%
Have them in car	1 2%	1 5%	0 0%	0 0%	0 0%	1 7%	0 0%	0 0%	0 0%	1 5%	0 0%	0 0%	0 0%	1 3%	0 0%	1 3%	0 0%	1 3%	0 0%	1 3%	0 0%	0 0%	1 4%
Forget in car	1 2%	0 0%	1 6%	0 0%	0 0%	0 0%	1 3%	0 0%	0 0%	1 5%	0 0%	0 0%	1 5%	0 0%	1 4%	0 0%	0 0%	1 3%	0 0%	1 3%	1 17%	0 0%	0 0%
Others	3 5%	0 0%	1 6%	0 0%	2 18%	1 7%	2 5%	0 0%	3 14%	0 0%	0 0%	0 0%	3 14%	0 0%	0 0%	3 10%	2 12%	1 3%	1 5%	2 6%	0 0%	0 0%	3 13%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 10c. Why doesn't your household use re-usable bags when shopping for groceries?

(Based on those who answered "Seldom or never" in Q10.)

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	28	11	9	5	3	15	12	6	9	11	1	3	10	16	8	20	15	13	5	23	0	12	13
Bags are inconvenient	5 18%	3 27%	2 22%	0 0%	0 0%	1 7%	4 33%	0 0%	1 11%	4 36%	0 0%	1 33%	1 10%	4 25%	1 13%	4 20%	3 20%	2 15%	2 40%	3 13%	0 0%	2 17%	2 15%
Forget bags	5 18%	2 18%	1 11%	1 20%	1 33%	3 20%	1 8%	2 33%	3 33%	0 0%	0 0%	0 0%	2 20%	3 19%	1 13%	4 20%	3 20%	2 15%	1 20%	4 17%	0 0%	2 17%	3 23%
Don't have any bags	4 14%	1 9%	0 0%	3 60%	0 0%	2 13%	2 17%	0 0%	2 22%	1 9%	0 0%	0 0%	1 10%	2 13%	0 0%	4 20%	2 13%	2 15%	1 20%	3 13%	0 0%	2 17%	1 8%
Bags used for other purposes	3 11%	0 0%	1 11%	0 0%	2 67%	3 20%	0 0%	2 33%	1 11%	0 0%	0 0%	0 0%	2 20%	1 6%	1 13%	2 10%	2 13%	1 8%	1 20%	2 9%	0 0%	0 0%	2 15%
Don't think about it	2 7%	2 18%	0 0%	0 0%	0 0%	0 0%	2 17%	0 0%	1 11%	1 9%	0 0%	0 0%	0 0%	2 13%	1 13%	1 5%	1 7%	1 8%	0 0%	2 9%	0 0%	0 0%	2 15%
Personal preference	2 7%	1 9%	1 11%	0 0%	0 0%	2 13%	0 0%	1 17%	0 0%	1 9%	0 0%	0 0%	0 0%	2 13%	1 13%	1 5%	2 13%	0 0%	0 0%	2 9%	0 0%	2 17%	0 0%
Buy more than have bags	1 4%	0 0%	1 11%	0 0%	0 0%	0 0%	1 8%	0 0%	0 0%	1 9%	0 0%	1 33%	1 10%	0 0%	0 0%	1 5%	0 0%	1 8%	0 0%	1 4%	0 0%	1 8%	0 0%
Like plastic bags	1 4%	0 0%	1 11%	0 0%	0 0%	0 0%	1 8%	1 17%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	1 5%	1 7%	0 0%	0 0%	1 4%	0 0%	0 0%	1 8%
Not important	1 4%	1 9%	0 0%	0 0%	0 0%	1 7%	0 0%	0 0%	0 0%	1 9%	0 0%	0 0%	0 0%	1 6%	1 13%	0 0%	0 0%	1 8%	0 0%	1 4%	0 0%	1 8%	0 0%
Refuse to pay \$1	1 4%	1 9%	0 0%	0 0%	0 0%	1 7%	0 0%	0 0%	0 0%	0 0%	1 100%	0 0%	1 10%	0 0%	0 0%	1 5%	0 0%	1 8%	0 0%	1 4%	0 0%	0 0%	1 8%
Shop at Costco/they don't have	1 4%	0 0%	1 11%	0 0%	0 0%	0 0%	1 8%	0 0%	1 11%	0 0%	0 0%	0 0%	1 10%	0 0%	0 0%	1 5%	1 7%	0 0%	0 0%	1 4%	0 0%	0 0%	1 8%
Don't know	1 4%	0 0%	0 0%	1 20%	0 0%	1 7%	0 0%	0 0%	0 0%	1 9%	0 0%	0 0%	1 10%	0 0%	1 13%	0 0%	0 0%	1 8%	0 0%	1 4%	0 0%	1 8%	0 0%
Others	1 4%	0 0%	1 11%	0 0%	0 0%	1 7%	0 0%	0 0%	0 0%	1 9%	0 0%	1 33%	0 0%	1 6%	1 13%	0 0%	0 0%	1 8%	0 0%	1 4%	0 0%	1 8%	0 0%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 10d. Why don't you own any re-usable bags?

(Based on those who answered "Do not own any re-usable bags" in Q10c.)

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	4	1	0	3	0	2	2	0	2	1	0	0	1	2	0	4	2	2	1	3	0	2	1
Have not purchased	2 50%	0 0%	0 0%	2 67%	0 0%	2 100%	0 0%	0 0%	1 50%	0 0%	0 0%	0 0%	0 0%	1 50%	0 0%	2 50%	1 50%	1 50%	1 100%	1 33%	0 0%	1 50%	0 0%
Bags used for other purposes	1 25%	0 0%	0 0%	1 33%	0 0%	0 0%	1 50%	0 0%	1 50%	0 0%	0 0%	0 0%	1 100%	0 0%	0 0%	1 25%	0 0%	1 50%	0 0%	1 33%	0 0%	0 0%	1 100%
Bags are inconvenient	1 25%	1 100%	0 0%	0 0%	0 0%	0 0%	1 50%	0 0%	0 0%	1 100%	0 0%	0 0%	0 0%	1 50%	0 0%	1 25%	1 50%	0 0%	0 0%	1 33%	0 0%	1 50%	0 0%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 11. How long have you lived in the City of Portland?

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UND-ER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
2 years or lesss	4 2%	1 2%	1 2%	1 2%	1 2%	1 1%	2 2%	0 0%	2 3%	2 3%	0 0%	0 0%	1 1%	3 2%	4 4%	0 0%	1 1%	3 2%	2 2%	2 2%	1 6%	2 2%	1 1%
3 to 5 years	20 10%	6 12%	1 2%	7 14%	6 12%	11 16%	9 7%	2 6%	7 9%	8 11%	2 17%	3 15%	4 6%	15 12%	20 22%	0 0%	10 13%	10 8%	10 10%	10 10%	4 24%	7 8%	7 8%
6 to 10 years	29 15%	9 18%	3 6%	8 16%	9 18%	11 16%	18 14%	3 9%	13 17%	10 14%	3 25%	5 25%	7 10%	22 17%	29 32%	0 0%	9 12%	20 16%	14 15%	15 14%	6 35%	15 18%	7 8%
11 to 20 years	39 20%	7 14%	10 20%	10 20%	12 24%	10 15%	29 22%	5 14%	11 14%	21 30%	2 17%	11 55%	10 15%	29 23%	39 42%	0 0%	14 19%	25 20%	13 14%	26 25%	4 24%	27 32%	8 9%
21 to 30 years	29 15%	11 22%	6 12%	6 12%	6 12%	8 12%	21 16%	3 9%	10 13%	15 21%	1 8%	1 5%	6 9%	23 18%	0 0%	29 28%	10 13%	19 15%	18 19%	11 11%	2 12%	11 13%	16 18%
31 to 40 years	27 14%	5 10%	12 24%	5 10%	5 10%	8 12%	18 14%	7 20%	14 18%	5 7%	1 8%	0 0%	13 19%	14 11%	0 0%	27 26%	13 17%	14 11%	16 17%	11 11%	0 0%	9 11%	18 20%
41 to 50 years	28 14%	4 8%	11 22%	7 14%	6 12%	9 13%	18 14%	8 23%	9 12%	9 13%	1 8%	0 0%	11 16%	16 13%	0 0%	28 27%	11 15%	17 14%	14 15%	14 13%	0 0%	12 14%	15 17%
Over 50 years	21 11%	7 14%	5 10%	5 10%	4 8%	8 12%	12 9%	7 20%	10 13%	1 1%	2 17%	0 0%	15 22%	4 3%	0 0%	21 20%	5 7%	16 13%	7 7%	14 13%	0 0%	1 1%	17 19%
Refused	3 2%	0 0%	1 2%	1 2%	1 2%	1 1%	2 2%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	2 3%	1 1%	2 2%	1 1%	0 0%	0 0%	0 0%
Mean	27.6	26.8	33.4	25.5	24.8	27.0	27.6	38.6	28.4	21.7	24.1	12.9	35.8	22.8	10.6	42.5	26.1	28.5	27.3	27.9	10.6	22.0	35.5
SD	19.8	21.5	17.7	19.6	19.5	21.5	18.6	23.1	20.6	14.2	20.3	5.7	22.0	16.7	5.7	15.1	17.4	21.0	18.6	20.8	7.4	14.5	21.0

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 12. Do you own or rent your home?

	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age			
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Own	194 97%	50 100%	47 94%	48 96%	49 98%	63 94%	127 98%	34 97%	76 100%	70 99%	11 92%	20 100%	65 97%	126 100%	92 100%	102 97%	72 96%	122 98%	92 96%	102 98%	17 100%	83 99%	88 99%
Rent	1 1%	0 0%	0 0%	1 2%	0 0%	1 1%	0 0%	0 0%	0 0%	0 0%	1 8%	0 0%	1 1%	0 0%	0 0%	1 1%	1 1%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%
Refused	5 3%	0 0%	3 6%	1 2%	1 2%	3 4%	2 2%	1 3%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	0 0%	2 2%	2 3%	3 2%	3 3%	2 2%	0 0%	0 0%	1 1%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 13. What is your age, please?

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
18 to 34	17 9%	0 0%	5 10%	4 8%	8 16%	4 6%	13 10%	1 3%	8 11%	8 11%	0 0%	4 20%	4 6%	13 10%	15 16%	2 2%	8 11%	9 7%	8 8%	9 9%	17 100%	0 0%	0 0%
35 to 54	84 42%	24 48%	16 32%	25 50%	19 38%	32 48%	51 40%	4 11%	22 29%	49 69%	9 75%	15 75%	24 36%	60 48%	51 55%	33 31%	32 43%	52 42%	42 44%	42 40%	0 0%	84 100%	0 0%
55 Plus	89 45%	23 46%	26 52%	19 38%	21 42%	25 37%	61 47%	29 83%	45 59%	12 17%	2 17%	0 0%	37 55%	51 40%	23 25%	66 63%	32 43%	57 46%	41 43%	48 46%	0 0%	0 0%	89 100%
Refused	10 5%	3 6%	3 6%	2 4%	2 4%	6 9%	4 3%	1 3%	1 1%	2 3%	1 8%	1 5%	2 3%	2 2%	3 3%	4 4%	3 4%	7 6%	5 5%	5 5%	0 0%	0 0%	0 0%
Mean	52.6	55.3	53.4	50.8	51.1	50.0	53.5	63.7	55.0	45.7	43.5	38.1	56.1	50.6	45.7	58.7	51.1	53.6	51.7	53.5	29.7	44.3	64.9
SD	14.2	12.1	14.8	13.2	16.1	12.6	14.7	14.3	13.3	10.9	8.7	5.1	14.8	13.4	13.2	12.1	13.6	14.5	12.8	15.4	3.9	5.9	8.7



# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 14a. How many people, including yourself, live in your household?

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
1	35 18%	6 12%	13 26%	4 8%	12 24%	13 19%	22 17%	35 100%	0 0%	0 0%	0 0%	0 0%	14 21%	20 16%	10 11%	25 24%	13 17%	22 18%	19 20%	16 15%	1 6%	4 5%	29 33%
2	76 38%	20 40%	16 32%	24 48%	16 32%	22 33%	52 40%	0 0%	76 100%	0 0%	0 0%	0 0%	29 43%	47 37%	33 36%	43 41%	33 44%	43 34%	34 35%	42 40%	8 47%	22 26%	45 51%
3	36 18%	8 16%	6 12%	10 20%	12 24%	12 18%	24 19%	0 0%	0 0%	36 51%	0 0%	8 40%	11 16%	24 19%	19 21%	17 16%	12 16%	24 19%	17 18%	19 18%	5 29%	18 21%	11 12%
4	35 18%	9 18%	11 22%	7 14%	8 16%	11 16%	23 18%	0 0%	0 0%	35 49%	0 0%	8 40%	9 13%	26 21%	22 24%	13 12%	11 15%	24 19%	16 17%	19 18%	3 18%	31 37%	1 1%
5	8 4%	4 8%	1 2%	3 6%	0 0%	4 6%	4 3%	0 0%	0 0%	0 0%	8 67%	2 10%	2 3%	6 5%	4 4%	4 4%	2 3%	6 5%	6 6%	2 2%	0 0%	7 8%	1 1%
6	3 2%	2 4%	0 0%	0 0%	1 2%	2 3%	1 1%	0 0%	0 0%	0 0%	3 25%	1 5%	1 1%	2 2%	2 2%	1 1%	1 1%	2 2%	0 0%	3 3%	0 0%	1 1%	1 1%
9	1 1%	0 0%	1 2%	0 0%	0 0%	0 0%	1 1%	0 0%	0 0%	0 0%	1 8%	1 5%	0 0%	1 1%	1 1%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%	1 1%	0 0%
Refused	6 3%	1 2%	2 4%	2 4%	1 2%	3 4%	2 2%	0 0%	0 0%	0 0%	0 0%	0 0%	1 1%	0 0%	1 1%	2 2%	3 4%	3 2%	4 4%	2 2%	0 0%	0 0%	1 1%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 14b. How many, if any, children aged 3 or under live in your home?

(Based on those who answered more than 1 person in household in Q14a.)

	Area of PDX					Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
	TOTAL	SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	159	43	35	44	37	51	105	0	76	71	12	20	52	106	81	78	59	100	73	86	16	80	59
None	137 86%	39 91%	31 89%	36 82%	31 84%	41 80%	93 89%	0 0%	76 100%	55 77%	6 50%	0 0%	49 94%	87 82%	60 74%	77 99%	52 88%	85 85%	65 89%	72 84%	12 75%	64 80%	59 100%
1	17 11%	1 2%	3 9%	7 16%	6 16%	8 16%	9 9%	0 0%	0 0%	15 21%	2 17%	17 85%	3 6%	14 13%	16 20%	1 1%	6 10%	11 11%	6 8%	11 13%	3 19%	13 16%	0 0%
2	3 2%	2 5%	1 3%	0 0%	0 0%	1 2%	2 2%	0 0%	0 0%	1 1%	2 17%	3 15%	0 0%	3 3%	3 4%	0 0%	0 0%	3 3%	2 3%	1 1%	1 6%	2 3%	0 0%
3	1 1%	0 0%	0 0%	1 2%	0 0%	0 0%	1 1%	0 0%	0 0%	0 0%	1 8%	0 0%	0 0%	1 1%	1 1%	0 0%	1 2%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%
Refused	1 1%	1 2%	0 0%	0 0%	0 0%	1 2%	0 0%	0 0%	0 0%	0 0%	1 8%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%	0 0%	0 0%

# City of Portland BPS Food Scraps Collection Pre-Program Pilot Survey

## 15. What is the last year of education you had the opportunity to complete?

	TOTAL	Area of PDX				Current Sat.		Household size				Under 3	Education		Time in PDX		Gender		Compost		Age		
		SW	OUT SE	IN SE	CNTL NE	NOT VERY	VERY	1	2	3 OR 4	5 PLUS	YES	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	YES	NO	18-34	35-54	55 +
Total	200	50	50	50	50	67	129	35	76	71	12	20	67	126	92	105	75	125	96	104	17	84	89
Less than 12th grade	2 1%	0 0%	1 2%	0 0%	1 2%	0 0%	1 1%	0 0%	1 1%	0 0%	0 0%	0 0%	2 3%	0 0%	0 0%	2 2%	0 0%	2 2%	0 0%	2 2%	0 0%	0 0%	2 2%
High school grad	20 10%	2 4%	12 24%	5 10%	1 2%	4 6%	16 12%	5 14%	9 12%	6 8%	0 0%	1 5%	20 30%	0 0%	5 5%	15 14%	7 9%	13 10%	6 6%	14 13%	2 12%	6 7%	12 13%
Some college/post secondary	45 23%	7 14%	14 28%	9 18%	15 30%	18 27%	25 19%	9 26%	19 25%	14 20%	3 25%	2 10%	45 67%	0 0%	17 18%	28 27%	20 27%	25 20%	20 21%	25 24%	2 12%	18 21%	23 26%
College grad	53 27%	19 38%	12 24%	10 20%	12 24%	20 30%	32 25%	9 26%	22 29%	20 28%	2 17%	6 30%	0 0%	53 42%	30 33%	23 22%	18 24%	35 28%	26 27%	27 26%	6 35%	26 31%	21 24%
Some post-grad	23 12%	5 10%	3 6%	7 14%	8 16%	10 15%	13 10%	4 11%	7 9%	10 14%	2 17%	5 25%	0 0%	23 18%	11 12%	12 11%	8 11%	15 12%	13 14%	10 10%	4 24%	12 14%	7 8%
Master's or higher	50 25%	16 32%	5 10%	17 34%	12 24%	11 16%	39 30%	7 20%	18 24%	20 28%	5 42%	6 30%	0 0%	50 40%	28 30%	22 21%	18 24%	32 26%	26 27%	24 23%	3 18%	22 26%	23 26%
Refused	7 4%	1 2%	3 6%	2 4%	1 2%	4 6%	3 2%	1 3%	0 0%	1 1%	0 0%	0 0%	0 0%	0 0%	1 1%	3 3%	4 5%	3 2%	5 5%	2 2%	0 0%	0 0%	1 1%



## **Post-Pilot Data Printout**



## **Post-Pilot Data Printout**

### **Set 1 : Attitudes**





# City of Portland BPS Food Scraps Collection Post-Program Pilot Survey

## Set 1: Attitudes

### Gender

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT	IN SE	CEN	NOT	VERY	2 WK	DAILY	1 WK	FEW	NONE	COM POST	In	Out	
			SE		NE	VERY					MON					
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Male	73 36%	18 35%	12 24%	20 40%	23 46%	47 41%	25 30%	36 38%	35 35%	34 34%	21 34%	3 38%	14 45%	29 44%	72 36%	1 50%
Female	128 64%	33 65%	38 76%	30 60%	27 54%	67 59%	59 70%	58 62%	64 65%	65 66%	40 66%	5 63%	17 55%	37 56%	127 64%	1 50%

# City of Portland BPS Food Scraps Collection Post-Program Pilot Survey

## Set 1: Attitudes

### Sample quota

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT	IN SE	CEN	NOT	VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW	COM	In	Out
			SE		NE								MON			
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Southwest	51 25%	51 100%	0 0%	0 0%	0 0%	32 28%	19 23%	14 15%	36 36%	23 23%	16 26%	0 0%	11 35%	15 23%	50 25%	1 50%
Outer SE	50 25%	0 0%	50 100%	0 0%	0 0%	31 27%	19 23%	28 30%	20 20%	19 19%	20 33%	4 50%	7 23%	18 27%	50 25%	0 0%
Inner SE	50 25%	0 0%	0 0%	50 100%	0 0%	23 20%	27 32%	14 15%	33 33%	30 30%	13 21%	2 25%	5 16%	19 29%	50 25%	0 0%
Central NE	50 25%	0 0%	0 0%	0 0%	50 100%	28 25%	19 23%	38 40%	10 10%	27 27%	12 20%	2 25%	8 26%	14 21%	49 25%	1 50%

2. First, which of the following best describes your home?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
												MON	NONE			
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Single-family residence	198 99%	51 100%	50 100%	49 98%	48 96%	111 97%	84 100%	93 99%	97 98%	97 98%	60 98%	8 100%	31 100%	66 100%	196 98%	2 100%
Duplex	3 1%	0 0%	0 0%	1 2%	2 4%	3 3%	0 0%	1 1%	2 2%	2 2%	1 2%	0 0%	0 0%	0 0%	3 2%	0 0%

**3. And just to confirm, are you the person in your household who is most responsible for your household’s garbage and recycling, do you share this responsibility, or is this someone else’s responsibility?**

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Most responsible	137 68%	34 67%	35 70%	30 60%	38 76%	85 75%	50 60%	67 71%	63 64%	58 59%	48 79%	7 88%	22 71%	43 65%	135 68%	2 100%
Shares with others	64 32%	17 33%	15 30%	20 40%	12 24%	29 25%	34 40%	27 29%	36 36%	41 41%	13 21%	1 13%	9 29%	23 35%	64 32%	0 0%

4. First, the major elements of Portland’s current garbage and recycling system include the blue roll cart for recycling, the green yard debris roll cart, and your garbage container. Overall, how satisfied are you with Portland’s current garbage and recycling system? Would you say you are very, somewhat, or not satisfied at all with the current system?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
			SE	IN SE								MON	NONE			
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Not satisfied	49 24%	10 20%	20 40%	9 18%	10 20%	49 43%	0 0%	24 26%	23 23%	14 14%	17 28%	2 25%	16 52%	13 20%	49 25%	0 0%
Somewhat satisfied	65 32%	22 43%	11 22%	14 28%	18 36%	65 57%	0 0%	31 33%	33 33%	32 32%	20 33%	3 38%	10 32%	26 39%	65 33%	0 0%
Very satisfied	84 42%	19 37%	19 38%	27 54%	19 38%	0 0%	84 100%	37 39%	43 43%	52 53%	24 39%	3 38%	4 13%	27 41%	83 42%	1 50%
Don't know	3 1%	0 0%	0 0%	0 0%	3 6%	0 0%	0 0%	2 2%	0 0%	1 1%	0 0%	0 0%	1 3%	0 0%	2 1%	1 50%

5. During the last six months, garbage and recycling customers in several neighborhoods throughout Portland have been part of the food scraps composting pilot project. In addition to adding the capability to compost food scraps, this program triggered several other changes to the garbage and recycling system. Whether or not your household chose to compost food scraps, was your household part of the Portland Composts pilot project?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT	IN SE	CEN	VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW	NONE	COM POST	In	Out
			SE		NE		MON									
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Part of Portland Composts project	199 99%	50 98%	50 100%	50 100%	49 98%	114 100%	83 99%	94 100%	99 100%	99 100%	61 100%	8 100%	31 100%	66 100%	199 100%	0 0%
No part of Portland Composts project	2 1%	1 2%	0 0%	0 0%	1 2%	0 0%	1 1%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	2 100%

**6. In some pilot project households, how often the blue recycling roll cart can be put out changed from every week to every two weeks. How often is your household allowed to put out your blue recycling roll cart? Can you do this every week or has it been changed to every two weeks?**

(Based on those who answered that their household was part of the pilot in Q5.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
			SE	IN								SE	MON			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Every week	94 47%	14 28%	28 56%	14 28%	38 78%	55 48%	37 45%	94 100%	0 0%	44 44%	27 44%	4 50%	19 61%	34 52%	94 47%	0 0%
Every two weeks	99 50%	36 72%	20 40%	33 66%	10 20%	56 49%	43 52%	0 0%	99 100%	52 53%	33 54%	3 38%	11 35%	28 42%	99 50%	0 0%
Don't know	6 3%	0 0%	2 4%	3 6%	1 2%	3 3%	3 4%	0 0%	0 0%	3 3%	1 2%	1 13%	1 3%	4 6%	6 3%	0 0%

**7. Households in the food scraps composting pilot project neighborhoods can put household food scraps in their green yard debris roll cart and this cart is now picked up every week. How often does your household collect food scraps for your green yard debris roll cart? Do you collect household food scraps for the green roll cart...**

(Based on those who answered that their household was part of the pilot in Q5.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
			SE	IN								SE	MON			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
On a daily basis	99 50%	23 46%	19 38%	30 60%	27 55%	46 40%	52 63%	44 47%	52 53%	99 100%	0 0%	0 0%	0 0%	31 47%	99 50%	0 0%
At least once a week	61 31%	16 32%	20 40%	13 26%	12 24%	37 32%	24 29%	27 29%	33 33%	0 0%	61 100%	0 0%	0 0%	18 27%	61 31%	0 0%
A few times a month	8 4%	0 0%	4 8%	2 4%	2 4%	5 4%	3 4%	4 4%	3 3%	0 0%	0 0%	8 100%	0 0%	4 6%	8 4%	0 0%
Seldom or never	27 14%	8 16%	6 12%	5 10%	8 16%	23 20%	3 4%	17 18%	9 9%	0 0%	0 0%	0 0%	27 87%	12 18%	27 14%	0 0%
Don't know	4 2%	3 6%	1 2%	0 0%	0 0%	3 3%	1 1%	2 2%	2 2%	0 0%	0 0%	0 0%	4 13%	1 2%	4 2%	0 0%



**8. And when your household collects food scraps for the green yard debris roll cart, are these food scraps coming from food preparation, plate scrapings after the meal, or both?**

(Based on those who answered that they compost food scraps at least a few times a month in Q7.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
			SE	IN SE								MON	NONE			
Total	168	39	43	45	41	88	79	75	88	99	61	8	0	53	168	0
Food scraps from food preparation	13 8%	3 8%	4 9%	4 9%	2 5%	6 7%	7 9%	3 4%	9 10%	7 7%	6 10%	0 0%	0 0%	3 6%	13 8%	0 0%
Plate scrapings after meal	5 3%	0 0%	1 2%	2 4%	2 5%	2 2%	3 4%	2 3%	2 2%	0 0%	3 5%	2 25%	0 0%	1 2%	5 3%	0 0%
Both	147 88%	35 90%	37 86%	38 84%	37 90%	77 88%	69 87%	69 92%	75 85%	92 93%	50 82%	5 63%	0 0%	49 92%	147 88%	0 0%
Refused/don't know	3 2%	1 3%	1 2%	1 2%	0 0%	3 3%	0 0%	1 1%	2 2%	0 0%	2 3%	1 13%	0 0%	0 0%	3 2%	0 0%

**City of Portland BPS Food Scraps Collection Post-Program Pilot Survey**

**Set 1: Attitudes**

**9a. Which, if any, of the following types of food scraps do you collect for your green yard debris roll cart?**

(Asked of those who answered that they collect food scraps at least a few times a month in Q7. Multiple answers accepted.)

**9b. Based on your understanding of the food scraps composting program, which, if any, of the following types of food scraps are households now able to put in their green yard debris roll cart?**

(Asked of those who answered that they collect food scraps seldom or never or don't know in Q7. Multiple answers accepted.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
												MON	NONE			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Fruits and vegetables	180 90%	44 88%	45 90%	46 92%	45 92%	104 91%	76 92%	84 89%	91 92%	93 94%	57 93%	6 75%	24 77%	56 85%	180 90%	0 0%
Bread, pasta, and other grains	165 83%	42 84%	42 84%	41 82%	40 82%	91 80%	73 88%	76 81%	85 86%	90 91%	53 87%	3 38%	19 61%	58 88%	165 83%	0 0%
Meat and poultry	158 79%	40 80%	42 84%	40 80%	36 73%	82 72%	75 90%	75 80%	80 81%	88 89%	48 79%	4 50%	18 58%	54 82%	158 79%	0 0%
Food-soiled paper, such as pizza boxes	137 69%	31 62%	30 60%	39 78%	37 76%	76 67%	60 72%	61 65%	71 72%	78 79%	35 57%	6 75%	18 58%	50 76%	137 69%	0 0%
Dairy	127 64%	37 74%	25 50%	31 62%	34 69%	67 59%	59 71%	60 64%	65 66%	73 74%	38 62%	2 25%	14 45%	44 67%	127 64%	0 0%
Seafood, including shell fish	114 57%	32 64%	21 42%	32 64%	29 59%	63 55%	50 60%	51 54%	61 62%	72 73%	29 48%	0 0%	13 42%	41 62%	114 57%	0 0%
None of the above	6 3%	3 6%	1 2%	0 0%	2 4%	4 4%	1 1%	4 4%	2 2%	0 0%	2 3%	0 0%	4 13%	1 2%	6 3%	0 0%
Don't know/refused	1 1%	1 2%	0 0%	0 0%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	0 0%	0 0%	1 3%	1 2%	1 1%	0 0%

**City of Portland BPS Food Scraps Collection Post-Program Pilot Survey**

**Set 1: Attitudes**

**10. Which, if any, of the following did you receive to help you get started with the food scraps composting program?**  
 (Based on those who answered that their household was part of the pilot in Q5. Multiple answers accepted.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Kitchen pail	183 92%	48 96%	43 86%	45 90%	47 96%	103 90%	78 94%	86 91%	91 92%	95 96%	56 92%	6 75%	26 84%	62 94%	183 92%	0 0%
Letter from City of Portland & garbage hauler	167 84%	42 84%	40 80%	45 90%	40 82%	95 83%	71 86%	78 83%	83 84%	85 86%	52 85%	5 63%	25 81%	57 86%	167 84%	0 0%
New collection schedule	166 83%	45 90%	38 76%	42 84%	41 84%	91 80%	74 89%	79 84%	82 83%	85 86%	54 89%	6 75%	21 68%	55 83%	166 83%	0 0%
Brochure and poster	165 83%	43 86%	40 80%	41 82%	41 84%	89 78%	75 90%	78 83%	82 83%	88 89%	52 85%	4 50%	21 68%	55 83%	165 83%	0 0%
Refrigerator magnet	133 67%	28 56%	34 68%	34 68%	37 76%	64 56%	68 82%	63 67%	67 68%	77 78%	42 69%	3 38%	11 35%	37 56%	133 67%	0 0%
Information left on garbage container	126 63%	31 62%	32 64%	31 62%	32 65%	69 61%	56 67%	53 56%	69 70%	70 71%	43 70%	2 25%	11 35%	35 53%	126 63%	0 0%
Home visit	49 25%	14 28%	11 22%	16 32%	8 16%	27 24%	21 25%	17 18%	30 30%	26 26%	16 26%	0 0%	7 23%	23 35%	49 25%	0 0%
Newspaper, television, or radio	38 19%	7 14%	12 24%	10 20%	9 18%	21 18%	17 20%	18 19%	19 19%	19 19%	16 26%	0 0%	3 10%	16 24%	38 19%	0 0%
Neighborhood association	28 14%	1 2%	3 6%	14 28%	10 20%	13 11%	15 18%	11 12%	16 16%	17 17%	8 13%	1 13%	2 6%	13 20%	28 14%	0 0%
None/don't recall	4 2%	1 2%	3 6%	0 0%	0 0%	2 2%	2 2%	3 3%	1 1%	0 0%	1 2%	1 13%	2 6%	0 0%	4 2%	0 0%

**11. How useful were the materials provided in getting your household started with the food scraps composting program? Were they very useful, somewhat useful, or not useful at all?**

(Based on those who recalled receiving materials in Q10.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	183	48	43	45	47	103	78	86	91	95	56	6	26	62	183	0
Very useful	114 62%	30 63%	26 60%	32 71%	26 55%	48 47%	65 83%	52 60%	58 64%	74 78%	31 55%	3 50%	6 23%	41 66%	114 62%	0 0%
Somewhat useful	49 27%	13 27%	13 30%	7 16%	16 34%	36 35%	12 15%	23 27%	25 27%	18 19%	21 38%	1 17%	9 35%	10 16%	49 27%	0 0%
Not useful	19 10%	5 10%	4 9%	5 11%	5 11%	18 17%	1 1%	11 13%	7 8%	3 3%	4 7%	2 33%	10 38%	10 16%	19 10%	0 0%
Don't know	1 1%	0 0%	0 0%	1 2%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	0 0%	0 0%	1 4%	1 2%	1 1%	0 0%

12. Which, if any, of the following do you typically use to keep your kitchen pail and/or the green yard debris roll cart clean?  
 (Based on those who recalled receiving kitchen pail in Q10. Multiple answers accepted.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	183	48	43	45	47	103	78	86	91	95	56	6	26	62	183	0
Rinsing or washing	142 78%	36 75%	37 86%	36 80%	33 70%	76 74%	65 83%	67 78%	71 78%	83 87%	45 80%	2 33%	12 46%	50 81%	142 78%	0 0%
Newspaper or paper bags	47 26%	12 25%	15 35%	9 20%	11 23%	25 24%	21 27%	22 26%	24 26%	25 26%	19 34%	1 17%	2 8%	14 23%	47 26%	0 0%
Approved compostable bags	18 10%	5 10%	6 14%	5 11%	2 4%	6 6%	12 15%	6 7%	12 13%	8 8%	9 16%	0 0%	1 4%	4 6%	18 10%	0 0%
None, don't use anything to clean pail or roll cart	30 16%	10 21%	3 7%	6 13%	11 23%	21 20%	8 10%	14 16%	15 16%	9 9%	6 11%	4 67%	11 42%	7 11%	30 16%	0 0%
Don't know/refused	3 2%	1 2%	0 0%	2 4%	0 0%	3 3%	0 0%	2 2%	0 0%	0 0%	0 0%	0 0%	3 12%	2 3%	3 2%	0 0%

City of Portland BPS Food Scraps Collection Post-Program Pilot Survey

Set 1: Attitudes

13. What, if anything, would you change about the food scraps composting program?

(Based on those who answered that their household was part of the pilot in Q5. Multiple answers accepted.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
												MON	NONE			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Nothing, neutral	68 34%	11 22%	22 44%	19 38%	16 33%	38 33%	28 34%	30 32%	35 35%	38 38%	18 30%	1 13%	11 35%	22 33%	68 34%	0 0%
Like, general Comments	23 12%	5 10%	6 12%	8 16%	4 8%	2 2%	21 25%	13 14%	9 9%	12 12%	9 15%	2 25%	0 0%	8 12%	23 12%	0 0%
Want garbage service every week	21 11%	7 14%	5 10%	4 8%	5 10%	18 16%	3 4%	10 11%	11 11%	10 10%	8 13%	1 13%	2 6%	7 11%	21 11%	0 0%
Concerns about pail Design	18 9%	3 6%	2 4%	8 16%	5 10%	7 6%	11 13%	8 9%	10 10%	11 11%	4 7%	1 13%	2 6%	7 11%	18 9%	0 0%
Concerns about smell	11 6%	4 8%	3 6%	1 2%	3 6%	7 6%	4 5%	5 5%	6 6%	7 7%	4 7%	0 0%	0 0%	5 8%	11 6%	0 0%
Concerns about use of yard debris cart	11 6%	5 10%	1 2%	4 8%	1 2%	8 7%	3 4%	3 3%	7 7%	5 5%	4 7%	0 0%	2 6%	4 6%	11 6%	0 0%
Nothing, negative. Stop program	10 5%	6 12%	1 2%	0 0%	3 6%	10 9%	0 0%	3 3%	7 7%	1 1%	4 7%	0 0%	5 16%	2 3%	10 5%	0 0%
Concerns about fruit flies, other inserts	9 5%	1 2%	3 6%	1 2%	4 8%	5 4%	4 5%	7 7%	2 2%	4 4%	5 8%	0 0%	0 0%	3 5%	9 5%	0 0%
Concerns about bags	8 4%	1 2%	4 8%	0 0%	3 6%	6 5%	2 2%	7 7%	1 1%	6 6%	2 3%	0 0%	0 0%	1 2%	8 4%	0 0%
Concerns about cleanliness	7 4%	2 4%	1 2%	1 2%	3 6%	3 3%	4 5%	2 2%	5 5%	5 5%	2 3%	0 0%	0 0%	1 2%	7 4%	0 0%
Want recycling every week	5 3%	3 6%	1 2%	1 2%	0 0%	5 4%	0 0%	0 0%	5 5%	2 2%	2 3%	0 0%	1 3%	0 0%	5 3%	0 0%
Worried about winter	5 3%	1 2%	3 6%	0 0%	1 2%	3 3%	2 2%	1 1%	4 4%	2 2%	3 5%	0 0%	0 0%	3 5%	5 3%	0 0%

City of Portland BPS Food Scraps Collection Post-Program Pilot Survey

Set 1: Attitudes

13. What, if anything, would you change about the food scraps composting program? (Cont.)

(Based on those who answered that their household was part of the pilot in Q5. Multiple answers accepted.)

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Don't use	4 2%	1 2%	0 0%	3 6%	0 0%	2 2%	2 2%	2 2%	2 2%	0 0%	0 0%	0 0%	4 13%	3 5%	4 2%	0 0%
Don't collect every week	4 2%	3 6%	0 0%	0 0%	1 2%	4 4%	0 0%	1 1%	3 3%	1 1%	2 3%	1 13%	0 0%	1 2%	4 2%	0 0%
Make program voluntary	3 2%	0 0%	0 0%	2 4%	1 2%	3 3%	0 0%	1 1%	1 1%	0 0%	0 0%	2 25%	1 3%	1 2%	3 2%	0 0%
Reduce cost	3 2%	0 0%	2 4%	0 0%	1 2%	2 2%	1 1%	3 3%	0 0%	1 1%	1 2%	0 0%	1 3%	0 0%	3 2%	0 0%
Nothing, positive	3 2%	1 2%	0 0%	2 4%	0 0%	0 0%	3 4%	2 2%	1 1%	3 3%	0 0%	0 0%	0 0%	2 3%	3 2%	0 0%
Provide more information, updates	3 2%	0 0%	2 4%	0 0%	1 2%	1 1%	2 2%	2 2%	1 1%	2 2%	1 2%	0 0%	0 0%	2 3%	3 2%	0 0%
Concerns about rats, other animals	3 2%	1 2%	0 0%	1 2%	1 2%	3 3%	0 0%	2 2%	1 1%	0 0%	1 2%	0 0%	2 6%	1 2%	3 2%	0 0%
Others	6 3%	1 2%	1 2%	1 2%	3 6%	5 4%	1 1%	5 5%	1 1%	3 3%	1 2%	1 13%	1 3%	1 2%	6 3%	0 0%
Don't know	2 1%	2 4%	0 0%	0 0%	0 0%	2 2%	0 0%	1 1%	1 1%	1 1%	0 0%	0 0%	1 3%	0 0%	2 1%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

a. Collecting food scraps results in an unpleasant odor in the kitchen pail and/or the green yard debris roll cart.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
			SE	IN								SE	MON			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	41 21%	13 26%	10 20%	15 30%	3 6%	14 12%	27 33%	20 21%	18 18%	21 21%	13 21%	3 38%	4 13%	14 21%	41 21%	0 0%
Somewhat disagree	29 15%	6 12%	6 12%	9 18%	8 16%	12 11%	17 20%	11 12%	18 18%	20 20%	7 11%	1 13%	1 3%	6 9%	29 15%	0 0%
Somewhat agree	43 22%	9 18%	16 32%	9 18%	9 18%	20 18%	23 28%	19 20%	22 22%	25 25%	15 25%	2 25%	1 3%	17 26%	43 22%	0 0%
Strongly agree	79 40%	22 44%	16 32%	13 26%	28 57%	64 56%	13 16%	41 44%	38 38%	31 31%	25 41%	2 25%	21 68%	25 38%	79 40%	0 0%
Don't know	7 4%	0 0%	2 4%	4 8%	1 2%	4 4%	3 4%	3 3%	3 3%	2 2%	1 2%	0 0%	4 13%	4 6%	7 4%	0 0%



14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.

(Based on those who answered that their household was part of the pilot in Q5.)

b. Collecting food scraps creates an unsanitary environment where fruit flies and other small insects can breed in the kitchen pail and/or the green yard debris roll cart.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT	IN SE	CEN	NOT	VERY	2 WK	DAILY	1 WK	FEW	NONE	COM POST	In	Out	
			SE		NE	MON										
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	47 24%	13 26%	10 20%	18 36%	6 12%	19 17%	28 34%	19 20%	23 23%	26 26%	13 21%	4 50%	4 13%	21 32%	47 24%	0 0%
Somewhat disagree	42 21%	13 26%	8 16%	14 28%	7 14%	13 11%	28 34%	22 23%	20 20%	26 26%	13 21%	0 0%	3 10%	10 15%	42 21%	0 0%
Somewhat agree	35 18%	6 12%	14 28%	5 10%	10 20%	19 17%	16 19%	16 17%	19 19%	18 18%	13 21%	2 25%	2 6%	12 18%	35 18%	0 0%
Strongly agree	73 37%	18 36%	17 34%	13 26%	25 51%	62 54%	10 12%	36 38%	36 36%	28 28%	21 34%	2 25%	22 71%	22 33%	73 37%	0 0%
Don't know	2 1%	0 0%	1 2%	0 0%	1 2%	1 1%	1 1%	1 1%	1 1%	1 1%	1 2%	0 0%	0 0%	1 2%	2 1%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

c. Collecting food scraps and taking them out to the green yard debris roll cart is a new task I simply don't have time for.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	126 63%	29 58%	34 68%	33 66%	30 61%	55 48%	69 83%	60 64%	61 62%	69 70%	42 69%	5 63%	10 32%	43 65%	126 63%	0 0%
Somewhat disagree	30 15%	7 14%	7 14%	9 18%	7 14%	23 20%	7 8%	13 14%	17 17%	19 19%	6 10%	1 13%	4 13%	10 15%	30 15%	0 0%
Somewhat agree	11 6%	3 6%	4 8%	3 6%	1 2%	9 8%	2 2%	4 4%	7 7%	5 5%	4 7%	0 0%	2 6%	2 3%	11 6%	0 0%
Strongly agree	29 15%	10 20%	5 10%	4 8%	10 20%	25 22%	4 5%	16 17%	12 12%	5 5%	9 15%	2 25%	13 42%	10 15%	29 15%	0 0%
Don't know	3 2%	1 2%	0 0%	1 2%	1 2%	2 2%	1 1%	1 1%	2 2%	1 1%	0 0%	0 0%	2 6%	1 2%	3 2%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

d. The approved compostable bags that can be used to line the kitchen pail are too expensive to use.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		OUT		CEN		NOT	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
		SW	SE	IN SE	NE	VERY						MON	NONE			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	12 6%	5 10%	4 8%	3 6%	0 0%	4 4%	8 10%	1 1%	11 11%	8 8%	2 3%	1 13%	1 3%	4 6%	12 6%	0 0%
Somewhat disagree	19 10%	4 8%	4 8%	7 14%	4 8%	6 5%	13 16%	10 11%	6 6%	10 10%	9 15%	0 0%	0 0%	5 8%	19 10%	0 0%
Somewhat agree	19 10%	5 10%	6 12%	2 4%	6 12%	11 10%	8 10%	10 11%	9 9%	11 11%	5 8%	0 0%	3 10%	6 9%	19 10%	0 0%
Strongly agree	37 19%	8 16%	10 20%	5 10%	14 29%	28 25%	9 11%	20 21%	17 17%	17 17%	10 16%	2 25%	8 26%	14 21%	37 19%	0 0%
Don't know	112 56%	28 56%	26 52%	33 66%	25 51%	65 57%	45 54%	53 56%	56 57%	53 54%	35 57%	5 63%	19 61%	37 56%	112 56%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

e. It is difficult to keep the green yard debris roll cart clean if I use it for food scraps.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	FEW			COM POST	In	Out
			SE	IN							SE	MON	NONE			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	36 18%	14 28%	8 16%	9 18%	5 10%	14 12%	22 27%	18 19%	16 16%	20 20%	10 16%	3 38%	3 10%	14 21%	36 18%	0 0%
Somewhat disagree	39 20%	10 20%	6 12%	14 28%	9 18%	19 17%	20 24%	18 19%	19 19%	21 21%	14 23%	1 13%	3 10%	12 18%	39 20%	0 0%
Somewhat agree	41 21%	6 12%	16 32%	13 26%	6 12%	20 18%	21 25%	19 20%	21 21%	22 22%	16 26%	1 13%	2 6%	11 17%	41 21%	0 0%
Strongly agree	76 38%	18 36%	18 36%	12 24%	28 57%	55 48%	19 23%	38 40%	38 38%	36 36%	20 33%	3 38%	17 55%	26 39%	76 38%	0 0%
Don't know	7 4%	2 4%	2 4%	2 4%	1 2%	6 5%	1 1%	1 1%	5 5%	0 0%	1 2%	0 0%	6 19%	3 5%	7 4%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

f. Having garbage pickup every two weeks has been a major problem for our household.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	FEW			COM POST	In	Out
			SE	IN							SE	MON	NONE			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	67 34%	15 30%	16 32%	26 52%	10 20%	19 17%	48 58%	31 33%	32 32%	41 41%	18 30%	3 38%	5 16%	23 35%	67 34%	0 0%
Somewhat disagree	41 21%	9 18%	8 16%	8 16%	16 33%	16 14%	23 28%	19 20%	21 21%	22 22%	15 25%	1 13%	3 10%	11 17%	41 21%	0 0%
Somewhat agree	28 14%	12 24%	8 16%	5 10%	3 6%	23 20%	5 6%	13 14%	15 15%	15 15%	8 13%	2 25%	3 10%	10 15%	28 14%	0 0%
Strongly agree	61 31%	13 26%	18 36%	11 22%	19 39%	56 49%	5 6%	30 32%	30 30%	19 19%	20 33%	2 25%	20 65%	21 32%	61 31%	0 0%
Don't know	2 1%	1 2%	0 0%	0 0%	1 2%	0 0%	2 2%	1 1%	1 1%	2 2%	0 0%	0 0%	0 0%	1 2%	2 1%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

**g. I should be paying less for my garbage and recycling because I feel that I am getting less service.**

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
			SE	IN								SE	MON			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	24 12%	3 6%	6 12%	11 22%	4 8%	7 6%	17 20%	14 15%	9 9%	14 14%	7 11%	1 13%	2 6%	5 8%	24 12%	0 0%
Somewhat disagree	60 30%	17 34%	13 26%	18 36%	12 24%	20 18%	39 47%	31 33%	26 26%	36 36%	20 33%	1 13%	3 10%	21 32%	60 30%	0 0%
Somewhat agree	31 16%	10 20%	6 12%	7 14%	8 16%	21 18%	10 12%	11 12%	20 20%	17 17%	9 15%	1 13%	4 13%	11 17%	31 16%	0 0%
Strongly agree	76 38%	17 34%	25 50%	13 26%	21 43%	64 56%	12 14%	35 37%	39 39%	27 27%	24 39%	5 63%	20 65%	27 41%	76 38%	0 0%
Don't know	8 4%	3 6%	0 0%	1 2%	4 8%	2 2%	5 6%	3 3%	5 5%	5 5%	1 2%	0 0%	2 6%	2 3%	8 4%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Asked of those who answered bi-weekly recycling pickup in Q6.)

**h. Having recycling pickup every two weeks has been a major problem for our household.**

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM POST	In	Out
			SE	IN								SE	MON			
Total	99	36	20	33	10	56	43	0	99	52	33	3	11	28	99	0
Strongly disagree	32 32%	10 28%	5 25%	14 42%	3 30%	11 20%	21 49%	0 0%	32 32%	17 33%	12 36%	1 33%	2 18%	12 43%	32 32%	0 0%
Somewhat disagree	19 19%	6 17%	4 20%	6 18%	3 30%	8 14%	11 26%	0 0%	19 19%	10 19%	6 18%	2 67%	1 9%	7 25%	19 19%	0 0%
Somewhat agree	19 19%	8 22%	1 5%	9 27%	1 10%	13 23%	6 14%	0 0%	19 19%	11 21%	5 15%	0 0%	3 27%	4 14%	19 19%	0 0%
Strongly agree	26 26%	12 33%	7 35%	4 12%	3 30%	22 39%	4 9%	0 0%	26 26%	11 21%	10 30%	0 0%	5 45%	5 18%	26 26%	0 0%
Don't know	3 3%	0 0%	3 15%	0 0%	0 0%	2 4%	1 2%	0 0%	3 3%	3 6%	0 0%	0 0%	0 0%	0 0%	3 3%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

i. Because I already compost in my backyard, the food scraps composting program does not benefit me.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		OUT		CEN		NOT	2 WK	DAILY	1 WK	FEW		COM POST	In	Out		
		SW	SE	IN SE	NE	VERY				VERY	MON				NONE	
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	92 46%	18 36%	22 44%	25 50%	27 55%	46 40%	45 54%	45 48%	46 46%	48 48%	37 61%	4 50%	3 10%	15 23%	92 46%	0 0%
Somewhat disagree	41 21%	11 22%	8 16%	13 26%	9 18%	21 18%	20 24%	17 18%	22 22%	26 26%	8 13%	2 25%	5 16%	16 24%	41 21%	0 0%
Somewhat agree	19 10%	5 10%	5 10%	5 10%	4 8%	16 14%	3 4%	10 11%	8 8%	10 10%	6 10%	1 13%	2 6%	11 17%	19 10%	0 0%
Strongly agree	28 14%	8 16%	8 16%	4 8%	8 16%	23 20%	5 6%	16 17%	12 12%	5 5%	7 11%	1 13%	15 48%	20 30%	28 14%	0 0%
Don't know	19 10%	8 16%	7 14%	3 6%	1 2%	8 7%	10 12%	6 6%	11 11%	10 10%	3 5%	0 0%	6 19%	4 6%	19 10%	0 0%



14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

j. Collecting food scraps and placing them in my green yard debris roll cart helps me reduce my garbage.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT		CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	FEW			COM POST	In	Out
			SE	IN							SE	MON	NONE			
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	52 26%	14 28%	13 26%	13 26%	12 24%	45 39%	7 8%	25 27%	25 25%	17 17%	11 18%	4 50%	20 65%	18 27%	52 26%	0 0%
Somewhat disagree	16 8%	4 8%	3 6%	5 10%	4 8%	12 11%	4 5%	7 7%	9 9%	4 4%	8 13%	2 25%	2 6%	5 8%	16 8%	0 0%
Somewhat agree	37 19%	9 18%	13 26%	9 18%	6 12%	23 20%	14 17%	17 18%	20 20%	20 20%	15 25%	0 0%	2 6%	13 20%	37 19%	0 0%
Strongly agree	89 45%	20 40%	21 42%	23 46%	25 51%	30 26%	57 69%	41 44%	44 44%	55 56%	27 44%	2 25%	5 16%	26 39%	89 45%	0 0%
Don't know	5 3%	3 6%	0 0%	0 0%	2 4%	4 4%	1 1%	4 4%	1 1%	3 3%	0 0%	0 0%	2 6%	4 6%	5 3%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

k. Turning food scraps into compost is a good idea because compost is a valuable fertilizer for healthier gardens and farms.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		OUT		CEN		NOT	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM	In	Out
		SW	SE	IN SE	NE	VERY	VERY					MON	NONE	POST		
Total	199	50	50	50	49	114	83	94	99	99	61	8	31	66	199	0
Strongly disagree	8 4%	4 8%	1 2%	1 2%	2 4%	7 6%	1 1%	5 5%	3 3%	1 1%	2 3%	0 0%	5 16%	1 2%	8 4%	0 0%
Somewhat disagree	5 3%	1 2%	2 4%	1 2%	1 2%	5 4%	0 0%	3 3%	1 1%	0 0%	2 3%	1 13%	2 6%	1 2%	5 3%	0 0%
Somewhat agree	31 16%	7 14%	6 12%	11 22%	7 14%	26 23%	5 6%	10 11%	20 20%	11 11%	14 23%	1 13%	5 16%	8 12%	31 16%	0 0%
Strongly agree	150 75%	35 70%	40 80%	36 72%	39 80%	73 64%	75 90%	74 79%	72 73%	84 85%	43 70%	6 75%	17 55%	55 83%	150 75%	0 0%
Don't know	5 3%	3 6%	1 2%	1 2%	0 0%	3 3%	2 2%	2 2%	3 3%	3 3%	0 0%	0 0%	2 6%	1 2%	5 3%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who recalled receiving kitchen pail in Q10.)

I. The kitchen pail that was provided to my home is useful.

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		OUT		CEN		NOT	VERY	WKLY	2 WK	DAILY	1 WK	FEW		COM	In	Out
		SW	SE	IN SE	NE	VERY	VERY					MON	NONE	POST		
Total	183	48	43	45	47	103	78	86	91	95	56	6	26	62	183	0
Strongly disagree	48 26%	14 29%	9 21%	11 24%	14 30%	35 34%	13 17%	23 27%	24 26%	16 17%	13 23%	3 50%	16 62%	18 29%	48 26%	0 0%
Somewhat disagree	10 5%	0 0%	2 5%	4 9%	4 9%	6 6%	3 4%	6 7%	4 4%	4 4%	2 4%	0 0%	4 15%	6 10%	10 5%	0 0%
Somewhat agree	36 20%	10 21%	8 19%	8 18%	10 21%	26 25%	10 13%	16 19%	19 21%	20 21%	12 21%	1 17%	3 12%	12 19%	36 20%	0 0%
Strongly agree	88 48%	24 50%	24 56%	21 47%	19 40%	35 34%	52 67%	40 47%	44 48%	54 57%	29 52%	2 33%	3 12%	26 42%	88 48%	0 0%
Don't know	1 1%	0 0%	0 0%	1 2%	0 0%	1 1%	0 0%	1 1%	0 0%	1 1%	0 0%	0 0%	0 0%	0 0%	1 1%	0 0%

15. Does your household currently do any backyard composting of food scraps?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st COM POST	In program	
		SW	OUT	IN SE	CEN	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW	NONE		In	Out
			SE		NE							MON				
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Yes	66 33%	15 29%	18 36%	19 38%	14 28%	39 34%	27 32%	34 36%	28 28%	31 31%	18 30%	4 50%	13 42%	66 100%	66 33%	0 0%
No	135 67%	36 71%	32 64%	31 62%	36 72%	75 66%	57 68%	60 64%	71 72%	68 69%	43 70%	4 50%	18 58%	0 0%	133 67%	2 100%

16. How long have you lived in the City of Portland?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
2 years or less	3 1%	1 2%	0 0%	1 2%	1 2%	3 3%	0 0%	1 1%	2 2%	0 0%	3 5%	0 0%	0 0%	2 3%	3 2%	0 0%
3 to 5 years	16 8%	4 8%	4 8%	2 4%	6 12%	7 6%	9 11%	8 9%	7 7%	6 6%	5 8%	1 13%	4 13%	4 6%	16 8%	0 0%
6 to 10 years	21 10%	7 14%	1 2%	8 16%	5 10%	12 11%	9 11%	7 7%	14 14%	15 15%	5 8%	0 0%	1 3%	6 9%	21 11%	0 0%
11 to 20 years	46 23%	14 27%	10 20%	11 22%	11 22%	26 23%	18 21%	21 22%	22 22%	28 28%	11 18%	0 0%	7 23%	21 32%	46 23%	0 0%
21 to 30 years	20 10%	6 12%	4 8%	6 12%	4 8%	12 11%	8 10%	10 11%	9 9%	8 8%	6 10%	1 13%	4 13%	5 8%	19 10%	1 50%
31 to 40 years	33 16%	8 16%	12 24%	8 16%	5 10%	18 16%	15 18%	14 15%	18 18%	19 19%	8 13%	2 25%	4 13%	13 20%	33 17%	0 0%
41 to 50 years	27 13%	3 6%	8 16%	4 8%	12 24%	18 16%	8 10%	12 13%	13 13%	11 11%	9 15%	2 25%	4 13%	5 8%	26 13%	1 50%
Over 50 years	33 16%	7 14%	10 20%	10 20%	6 12%	17 15%	16 19%	21 22%	12 12%	11 11%	14 23%	2 25%	6 19%	10 15%	33 17%	0 0%
Refused	2 1%	1 2%	1 2%	0 0%	0 0%	1 1%	1 1%	0 0%	2 2%	1 1%	0 0%	0 0%	1 3%	0 0%	2 1%	0 0%
Mean	30.9	27.0	35.5	31.3	29.7	30.7	31.2	33.3	28.7	27.8	33.0	41.4	33.4	28.2	30.8	37.5
SD	20.3	20.8	18.7	21.7	19.8	19.9	21.2	21.6	19.3	18.1	22.1	20.8	22.9	19.2	20.4	17.7

17. Do you own or rent your home?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT	IN SE	CEN	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW	NONE	COM POST	In	Out
			SE		NE							MON				
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Own	197 98%	51 100%	50 100%	48 96%	48 96%	112 98%	82 98%	93 99%	96 97%	98 99%	59 97%	8 100%	30 97%	64 97%	195 98%	2 100%
Rent	4 2%	0 0%	0 0%	2 4%	2 4%	2 2%	2 2%	1 1%	3 3%	1 1%	2 3%	0 0%	1 3%	2 3%	4 2%	0 0%

18. What is your age, please?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT	IN SE	CEN	NOT	VERY	WKL	2 WK	DAILY	1 WK	FEW	NONE	COM POST	In	Out
			SE		NE	VERY						MON				
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
18 to 34	13 6%	0 0%	4 8%	3 6%	6 12%	9 8%	4 5%	9 10%	4 4%	5 5%	6 10%	0 0%	2 6%	4 6%	13 7%	0 0%
35 to 54	84 42%	19 37%	15 30%	24 48%	26 52%	45 39%	38 45%	40 43%	39 39%	46 46%	17 28%	5 63%	15 48%	34 52%	83 42%	1 50%
55 Plus	101 50%	31 61%	31 62%	23 46%	16 32%	58 51%	41 49%	43 46%	55 56%	47 47%	37 61%	3 38%	13 42%	28 42%	100 50%	1 50%
Refused	3 1%	1 2%	0 0%	0 0%	2 4%	2 2%	1 1%	2 2%	1 1%	1 1%	1 2%	0 0%	1 3%	0 0%	3 2%	0 0%
Mean	54.3	57.3	56.9	53.1	49.8	53.3	55.5	53.2	55.1	53.4	55.5	53.1	54.6	51.6	54.2	66.0
SD	13.7	11.8	13.7	13.9	14.4	13.5	13.9	14.0	13.4	13.0	15.3	13.1	13.1	12.0	13.7	19.8

19. How many people, including yourself, live in your household?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
1	30 15%	6 12%	8 16%	6 12%	10 20%	15 13%	15 18%	17 18%	10 10%	11 11%	7 11%	3 38%	9 29%	8 12%	30 15%	0 0%
2	84 42%	24 47%	24 48%	18 36%	18 36%	42 37%	40 48%	45 48%	36 36%	42 42%	29 48%	2 25%	10 32%	25 38%	83 42%	1 50%
3	41 20%	5 10%	11 22%	14 28%	11 22%	24 21%	17 20%	19 20%	21 21%	19 19%	14 23%	3 38%	5 16%	18 27%	41 21%	0 0%
4	30 15%	11 22%	4 8%	9 18%	6 12%	21 18%	9 11%	10 11%	20 20%	16 16%	9 15%	0 0%	5 16%	10 15%	30 15%	0 0%
5	9 4%	4 8%	0 0%	2 4%	3 6%	8 7%	1 1%	2 2%	7 7%	7 7%	0 0%	0 0%	2 6%	3 5%	9 5%	0 0%
6	1 0%	0 0%	1 2%	0 0%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	1 2%	0 0%	0 0%	0 0%	1 1%	0 0%
7	2 1%	0 0%	1 2%	1 2%	0 0%	1 1%	1 1%	1 1%	1 1%	2 2%	0 0%	0 0%	0 0%	1 2%	2 1%	0 0%
8	1 0%	1 2%	0 0%	0 0%	0 0%	1 1%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	0 0%	0 0%	1 1%	0 0%
10	1 0%	0 0%	1 2%	0 0%	0 0%	1 1%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	0 0%	1 2%	1 1%	0 0%
Refused	2 1%	0 0%	0 0%	0 0%	2 4%	0 0%	1 1%	0 0%	1 1%	0 0%	1 2%	0 0%	0 0%	0 0%	1 1%	1 50%
Mean	2.6	2.8	2.6	2.7	2.5	2.9	2.3	2.4	3.0	2.9	2.5	2.0	2.4	2.8	2.6	2.0
SD	1.3	1.4	1.6	1.2	1.1	1.5	1.1	1.1	1.5	1.5	1.0	0.9	1.3	1.5	1.3	0.0



20. What is the last year of education you had the opportunity to complete?

	TOTAL	Area of PDX				Current Sat.		Blue Cart		Frequency				Compo- st	In program	
		SW	OUT SE	IN SE	CEN NE	NOT VERY	VERY	WKLY	2 WK	DAILY	1 WK	FEW MON	NONE	COM POST	In	Out
Total	201	51	50	50	50	114	84	94	99	99	61	8	31	66	199	2
Not a high school graduate	2 1%	0 0%	2 4%	0 0%	0 0%	2 2%	0 0%	2 2%	0 0%	0 0%	1 2%	1 13%	0 0%	1 2%	2 1%	0 0%
High school graduate	25 12%	3 6%	10 20%	4 8%	8 16%	11 10%	13 15%	15 16%	7 7%	11 11%	9 15%	1 13%	3 10%	6 9%	24 12%	1 50%
Some college or other post-secondary education	58 29%	5 10%	29 58%	10 20%	14 28%	36 32%	22 26%	30 32%	28 28%	25 25%	19 31%	4 50%	10 32%	17 26%	58 29%	0 0%
College graduate	53 26%	20 39%	4 8%	14 28%	15 30%	29 25%	24 29%	22 23%	28 28%	27 27%	15 25%	2 25%	8 26%	19 29%	52 26%	1 50%
Some post-graduate	14 7%	3 6%	1 2%	7 14%	3 6%	9 8%	5 6%	6 6%	7 7%	6 6%	7 11%	0 0%	1 3%	5 8%	14 7%	0 0%
Master's degree or higher	47 23%	19 37%	4 8%	15 30%	9 18%	27 24%	19 23%	17 18%	29 29%	30 30%	9 15%	0 0%	8 26%	18 27%	47 24%	0 0%
Refused	2 1%	1 2%	0 0%	0 0%	1 2%	0 0%	1 1%	2 2%	0 0%	0 0%	1 2%	0 0%	1 3%	0 0%	2 1%	0 0%



**Post-Pilot Data Printout**

**Set 2 : Demographics**



Gender

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Male	73 36%	8 27%	28 33%	32 45%	5 36%	27 32%	45 39%	35 41%	38 34%	73 100%	0 0%	5 38%	36 43%	30 30%
Female	128 64%	22 73%	56 67%	39 55%	9 64%	58 68%	69 61%	51 59%	75 66%	0 0%	128 100%	8 62%	48 57%	71 70%

Sample quota

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Southwest	51 25%	6 20%	24 29%	16 23%	5 36%	8 9%	42 37%	26 30%	24 21%	18 25%	33 26%	0 0%	19 23%	31 31%
Outer SE	50 25%	8 27%	24 29%	15 21%	3 21%	41 48%	9 8%	15 17%	34 30%	12 16%	38 30%	4 31%	15 18%	31 31%
Inner SE	50 25%	6 20%	18 21%	23 32%	3 21%	14 16%	36 32%	22 26%	28 25%	20 27%	30 23%	3 23%	24 29%	23 23%
Central NE	50 25%	10 33%	18 21%	17 24%	3 21%	22 26%	27 24%	23 27%	27 24%	23 32%	27 21%	6 46%	26 31%	16 16%

2. First, which of the following best describes your home?

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Single-family residence	198 99%	30 100%	84 100%	69 97%	13 93%	84 99%	112 98%	85 99%	111 98%	72 99%	126 98%	13 100%	83 99%	99 98%
Duplex	3 1%	0 0%	0 0%	2 3%	1 7%	1 1%	2 2%	1 1%	2 2%	1 1%	2 2%	0 0%	1 1%	2 2%

**3. And just to confirm, are you the person in your household who is most responsible for your household’s garbage and recycling, do you share this responsibility, or is this someone else’s responsibility**

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Most responsible	137 68%	30 100%	50 60%	47 66%	8 57%	65 76%	71 62%	53 62%	82 73%	49 67%	88 69%	10 77%	53 63%	71 70%
Shares with others	64 32%	0 0%	34 40%	24 34%	6 43%	20 24%	43 38%	33 38%	31 27%	24 33%	40 31%	3 23%	31 37%	30 30%



4. First, the major elements of Portland’s current garbage and recycling system include the blue roll cart for recycling, the green yard debris roll cart, and your garbage container. Overall, how satisfied are you with Portland’s current garbage and recycling system? Would you say you are very, somewhat, or not satisfied at all with the current system?

	Household size					Education		Time in PDX		Gender		Age		
	TOTAL	1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Not satisfied	49 24%	4 13%	15 18%	26 37%	4 29%	21 25%	28 25%	18 21%	31 27%	15 21%	34 27%	4 31%	20 24%	24 24%
Somewhat satisfied	65 32%	11 37%	27 32%	19 27%	8 57%	28 33%	37 32%	30 35%	34 30%	32 44%	33 26%	5 38%	25 30%	34 34%
Very satisfied	84 42%	15 50%	40 48%	26 37%	2 14%	35 41%	48 42%	36 42%	47 42%	25 34%	59 46%	4 31%	38 45%	41 41%
Don't know	3 1%	0 0%	2 2%	0 0%	0 0%	1 1%	1 1%	2 2%	1 1%	1 1%	2 2%	0 0%	1 1%	2 2%

**5. During the last six months, garbage and recycling customers in several neighborhoods throughout Portland have been part of the food scraps composting pilot project. In addition to adding the capability to compost food scraps, this program triggered several other changes to the garbage and recycling system. Whether or not your household chose to compost food scraps, was your household part of the Portland Composts pilot project?**

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Part of Portland Composts project	199 99%	30 100%	83 99%	71 100%	14 100%	84 99%	113 99%	86 100%	111 98%	72 99%	127 99%	13 100%	83 99%	100 99%
No part of Portland Composts project	2 1%	0 0%	1 1%	0 0%	0 0%	1 1%	1 1%	0 0%	2 2%	1 1%	1 1%	0 0%	1 1%	1 1%

**6. In some pilot project households, how often the blue recycling roll cart can be put out changed from every week to every two weeks. How often is your household allowed to put out your blue recycling roll cart? Can you do this every week or has it been changed to every two weeks?**

(Based on those who answered that their household was part of the pilot in Q5.)

	Household size					Education		Time in PDX		Gender		Age		
	TOTAL	1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Every week	94 47%	17 57%	45 54%	29 41%	3 21%	47 56%	45 40%	37 43%	57 51%	36 50%	58 46%	9 69%	40 48%	43 43%
Every two weeks	99 50%	10 33%	36 43%	41 58%	11 79%	35 42%	64 57%	45 52%	52 47%	35 49%	64 50%	4 31%	39 47%	55 55%
Don't know	6 3%	3 10%	2 2%	1 1%	0 0%	2 2%	4 4%	4 5%	2 2%	1 1%	5 4%	0 0%	4 5%	2 2%

**7. Households in the food scraps composting pilot project neighborhoods can put household food scraps in their green yard debris roll cart and this cart is now picked up every week. How often does your household collect food scraps for your green yard debris roll cart? Do you collect household food scraps for the green roll cart...**

(Based on those who answered that their household was part of the pilot in Q5.)

	Household size					Education		Time in PDX		Gender		Age		
	TOTAL	1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
On a daily basis	99 50%	11 37%	42 51%	35 49%	11 79%	36 43%	63 56%	49 57%	49 44%	34 47%	65 51%	5 38%	46 55%	47 47%
At least once a week	61 31%	7 23%	29 35%	23 32%	1 7%	29 35%	31 27%	24 28%	37 33%	21 29%	40 31%	6 46%	17 20%	37 37%
A few times a month	8 4%	3 10%	2 2%	3 4%	0 0%	6 7%	2 2%	1 1%	7 6%	3 4%	5 4%	0 0%	5 6%	3 3%
Seldom or never	27 14%	7 23%	8 10%	10 14%	2 14%	11 13%	15 13%	12 14%	15 14%	13 18%	14 11%	2 15%	15 18%	9 9%
Don't know	4 2%	2 7%	2 2%	0 0%	0 0%	2 2%	2 2%	0 0%	3 3%	1 1%	3 2%	0 0%	0 0%	4 4%

**8. And when your household collects food scraps for the green yard debris roll cart, are these food scraps coming from food preparation, plate scrapings after the meal, or both?**

(Based on those who answered that they compost food scraps at least a few times a month in Q7.)

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	168	21	73	61	12	71	96	74	93	58	110	11	68	87
Food scraps from food preparation	13 8%	1 5%	5 7%	7 11%	0 0%	4 6%	9 9%	6 8%	7 8%	2 3%	11 10%	1 9%	3 4%	9 10%
Plate scrapings after meal	5 3%	2 10%	1 1%	2 3%	0 0%	4 6%	1 1%	1 1%	4 4%	2 3%	3 3%	0 0%	3 4%	2 2%
Both	147 88%	18 86%	65 89%	51 84%	12 100%	62 87%	84 88%	67 91%	79 85%	54 93%	93 85%	10 91%	62 91%	73 84%
Refused/don't know	3 2%	0 0%	2 3%	1 2%	0 0%	1 1%	2 2%	0 0%	3 3%	0 0%	3 3%	0 0%	0 0%	3 3%

**9a. Which, if any, of the following types of food scraps do you collect for your green yard debris roll cart?**

(Asked of those who answered that they collect food scraps at least a few times a month in Q7.)

**9b. Based on your understanding of the food scraps composting program, which, if any, of the following types of food scraps are households now able to put in their green yard debris roll cart?**

(Asked of those who answered that they collect food scraps seldom or never or don't know in Q7.)

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Fruits and vegetables	180 90%	29 97%	68 82%	68 96%	14 100%	77 92%	102 90%	77 90%	101 91%	67 93%	113 89%	13 100%	74 89%	90 90%
Bread, pasta, and other grains	165 83%	22 73%	70 84%	60 85%	12 86%	68 81%	96 85%	72 84%	92 83%	60 83%	105 83%	10 77%	68 82%	84 84%
Meat and poultry	158 79%	22 73%	70 84%	55 77%	10 71%	69 82%	88 78%	68 79%	89 80%	56 78%	102 80%	7 54%	67 81%	81 81%
Food-soiled paper, such as pizza boxes	137 69%	18 60%	49 59%	57 80%	12 86%	58 69%	79 70%	62 72%	74 67%	53 74%	84 66%	8 62%	65 78%	61 61%
Dairy	127 64%	15 50%	52 63%	49 69%	10 71%	46 55%	80 71%	58 67%	69 62%	44 61%	83 65%	7 54%	52 63%	65 65%
Seafood, including shell fish	114 57%	16 53%	51 61%	35 49%	11 79%	44 52%	69 61%	52 60%	61 55%	43 60%	71 56%	5 38%	50 60%	57 57%
None of the above	6 3%	0 0%	5 6%	1 1%	0 0%	3 4%	2 2%	1 1%	5 5%	2 3%	4 3%	0 0%	2 2%	4 4%
Don't know/refused	1 1%	0 0%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%	1 1%	0 0%	0 0%	1 1%

**10. Which, if any, of the following did you receive to help you get started with the food scraps composting program?**  
 (Based on those who answered that their household was part of the pilot in Q5. Multiple answers accepted.)

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Kitchen pail	183 92%	27 90%	79 95%	63 89%	13 93%	76 90%	105 93%	79 92%	102 92%	63 88%	120 94%	9 69%	78 94%	94 94%
Letter from City of Portland & garbage hauler	167 84%	24 80%	73 88%	57 80%	12 86%	70 83%	96 85%	70 81%	95 86%	60 83%	107 84%	10 77%	73 88%	81 81%
New collection schedule	166 83%	27 90%	70 84%	56 79%	12 86%	69 82%	96 85%	73 85%	91 82%	57 79%	109 86%	7 54%	74 89%	83 83%
Brochure and poster	165 83%	25 83%	70 84%	57 80%	12 86%	68 81%	96 85%	72 84%	91 82%	58 81%	107 84%	12 92%	69 83%	82 82%
Refrigerator magnet	133 67%	19 63%	60 72%	42 59%	11 79%	61 73%	72 64%	55 64%	77 69%	43 60%	90 71%	8 62%	56 67%	67 67%
Information left on garbage container	126 63%	16 53%	49 59%	49 69%	11 79%	54 64%	71 63%	54 63%	71 64%	44 61%	82 65%	7 54%	58 70%	60 60%
Home visit	49 25%	5 17%	19 23%	22 31%	3 21%	19 23%	30 27%	26 30%	23 21%	19 26%	30 24%	3 23%	22 27%	23 23%
Newspaper, television, or radio	38 19%	4 13%	19 23%	13 18%	1 7%	15 18%	23 20%	17 20%	21 19%	13 18%	25 20%	4 31%	15 18%	18 18%
Neighborhood association	28 14%	2 7%	8 10%	17 24%	1 7%	9 11%	19 17%	14 16%	14 13%	13 18%	15 12%	2 15%	16 19%	10 10%
None/don't recall	4 2%	1 3%	1 1%	2 3%	0 0%	2 2%	2 2%	2 2%	2 2%	2 3%	2 2%	1 8%	1 1%	2 2%

**11. How useful were the materials provided in getting your household started with the food scraps composting program? Were they very useful, somewhat useful, or not useful at all?**

(Based on those who recalled receiving materials in Q10.)

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	183	27	79	63	13	76	105	79	102	63	120	9	78	94
Very useful	114 62%	17 63%	51 65%	38 60%	8 62%	48 63%	65 62%	51 65%	61 60%	40 63%	74 62%	5 56%	49 63%	59 63%
Somewhat useful	49 27%	8 30%	21 27%	14 22%	5 38%	22 29%	26 25%	23 29%	26 25%	16 25%	33 28%	3 33%	20 26%	25 27%
Not useful	19 10%	2 7%	7 9%	10 16%	0 0%	6 8%	13 12%	5 6%	14 14%	6 10%	13 11%	1 11%	8 10%	10 11%
Don't know	1 1%	0 0%	0 0%	1 2%	0 0%	0 0%	1 1%	0 0%	1 1%	1 2%	0 0%	0 0%	1 1%	0 0%



**12. Which, if any, of the following do you typically use to keep your kitchen pail and/or the green yard debris roll cart clean?**  
 (Based on those who recalled receiving kitchen pail in Q10. Multiple answers accepted.)

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	183	27	79	63	13	76	105	79	102	63	120	9	78	94
Rinsing or washing	142 78%	21 78%	62 78%	48 76%	11 85%	62 82%	79 75%	65 82%	76 75%	49 78%	93 78%	9 100%	58 74%	74 79%
Newspaper or paper bags	47 26%	6 22%	25 32%	12 19%	4 31%	23 30%	24 23%	17 22%	29 28%	16 25%	31 26%	4 44%	18 23%	25 27%
Approved compostable bags	18 10%	2 7%	9 11%	6 10%	1 8%	7 9%	10 10%	5 6%	13 13%	7 11%	11 9%	1 11%	4 5%	13 14%
None, don't use anything to clean pail or roll cart	30 16%	6 22%	10 13%	12 19%	2 15%	10 13%	19 18%	11 14%	18 18%	11 17%	19 16%	0 0%	14 18%	16 17%
Don't know/refused	3 2%	0 0%	2 3%	1 2%	0 0%	0 0%	3 3%	1 1%	2 2%	0 0%	3 3%	0 0%	3 4%	0 0%

**13. What, if anything, would you change about the food scraps composting program?**

(Based on those who answered that their household was part of the pilot in Q5. Multiple answers accepted.)

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Nothing, neutral	68 34%	13 43%	24 29%	26 37%	5 36%	32 38%	35 31%	31 36%	36 32%	23 32%	45 35%	3 23%	37 45%	27 27%
Like, general comments	23 12%	5 17%	12 14%	5 7%	1 7%	6 7%	16 14%	13 15%	10 9%	5 7%	18 14%	2 15%	9 11%	12 12%
Want garbage service every week	21 11%	0 0%	10 12%	9 13%	1 7%	9 11%	12 11%	7 8%	14 13%	12 17%	9 7%	3 23%	3 4%	13 13%
Concerns about pail design	18 9%	1 3%	8 10%	8 11%	1 7%	7 8%	11 10%	7 8%	11 10%	10 14%	8 6%	1 8%	7 8%	10 10%
Concerns about smell	11 6%	1 3%	3 4%	4 6%	3 21%	5 6%	6 5%	8 9%	3 3%	3 4%	8 6%	1 8%	5 6%	5 5%
Concerns about use of yard debris cart	11 6%	2 7%	5 6%	4 6%	0 0%	4 5%	7 6%	5 6%	6 5%	4 6%	7 6%	0 0%	1 1%	10 10%
Nothing, negative. Stop program	10 5%	1 3%	5 6%	4 6%	0 0%	3 4%	7 6%	2 2%	7 6%	1 1%	9 7%	0 0%	2 2%	8 8%
Concerns about fruit flies, other inserts	9 5%	0 0%	3 4%	4 6%	2 14%	5 6%	4 4%	4 5%	5 5%	5 7%	4 3%	1 8%	5 6%	3 3%
Concerns about bags	8 4%	0 0%	5 6%	3 4%	0 0%	4 5%	4 4%	2 2%	6 5%	2 3%	6 5%	0 0%	2 2%	6 6%
Concerns about cleanliness	7 4%	0 0%	4 5%	3 4%	0 0%	1 1%	6 5%	4 5%	3 3%	3 4%	4 3%	1 8%	4 5%	2 2%
Worried about winter	5 3%	1 3%	4 5%	0 0%	0 0%	5 6%	0 0%	1 1%	4 4%	2 3%	3 2%	0 0%	0 0%	5 5%
Want recycling every week	5 3%	0 0%	1 1%	3 4%	1 7%	1 1%	4 4%	4 5%	1 1%	3 4%	2 2%	1 8%	2 2%	2 2%

13. What, if anything, would you change about the food scraps composting program? (Cont.)

(Based on those who answered that their household was part of the pilot in Q5. Multiple answers accepted.)

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Don't use	4 2%	1 3%	2 2%	1 1%	0 0%	2 2%	2 2%	0 0%	4 4%	2 3%	2 2%	0 0%	2 2%	2 2%
Don't collect every week	4 2%	1 3%	1 1%	2 3%	0 0%	1 1%	3 3%	3 3%	1 1%	2 3%	2 2%	0 0%	2 2%	2 2%
Make program voluntary	3 2%	1 3%	1 1%	1 1%	0 0%	1 1%	2 2%	1 1%	2 2%	1 1%	2 2%	0 0%	2 2%	1 1%
Reduce cost	3 2%	1 3%	1 1%	1 1%	0 0%	2 2%	1 1%	1 1%	2 2%	1 1%	2 2%	1 8%	1 1%	1 1%
Nothing, positive	3 2%	0 0%	3 4%	0 0%	0 0%	1 1%	2 2%	1 1%	2 2%	1 1%	2 2%	0 0%	1 1%	2 2%
Provide more information, updates	3 2%	1 3%	1 1%	1 1%	0 0%	1 1%	2 2%	3 3%	0 0%	0 0%	3 2%	1 8%	2 2%	0 0%
Concerns about rats, other animals	3 2%	0 0%	3 4%	0 0%	0 0%	2 2%	1 1%	0 0%	3 3%	0 0%	3 2%	0 0%	2 2%	1 1%
Others	6 3%	1 3%	1 1%	2 3%	2 14%	2 2%	4 4%	2 2%	4 4%	2 3%	4 3%	0 0%	4 5%	2 2%
Don't know	2 1%	1 3%	0 0%	0 0%	1 7%	1 1%	1 1%	0 0%	2 2%	0 0%	2 2%	0 0%	1 1%	1 1%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

a. Collecting food scraps results in an unpleasant odor in the kitchen pail and/or the green yard debris roll cart.

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	41 21%	11 37%	24 29%	6 8%	0 0%	15 18%	25 22%	17 20%	24 22%	8 11%	33 26%	1 8%	12 14%	28 28%
Somewhat disagree	29 15%	3 10%	11 13%	14 20%	1 7%	14 17%	15 13%	14 16%	15 14%	15 21%	14 11%	2 15%	12 14%	13 13%
Somewhat agree	43 22%	4 13%	22 27%	15 21%	1 7%	18 21%	25 22%	18 21%	24 22%	18 25%	25 20%	4 31%	18 22%	20 20%
Strongly agree	79 40%	11 37%	24 29%	32 45%	12 86%	34 40%	44 39%	34 40%	44 40%	27 38%	52 41%	6 46%	37 45%	36 36%
Don't know	7 4%	1 3%	2 2%	4 6%	0 0%	3 4%	4 4%	3 3%	4 4%	4 6%	3 2%	0 0%	4 5%	3 3%

**14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.**

(Based on those who answered that their household was part of the pilot in Q5.)

**b. Collecting food scraps creates an unsanitary environment where fruit flies and other small insects can breed in the kitchen pail and/or the green yard debris roll cart.**

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	47 24%	10 33%	22 27%	15 21%	0 0%	17 20%	30 27%	22 26%	25 23%	16 22%	31 24%	1 8%	20 24%	26 26%
Somewhat disagree	42 21%	7 23%	22 27%	11 15%	2 14%	16 19%	25 22%	18 21%	24 22%	17 24%	25 20%	4 31%	14 17%	23 23%
Somewhat agree	35 18%	4 13%	14 17%	14 20%	2 14%	19 23%	16 14%	14 16%	20 18%	12 17%	23 18%	3 23%	15 18%	16 16%
Strongly agree	73 37%	9 30%	24 29%	30 42%	10 71%	31 37%	41 36%	31 36%	41 37%	26 36%	47 37%	5 38%	33 40%	34 34%
Don't know	2 1%	0 0%	1 1%	1 1%	0 0%	1 1%	1 1%	1 1%	1 1%	1 1%	1 1%	0 0%	1 1%	1 1%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

c. Collecting food scraps and taking them out to the green yard debris roll cart is a new task I simply don't have time for.

	Household size					Education		Time in PDX		Gender		Age		
	TOTAL	1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	126 63%	20 67%	56 67%	42 59%	7 50%	51 61%	73 65%	61 71%	63 57%	47 65%	79 62%	8 62%	56 67%	60 60%
Somewhat disagree	30 15%	5 17%	13 16%	11 15%	1 7%	13 15%	17 15%	10 12%	20 18%	13 18%	17 13%	2 15%	7 8%	20 20%
Somewhat agree	11 6%	1 3%	4 5%	3 4%	3 21%	4 5%	7 6%	5 6%	6 5%	2 3%	9 7%	0 0%	6 7%	5 5%
Strongly agree	29 15%	2 7%	10 12%	14 20%	3 21%	14 17%	15 13%	8 9%	21 19%	9 13%	20 16%	3 23%	14 17%	12 12%
Don't know	3 2%	2 7%	0 0%	1 1%	0 0%	2 2%	1 1%	2 2%	1 1%	1 1%	2 2%	0 0%	0 0%	3 3%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

d. The approved compostable bags that can be used to line the kitchen pail are too expensive to use.

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	12 6%	1 3%	6 7%	3 4%	2 14%	4 5%	8 7%	3 3%	8 7%	4 6%	8 6%	0 0%	5 6%	7 7%
Somewhat disagree	19 10%	5 17%	9 11%	5 7%	0 0%	4 5%	15 13%	9 10%	10 9%	8 11%	11 9%	2 15%	9 11%	8 8%
Somewhat agree	19 10%	5 17%	7 8%	7 10%	0 0%	9 11%	10 9%	9 10%	10 9%	8 11%	11 9%	1 8%	10 12%	8 8%
Strongly agree	37 19%	5 17%	15 18%	10 14%	7 50%	19 23%	18 16%	13 15%	24 22%	9 13%	28 22%	4 31%	14 17%	19 19%
Don't know	112 56%	14 47%	46 55%	46 65%	5 36%	48 57%	62 55%	52 60%	59 53%	43 60%	69 54%	6 46%	45 54%	58 58%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

e. It is difficult to keep the green yard debris roll cart clean if I use it for food scraps.

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	36 18%	7 23%	19 23%	9 13%	1 7%	15 18%	20 18%	15 17%	21 19%	8 11%	28 22%	0 0%	14 17%	22 22%
Somewhat disagree	39 20%	10 33%	15 18%	12 17%	2 14%	13 15%	26 23%	15 17%	23 21%	24 33%	15 12%	0 0%	18 22%	20 20%
Somewhat agree	41 21%	5 17%	22 27%	10 14%	3 21%	20 24%	21 19%	18 21%	23 21%	13 18%	28 22%	6 46%	12 14%	22 22%
Strongly agree	76 38%	8 27%	26 31%	34 48%	8 57%	33 39%	42 37%	34 40%	41 37%	25 35%	51 40%	7 54%	34 41%	34 34%
Don't know	7 4%	0 0%	1 1%	6 8%	0 0%	3 4%	4 4%	4 5%	3 3%	2 3%	5 4%	0 0%	5 6%	2 2%



14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

f. Having garbage pickup every two weeks has been a major problem for our household.

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	67 34%	13 43%	32 39%	21 30%	1 7%	29 35%	38 34%	29 34%	37 33%	24 33%	43 34%	4 31%	24 29%	39 39%
Somewhat disagree	41 21%	9 30%	20 24%	10 14%	2 14%	16 19%	24 21%	20 23%	21 19%	17 24%	24 19%	3 23%	19 23%	18 18%
Somewhat agree	28 14%	4 13%	14 17%	8 11%	2 14%	10 12%	17 15%	11 13%	17 15%	7 10%	21 17%	0 0%	10 12%	17 17%
Strongly agree	61 31%	4 13%	17 20%	30 42%	9 64%	29 35%	32 28%	24 28%	36 32%	23 32%	38 30%	6 46%	28 34%	26 26%
Don't know	2 1%	0 0%	0 0%	2 3%	0 0%	0 0%	2 2%	2 2%	0 0%	1 1%	1 1%	0 0%	2 2%	0 0%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

**g. I should be paying less for my garbage and recycling because I feel that I am getting less service.**

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	24 12%	5 17%	12 14%	7 10%	0 0%	8 10%	16 14%	17 20%	7 6%	5 7%	19 15%	3 23%	10 12%	11 11%
Somewhat disagree	60 30%	8 27%	36 43%	15 21%	1 7%	23 27%	37 33%	22 26%	37 33%	26 36%	34 27%	2 15%	26 31%	30 30%
Somewhat agree	31 16%	7 23%	8 10%	15 21%	1 7%	13 15%	17 15%	15 17%	15 14%	9 13%	22 17%	2 15%	14 17%	15 15%
Strongly agree	76 38%	10 33%	22 27%	32 45%	11 79%	39 46%	37 33%	29 34%	47 42%	29 40%	47 37%	6 46%	31 37%	38 38%
Don't know	8 4%	0 0%	5 6%	2 3%	1 7%	1 1%	6 5%	3 3%	5 5%	3 4%	5 4%	0 0%	2 2%	6 6%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Asked of those who answered bi-weekly recycling pickup in Q6.)

**h. Having recycling pickup every two weeks has been a major problem for our household.**

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	99	10	36	41	11	35	64	45	52	35	64	4	39	55
Strongly disagree	32 32%	5 50%	12 33%	14 34%	1 9%	10 29%	22 34%	17 38%	15 29%	10 29%	22 34%	1 25%	13 33%	18 33%
Somewhat disagree	19 19%	2 20%	8 22%	7 17%	1 9%	7 20%	12 19%	7 16%	12 23%	9 26%	10 16%	1 25%	7 18%	10 18%
Somewhat agree	19 19%	2 20%	6 17%	8 20%	3 27%	5 14%	14 22%	7 16%	11 21%	5 14%	14 22%	1 25%	7 18%	11 20%
Strongly agree	26 26%	0 0%	9 25%	11 27%	6 55%	10 29%	16 25%	12 27%	14 27%	10 29%	16 25%	1 25%	11 28%	14 25%
Don't know	3 3%	1 10%	1 3%	1 2%	0 0%	3 9%	0 0%	2 4%	0 0%	1 3%	2 3%	0 0%	1 3%	2 4%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

i. Because I already compost in my backyard, the food scraps composting program does not benefit me.

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	92 46%	15 50%	42 51%	28 39%	6 43%	39 46%	52 46%	33 38%	58 52%	24 33%	68 54%	6 46%	35 42%	49 49%
Somewhat disagree	41 21%	5 17%	18 22%	15 21%	3 21%	15 18%	26 23%	21 24%	20 18%	22 31%	19 15%	3 23%	20 24%	17 17%
Somewhat agree	19 10%	3 10%	7 8%	7 10%	2 14%	10 12%	9 8%	11 13%	8 7%	10 14%	9 7%	1 8%	10 12%	8 8%
Strongly agree	28 14%	4 13%	6 7%	16 23%	2 14%	13 15%	15 13%	10 12%	17 15%	13 18%	15 12%	3 23%	11 13%	14 14%
Don't know	19 10%	3 10%	10 12%	5 7%	1 7%	7 8%	11 10%	11 13%	8 7%	3 4%	16 13%	0 0%	7 8%	12 12%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

j. Collecting food scraps and placing them in my green yard debris roll cart helps me reduce my garbage.

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	52 26%	8 27%	20 24%	20 28%	4 29%	21 25%	31 27%	17 20%	34 31%	17 24%	35 28%	3 23%	21 25%	27 27%
Somewhat disagree	16 8%	2 7%	4 5%	10 14%	0 0%	8 10%	8 7%	8 9%	8 7%	6 8%	10 8%	1 8%	10 12%	5 5%
Somewhat agree	37 19%	4 13%	20 24%	9 13%	3 21%	17 20%	20 18%	15 17%	22 20%	16 22%	21 17%	3 23%	10 12%	23 23%
Strongly agree	89 45%	15 50%	37 45%	30 42%	7 50%	38 45%	49 43%	43 50%	45 41%	30 42%	59 46%	5 38%	41 49%	42 42%
Don't know	5 3%	1 3%	2 2%	2 3%	0 0%	0 0%	5 4%	3 3%	2 2%	3 4%	2 2%	1 8%	1 1%	3 3%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who answered that their household was part of the pilot in Q5.)

k. Turning food scraps into compost is a good idea because compost is a valuable fertilizer for healthier gardens and farms.

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	199	30	83	71	14	84	113	86	111	72	127	13	83	100
Strongly disagree	8 4%	0 0%	3 4%	5 7%	0 0%	3 4%	5 4%	3 3%	5 5%	3 4%	5 4%	1 8%	4 5%	2 2%
Somewhat disagree	5 3%	2 7%	2 2%	1 1%	0 0%	2 2%	3 3%	1 1%	4 4%	0 0%	5 4%	0 0%	2 2%	3 3%
Somewhat agree	31 16%	2 7%	10 12%	15 21%	3 21%	10 12%	21 19%	12 14%	18 16%	16 22%	15 12%	3 23%	12 14%	15 15%
Strongly agree	150 75%	24 80%	68 82%	48 68%	10 71%	67 80%	81 72%	68 79%	81 73%	51 71%	99 78%	9 69%	64 77%	76 76%
Don't know	5 3%	2 7%	0 0%	2 3%	1 7%	2 2%	3 3%	2 2%	3 3%	2 3%	3 2%	0 0%	1 1%	4 4%

14. Now I am going to read you a series of statements. Please tell me whether you agree or disagree with each statement.  
 (Based on those who recalled receiving kitchen pail in Q10.)

I. The kitchen pail that was provided to my home is useful.

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	183	27	79	63	13	76	105	79	102	63	120	9	78	94
Strongly disagree	48 26%	5 19%	23 29%	17 27%	2 15%	19 25%	29 28%	16 20%	31 30%	14 22%	34 28%	2 22%	18 23%	27 29%
Somewhat disagree	10 5%	1 4%	6 8%	2 3%	1 8%	4 5%	5 5%	6 8%	4 4%	6 10%	4 3%	1 11%	5 6%	4 4%
Somewhat agree	36 20%	8 30%	9 11%	16 25%	3 23%	18 24%	18 17%	19 24%	16 16%	16 25%	20 17%	1 11%	20 26%	14 15%
Strongly agree	88 48%	12 44%	41 52%	28 44%	7 54%	34 45%	53 50%	38 48%	50 49%	27 43%	61 51%	5 56%	35 45%	48 51%
Don't know	1 1%	1 4%	0 0%	0 0%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%	0 0%	1 1%

15. Does your household currently do any backyard composting of food scraps?

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Yes	66 33%	8 27%	25 30%	28 39%	5 36%	24 28%	42 37%	33 38%	33 29%	29 40%	37 29%	4 31%	34 40%	28 28%
No	135 67%	22 73%	59 70%	43 61%	9 64%	61 72%	72 63%	53 62%	80 71%	44 60%	91 71%	9 69%	50 60%	73 72%



16. How long have you lived in the City of Portland?

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
2 years or less	3 1%	0 0%	1 1%	2 3%	0 0%	0 0%	3 3%	3 3%	0 0%	3 4%	0 0%	1 8%	1 1%	1 1%
3 to 5 years	16 8%	3 10%	6 7%	7 10%	0 0%	4 5%	12 11%	16 19%	0 0%	3 4%	13 10%	2 15%	12 14%	2 2%
6 to 10 years	21 10%	1 3%	5 6%	12 17%	3 21%	3 4%	18 16%	21 24%	0 0%	10 14%	11 9%	5 38%	11 13%	5 5%
11 to 20 years	46 23%	6 20%	15 18%	21 30%	4 29%	14 16%	30 26%	46 53%	0 0%	19 26%	27 21%	3 23%	28 33%	15 15%
21 to 30 years	20 10%	0 0%	13 15%	7 10%	0 0%	7 8%	13 11%	0 0%	20 18%	8 11%	12 9%	2 15%	8 10%	8 8%
31 to 40 years	33 16%	4 13%	21 25%	5 7%	3 21%	15 18%	18 16%	0 0%	33 29%	12 16%	21 16%	0 0%	9 11%	24 24%
41 to 50 years	27 13%	6 20%	7 8%	9 13%	3 21%	19 22%	8 7%	0 0%	27 24%	11 15%	16 13%	0 0%	11 13%	15 15%
Over 50 years	33 16%	8 27%	16 19%	8 11%	1 7%	22 26%	11 10%	0 0%	33 29%	7 10%	26 20%	0 0%	4 5%	29 29%
Refused	2 1%	2 7%	0 0%	0 0%	0 0%	1 1%	1 1%	0 0%	0 0%	0 0%	2 2%	0 0%	0 0%	2 2%
Mean	30.9	42.3	32.7	24.1	28.7	39.0	25.0	11.8	45.3	28.4	32.3	12.2	22.5	40.2
SD	20.3	27.5	18.0	18.0	17.1	19.0	19.4	5.9	14.7	19.0	21.0	8.5	15.9	20.4

17. Do you own or rent your home

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Own	197 98%	30 100%	84 100%	68 96%	13 93%	82 96%	113 99%	85 99%	110 97%	71 97%	126 98%	12 92%	81 96%	101 100%
Rent	4 2%	0 0%	0 0%	3 4%	1 7%	3 4%	1 1%	1 1%	3 3%	2 3%	2 2%	1 8%	3 4%	0 0%

18. What is your age, please?

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
18 to 34	13 6%	0 0%	5 6%	8 11%	0 0%	3 4%	10 9%	11 13%	2 2%	5 7%	8 6%	13 100%	0 0%	0 0%
35 to 54	84 42%	12 40%	22 26%	40 56%	10 71%	32 38%	52 46%	52 60%	32 28%	36 49%	48 38%	0 0%	84 100%	0 0%
55 Plus	101 50%	18 60%	55 65%	23 32%	4 29%	48 56%	51 45%	23 27%	76 67%	30 41%	71 55%	0 0%	0 0%	101 100%
Refused	3 1%	0 0%	2 2%	0 0%	0 0%	2 2%	1 1%	0 0%	3 3%	2 3%	1 1%	0 0%	0 0%	0 0%
Mean	54.3	60.7	57.6	48.7	47.9	57.3	52.0	47.6	59.5	52.2	55.5	30.7	45.0	65.1
SD	13.7	16.7	12.1	12.2	8.7	14.1	13.2	13.4	11.7	12.8	14.1	2.8	5.7	8.8

19. How many people, including yourself, live in your household

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
1	30 15%	30 100%	0 0%	0 0%	0 0%	17 20%	12 11%	10 12%	18 16%	8 11%	22 17%	0 0%	12 14%	18 18%
2	84 42%	0 0%	84 100%	0 0%	0 0%	34 40%	49 43%	27 31%	57 50%	28 38%	56 44%	5 38%	22 26%	55 54%
3	41 20%	0 0%	0 0%	41 58%	0 0%	18 21%	23 20%	22 26%	19 17%	16 22%	25 20%	6 46%	19 23%	16 16%
4	30 15%	0 0%	0 0%	30 42%	0 0%	8 9%	22 19%	20 23%	10 9%	16 22%	14 11%	2 15%	21 25%	7 7%
5	9 4%	0 0%	0 0%	0 0%	9 64%	3 4%	6 5%	4 5%	5 4%	4 5%	5 4%	0 0%	7 8%	2 2%
6	1 0%	0 0%	0 0%	0 0%	1 7%	1 1%	0 0%	1 1%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%
7	2 1%	0 0%	0 0%	0 0%	2 14%	1 1%	1 1%	1 1%	1 1%	0 0%	2 2%	0 0%	1 1%	1 1%
8	1 0%	0 0%	0 0%	0 0%	1 7%	0 0%	1 1%	1 1%	0 0%	1 1%	0 0%	0 0%	0 0%	1 1%
10	1 0%	0 0%	0 0%	0 0%	1 7%	1 1%	0 0%	0 0%	1 1%	0 0%	1 1%	0 0%	1 1%	0 0%
Refused	2 1%	0 0%	0 0%	0 0%	0 0%	2 2%	0 0%	0 0%	2 2%	0 0%	2 2%	0 0%	0 0%	1 1%
Mean	2.6	1.0	2.0	3.4	5.9	2.5	2.7	2.9	2.4	2.8	2.5	2.8	3.0	2.3
SD	1.3	0.0	0.0	0.5	1.5	1.5	1.2	1.3	1.3	1.3	1.4	0.7	1.5	1.2

20. What is the last year of education you had the opportunity to complete

	TOTAL	Household size				Education		Time in PDX		Gender		Age		
		1	2	3 OR 4	5 PLUS	NOT COLL GRAD	COLL GRAD	20 & UNDER	OVER 20	MALE	FE MALE	18-34	35-54	55 +
Total	201	30	84	71	14	85	114	86	113	73	128	13	84	101
Not a high school graduate	2 1%	0 0%	2 2%	0 0%	0 0%	2 2%	0 0%	0 0%	2 2%	2 3%	0 0%	0 0%	1 1%	1 1%
High school graduate	25 12%	7 23%	10 12%	6 8%	1 7%	25 29%	0 0%	3 3%	22 19%	7 10%	18 14%	1 8%	5 6%	19 19%
Some college or other post-secondary education	58 29%	10 33%	22 26%	20 28%	5 36%	58 68%	0 0%	18 21%	39 35%	18 25%	40 31%	2 15%	26 31%	28 28%
College graduate	53 26%	5 17%	22 26%	24 34%	2 14%	0 0%	53 46%	29 34%	23 20%	23 32%	30 23%	5 38%	26 31%	22 22%
Some post-graduate	14 7%	2 7%	4 5%	7 10%	1 7%	0 0%	14 12%	7 8%	7 6%	3 4%	11 9%	2 15%	5 6%	6 6%
Master's degree or higher	47 23%	5 17%	23 27%	14 20%	5 36%	0 0%	47 41%	27 31%	20 18%	19 26%	28 22%	3 23%	21 25%	23 23%
Refused	2 1%	1 3%	1 1%	0 0%	0 0%	0 0%	0 0%	2 2%	0 0%	1 1%	1 1%	0 0%	0 0%	2 2%