RECYCLING IN SEATTLE: WHAT DO YOU THINK?

A Household Recycling Survey

Survey Highlights - October 2005

Households' Participation in Programs is High:

- 98% reported they recycle paper, cardboard, plastics, metals and glass in the curbside recycling program. 90% of those that recycle say they recycle more than 75% of these materials. The average household time spent on recycling is about 16 minutes per week.
- 83% reported they use the curbside yard waste program and 24% take some yard waste to the transfer stations. 44% do some composting of yard waste at home.
- 96% of households put food waste in the regular trash and 54% use a garbage disposal. 26% report that they compost some food waste at home.

Households Value Recycling:

- Preliminary analysis suggests that the average household places a value on the current curbside recycling program of between $6 and $12 per household per month.
- The average value of increasing the city-wide recycling rate from 40% to 60% was found to be between $3 and $9 per household per month.

Households Express Their Opinions about Different Recycling Programs:

The survey asked the participants to rate five alternative recycling programs, relative to Seattle's current recycling system, based on information about the programs' estimated costs and likely impacts on the city-wide recycling rate.

- 85% expressed a favorable opinion of Seattle's current recycling system and 10% had an unfavorable opinion.
- 46% think a program where glass is combined with other recyclables would be better than the current system. 37% think this combined system would be worse.
- 47% think a ban on putting recyclables in the trash is better than a voluntary system and 41% think it is worse.
- 27% think adding curbside food waste collection is better than a system without this component. 61% think this is worse.

- 51% think a program to increase commercial recycling would be better than the current system and 36% think it would be.
- 2% of households think it would be better to drop the existing curbside recycling program and 95% think it would be worse to drop the program.
- People were more likely to think that the described change would be better if it was projected to improve the city-wide recycling rate. They were also more likely to think a change would result in a worse system, if it would cost them more money.

More details are available at www.seattle.gov/util/recyclesurvey

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RECYCLING IN SEATTLE: WHAT DO YOU THINK?

Descriptive Results from a Household Recycling Survey

by

Douglas Larson[1], Jenny Bagby[2], Gorm Kipperberg[3], and Lea Knight[4]

[1]Study Director, Professor in the College of Agricultural and Environmental Sciences, University of California, Davis; [2]Principal Economist in Seattle Public Utilities; [3]Graduate Researcher at University of California, Davis; [4]Survey Consultant, FBK Research.

RECYCLING IN SEATTLE: WHAT DO YOU THINK?

Descriptive Results from a Household Recycling Survey

Introduction

Waste management remains an important policy issue, both in the United States and elsewhere. The fundamental reason for this is that virtually any production or consumption activity in modern societies yields byproducts, or so-called waste materials, that must be handled in one way or another. Dealing with waste materials is inevitably costly. At the same time, natural resources are becoming scarcer. Conserving resources and limiting the amount of waste being sent to landfills are important elements of ensuring that economies are sustainable. While the levels of recycling are either on the rise or stable in many places, some communities have recently chosen to discontinue or scale down their recycling programs. This is at a time when there is evidence that waste generation is increasing again.[1]

Seattle is well-known as a leading city in the United States in the field of household recycling and waste management. Particularly, it has a reputation for introducing programs that both make sense economically and are desired by its citizens. While there has been firm community support for Seattle's recycling programs, it is important to continue to gauge the opinions of people in Seattle. This survey was undertaken as part of a research project to study household aspects of waste management. The survey was carried out as a collaborative effort between planners in Seattle Public Utilities and researchers at the University of California, Davis. Some of the research objectives addressed by this project are as follows:

1. Examine households' waste handling and recycling behaviors.
   - What determines people's behavior?
   - What roles do economic and social incentives play in households' recycling decisions?
   - How does the relative importance of these incentives vary with socioeconomic and demographic characteristics?
   - What is the role of personal attitudes and intrinsic motivations?

2. Measure the economic (non-market) value of recycling programs.
   - How much is a curbside recycling program worth to people?
   - What value would people place on increasing the city-wide recycling rate?
   - How does the value of a recycling program depend on specific program attributes?

3. Test different methods for valuing publicly provided services.

[1] See Kaufman et al. "The State of Garbage in America." in Biocycle 31, 2004.

Survey Methodology

A self-administered mail survey was conducted in accordance with the rigorous standards described in the Tailored Design Method[2] (Dillman) and included these steps:

- Early versions of the questionnaire were developed in collaboration with individuals with knowledge and expertise in the areas of waste management and recycling program planning;
- Two focus groups (with 8-10 participants each) were conducted to gauge reactions to the survey questionnaire and to the survey process;
- 10 personal interviews were held to gauge reactions to question wording and content;
- Finally, a pilot-survey was mailed to 300 randomly selected households in Seattle, and the results and comments received were evaluated.

A random sample of 2012, primarily single family households subscribing to garbage can service was selected for this study.[3] Each household was mailed a packet containing:

- A twelve-page survey questionnaire;
- A cover letter that explained the purpose of the survey and asked for the household's participation;
- A postage-paid return envelope.

The first mailing of the finalized survey was sent mid October, 2004, with a post-card reminder two weeks later. A second letter with another survey packet was mailed mid November, 2004. A third (and last) mailing was sent mid January 2005.[4] The final 12-page questionnaire included five sections with multiple questions in each:

- Current Recycling Activities
- Willingness to Pay for Recycling
- Preferences for Recycling Programs
- About You
- More About you

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[2] Dillman, Don A., *Mail and Internet Surveys: The Tailored Design Method*, Second Edition, John Wiley and Sons, 2000.

[3] The sample did not include households who are on dumpster service, which includes most people who live in apartments. A separate survey would have to be used to gather information from these residents due to the fact that they do not pay their garbage bill directly, which impacts the relevance of several of the survey questions.

[4] The purpose of multiple mailings was to ensure a high participation rate so that the results can be as representative of the overall Seattle population as possible. This procedure is also recommended by the Tailored Design Method.

Response Rate

Of the 2012 survey questionnaires sent out in the initial mailing, 61 were returned by the postal service as undeliverable. Another 53 recipients requested to be removed from the mailing list or otherwise indicated that they did not want to participate in this research. Completed questionnaires were received from 1172 households. The overall response rate (calculated as the number of returned surveys divided by the number of deliverable surveys) was about 60%.

The remainder of this report describes each of the survey sections, and presents statistical summaries of responses received to the key questions. A report containing a listing of each question and response can be found in the "Top-Line Report", available at www.seattle.gov/util/recyclesurvey. Further analyses from this research project will also be posted to this web-site on an ongoing basis.

1. CURRENT RECYCLING ACTIVITIES

The purpose of this section was to obtain data that could help us develop a complete understanding of people's waste management and recycling choices at the household level. It asked questions about the following aspects of household behavior:

- Handling of recyclable materials (paper, cardboard, plastics, metals, and glass)
- Handling of food waste and yard waste
- Use of recycling and disposal stations
- Subscription to garbage collection service
- Distribution of effort among different household members
- Perception of other people's behavior

Despite the detailed nature of these questions, most participants gave answers to all of them. As can be seen in the following tables and figures, a diverse picture of household behavior emerges.

1.1 Paper, Cardboard, Plastics, Metals, and Glass

This question started out by asking the participants how their household deals with recyclable paper, cardboard, plastics, metals, and glass. As can be seen in Table 1, the vast majority of the respondents (98%) said they usually *recycle them through the curbside/alley recycling program*.[5]

Table 1: Methods for Handling Recyclable Materials

Response Category	*Frequency*	*Percent*
Recycle them through he curbside (or alley) program	1126	98%
Take them to a recycling and disposal (transfer) station	51	4%
Throw them away with the regular garbage	44	4%
Donate them to charity	21	2%
Recycling them for money	17	1%
Other	9	1%

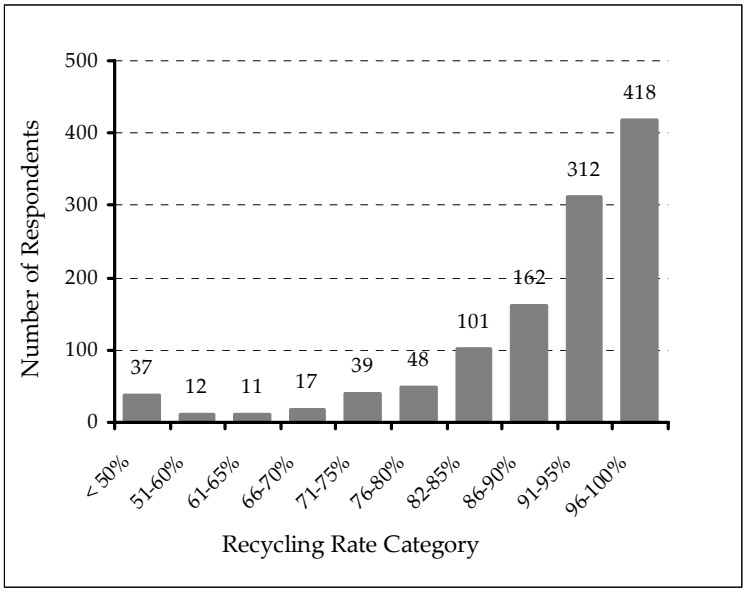
N = 1148, 24 participants did not answer this question.

The question went on to ask what overall percentage of these materials is actually recycled and how much time is spent in doing so. As seen in Figure 1, the most common recycling rate category was *96-100%*. A total of 418 (36%) of the respondents indicated that the percentage of recyclable materials their household recycles falls into this category. Only 37 respondents (3%) reported that their household's recycling rate is less than 50%. The average recycling rate across all respondents was 88.7%.

[5] Note that the "percent" column does not add up to 100% because participants could check multiple options on this question.

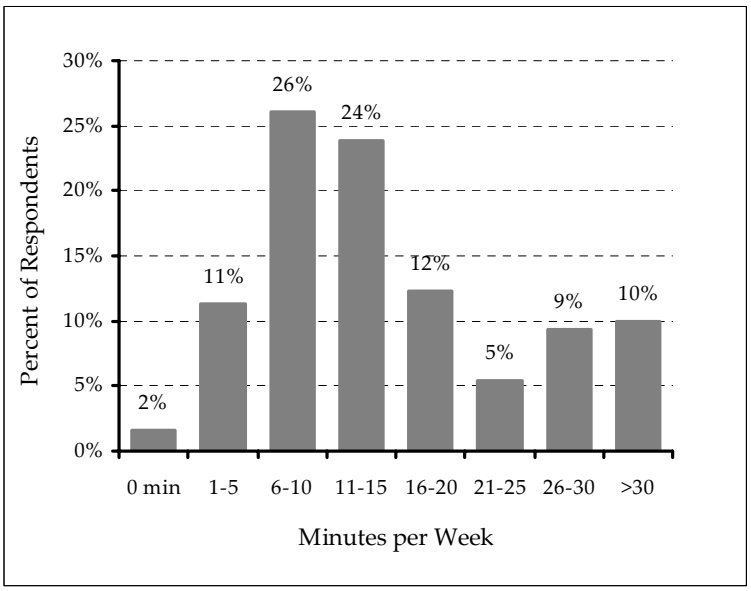
When it comes to the time households spend on recycling activities, Figure 2 shows that the most common response category, reported by 26% of the respondents, was *6-10* minutes per week. The next most common category was *11-15* minutes per week. There were 10% who said their household spends more than 30 minutes per week on this activity. The average household time spent recycling across all respondents was 15.5 minutes per week.

Figure 1: Household Recycling Rates



N=1157, 15 participants did not answer this question.

Figure 2: Household Time Spent on Recycling



N=1160, 12 participants did not answer this question.

1.2 Food Waste and 1.3 Yard Waste

The next two questions asked how food waste and yard waste are handled in the household. The results are reported in Table 2 and Table 3. For those who reported that they compost, we also asked how much time was spent on this activity.

Most households use more than one method to deal with these materials. As can be seen in Table 2, 96% throw food waste in the *regular garbage*, 54% use a *garbage disposal*, 26% *compost*, and 8% use some *other method*. The methods for dealing with yard waste are given in Table 3. As many as 83% reported their household subscribes to the *City's curbside program* for yard waste collection, 24% use a *recycling and disposal station*, 44% *compost*, and 12% said they use some *other method*.

Table 2: Food Waste Handling Methods

Method	*Frequency*	*Percent*
Regular garbage	1109	96%
Garbage disposal	624	54%
Compost	306	26%
Other method	87	8%

N = 1156, 16 participants did not answer this question.

Table 3: Yard Waste Handling Methods

Method	*Frequency*	*Percent*
City curbside program	957	83%
Recycling and disposal station	280	24%
Compost	512	44%
Other method	134	12%

N = 1153, 19 participants did not answer this question.

In terms of the portion of food waste and yard waste handled by each method, the profile for an average household is as follows:

- Food waste: 64% of it is thrown away in the regular garbage, 21% is put down a garbage disposal, 13% is composted and 2% is handled by some other method.
- Yard waste: 70% of it is handled through the City's curbside yard waste program, 8% is taken to a recycling and disposal station, 17% is composted, and 5% is handled by some other method.

For the people who reported that their household composts wet-organics, the average time spent was about 12 minutes per week for food waste and about 16 minutes per week for yard waste.

1.4 Recycling and Disposal (Transfer) Stations

This question asked people to report how often they used recycling and disposal stations (City or other) and what types of materials they took to disposal stations in the last 12 months. Among the 1150 participants who answered this question, 71% of them had taken at least one trip to a disposal station in the past 12 months.

Table 4 gives a summary of the types of materials taken on trips to disposal stations. For example, 130 respondents (11%) had taken at least one trip with *just recyclable items and nothing else*. The most common usage of recycling and disposal stations was to bring *just garbage (or construction debris)*; 43% of the respondents said they had taken at least one trip like this in the past 12 months.[6]

Table 4: Use of Recycling and Disposal Stations (within the Last 12 Months)

Trip Type Category	*Frequency**	*Percent*
Just recyclable items, nothing else	130	11%
Just yard waste	271	24%
Just garbage (or construction debris)	495	43%
Just oil, appliances, tires, batteries, and/or wood waste	199	17%
Combination of different materials	333	29%

N = 1150, 22 participants did not answer this question. *At least one trip.

Within the last twelve months an average household made the following number of trips:

- 0.3 trips with just recyclable items and nothing else
- 0.6 trips with just yard waste
- 1.3 trips with just garbage (or construction debris)
- 0.3 trips with just oil, appliances, tires, batteries, and/or wood waste
- 0.7 trips with combination of different materials

1.5 Who Recycles and Composts in Your Household?

In the cover letter, which accompanied the survey, we requested that the person *primarily responsible* for dealing with household waste and recyclables complete the questionnaire. In many households though, more than one member participates in these activities.

In this question, we asked people to indicate the extent to which different household members contribute to the household's total recycling and composting efforts. In the majority of the cases, multiple household members contribute to these activities.

[6] Note that the respondents were permitted to choose more than one trip-type category.

Table 5 shows that for 98% of the households, the *survey respondent* contributes towards recycling. In 66% of the cases a *spouse or domestic partner* contributes and in 27% of the cases there is some *other household member* who contributes.

The last column of the table gives the fraction of total household effort contributed by each member category. As can be seen, on average 0.66 (66%) of the total recycling effort comes from the survey participant, 0.27 (27%) is contributed by a spouse or domestic partner, and 0.07 (7%) of the effort is contributed by some other household member. Table 6 reports similarly for households that engage in composting.

Table 5: Household Members Contributing to Recycling

Household Member Category	*Count*	*Percent*	*Mean Effort**
Survey Respondent	1109	98%	0.66
-Spouse or Domestic Partner	748	66%	0.27
-Other Household Member	301	27%	0.07
			1.00

N = 1133, 39 participants did not answer this question.
*Average fraction of total effort contributed by each household member category.

Table 6: Household Members Contributing to Composting

Household Member Category	*Count*	*Percent*	*Mean Effort**
Survey Respondent	575	96%	0.70
-Spouse or Domestic Partner	332	55%	0.25
-Other Household Member	86	14%	0.05
			1.00

N = 602, 47 participants did not answer this question.
*Average fraction of total effort contributed by each household member category.

1.6 Garbage Collection Services

To get a sense for how much garbage different households dispose of, participants were asked to report the size of the trash container their household currently uses. The City of Seattle offers the following trash collection services:

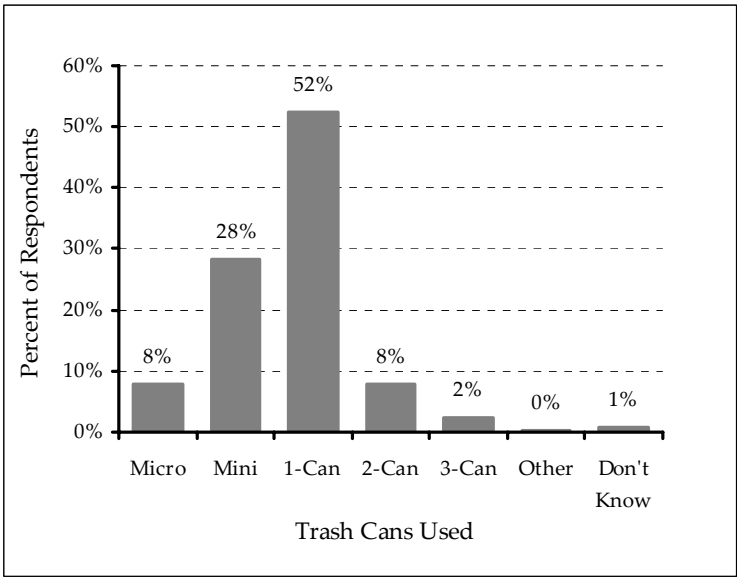
1. Micro (12-gallon) - $10.05/month
2. Mini (20-gallon) - $12.35/month
3. 1-Can (32-gallon) - $16.10/month
4. 2-Can (64-gallon) - $32.20/month
5. 3-Can (64-gallon) - $48.30/month[7]

As can be seen in Figure 3, the majority of households, 52% of them, subscribe to the *1-can (32-gallon)* collection service. The second most common subscription is the

[7] Additional capacity can be bought at 32-gallon, $16.1 per month increments.

Mini (20-gallon) can; 28% subscribe to this trash collection service. Only 10% of the households appear to need more than 32-gallon capacity.

Figure 3: Households' Trash Can Choices



N = 1147, 25 participants did not answer this question.

1.7 Perception of Other People's Recycling Behavior

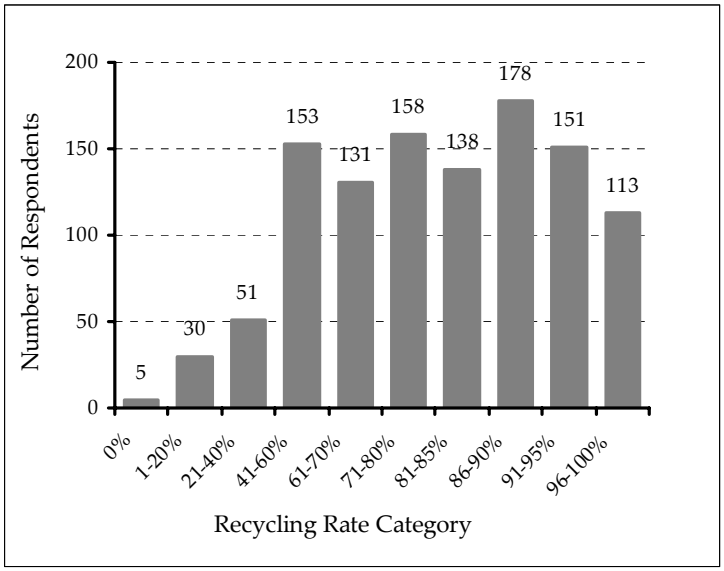
The last question of this survey section sought information about the participants' perceptions of what other households do. It had three parts:

- First, it asked what percentage of recyclable materials they think is recycled by *other people they know*.
- Second, it asked for perceptions of how many people they know compost food waste and yard waste.
- Third, it asked people to compare their own household's recycling effort to the effort of the *general Seattle population*.

Responses to the first and third parts of this question are reported in Figure 4 and Figure 5. Comparing Figure 4 to Figure 1, we can see that the participants think that they typically recycle more than do other people they know. For example, the most common recycling rate reported for one's own household was 96-100% (Figure 1) whereas the most common perception of other people's recycling rate was 86-90% (Figure 4). A similar result appears when we look at responses to the third part of the question. As can be seen in Figure 5, comparing themselves to the overall Seattle population, 47% think their own household recycles *more*, 39% think they recycle about the *same*, and only 3% think they recycle *less*.

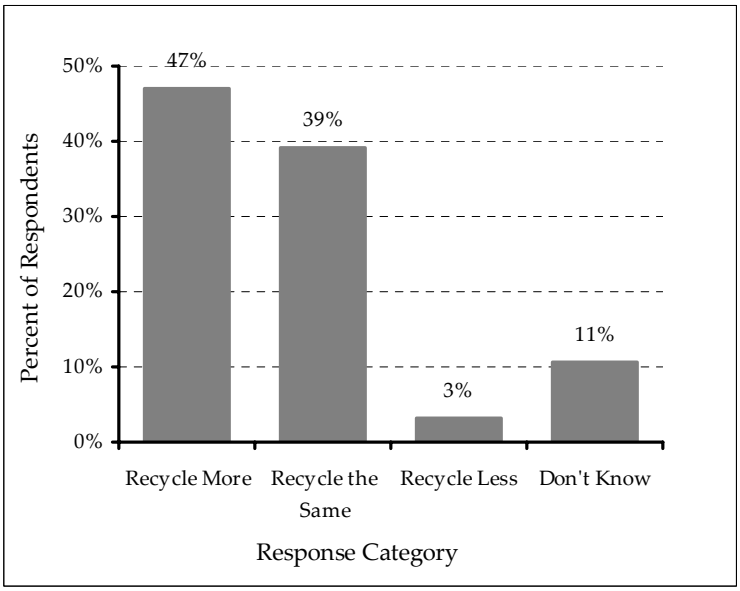
For the second part of the question, the typical respondent reported that they believed that around 13% of other people compost food waste and about 24% of them compost yard waste. This can be compared to the results from Tables 2 and 3, which indicated that 26% compost food waste and 44% compost yard waste. These findings are summarized in Table 6. Again, people appear to think that others compost less than they do.

Figure 4: Perception of Recycling Rate for People Participants Know Personally



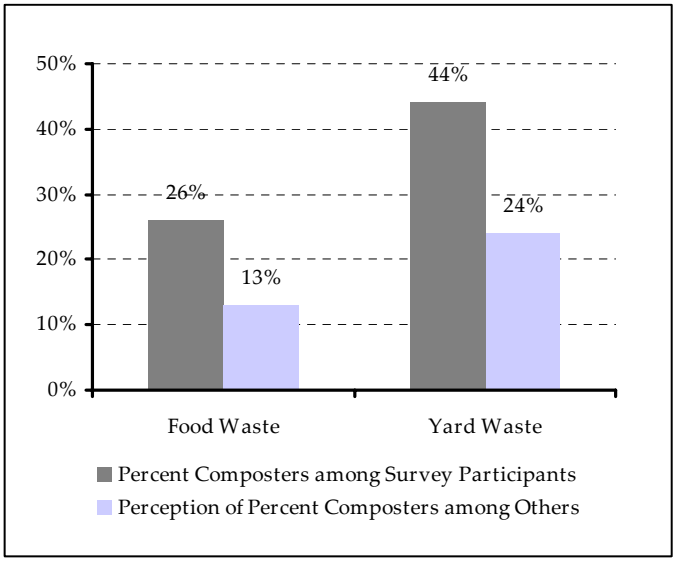
N = 1108, 64 participants did not answer this question.

Figure 5: Perception of Own Recycling Compared to the Overall Seattle Population



N = 1146, 26 participants did not answer this question.

Figure 6: Reported Own Composting and Perception of Others' Composting



2. Willingness to Pay for Recycling

This section was dedicated to questions measuring the value people place on recycling.[8] Key preliminary findings are reported in Tables 8 and 10. The initial sample was divided equally into two sub-samples, each receiving a different version of the survey. Half of the sampled people were asked about their willingness to pay (WTP) for the current curbside recycling program. The other half received questions about their willingness to pay for new recycling initiatives that could increase Seattle's city-wide recycling rate from 40% (the current rate) to 60% (the City's long-term goal).

2.1 Seattle's Current Curbside Recycling Program

This version of Section 2 was designed to identify the value people place on Seattle's current curbside recycling program.[9] It started out with the following introduction:

> As you may know, many communities face increasing costs of providing public programs, often, at the same time as available budgets are declining. Seattle households are not charged directly for curbside recycling (though the costs of the program are partly rolled into garbage collection fees).
>
> We would like to know how households value this program and how much you would be willing to pay if it became necessary to charge an additional fee to continue this program in your community. Carefully consider your household's budget. Any payment you make for this program would mean that you have less money available for other uses.

This introduction was then followed by a yes-no question that asked whether the respondent would pay a specific dollar amount as a fee on the household's monthly utility bill. This fee, the "initial fee", was chosen to vary randomly for different households within the sample because this improves the statistical properties of estimated WTP. The range of fees that we used was based on pre-testing results and research from other US communities.

The advantage of a simple yes-no question for paying for a program is that it is relatively easy to answer, and it mimics closely how people make purchasing decisions in their everyday lives. The disadvantage is that it is not very precise. To make the

[8] This part of the survey employed a method called the *contingent valuation method*. This method is commonly used in environmental economics as a way to determine the value of environmental goods whose values will generally not be reflected in market prices. This method involves asking people questions about their willingness to pay for hypothetical but realistic policy scenarios.

[9] A second part of this version of Section 2 asked about a hypothetical system, described as using central waste sorting as an alternative to curbside recycling—a solution that could achieve the same level of waste diversion but with no additional effort on the part of the household. In general, people did not place much value on this alternative system.

information on a household's WTP more precise, the initial fee was followed by a second fee. Those who said "yes" to the initial fee were subsequently asked whether they would pay a higher fee (termed "high fee" in this report), while those who said "no" were asked whether they would pay a lower fee, (termed "low fee" in this report). These follow-up fees also varied randomly across households. This resulted in 15 different questionnaire versions, each with a different set of fees. As shown in Table 7, fees on the survey questionnaire ranged from $2 to $15 for the initial fee, $4 to $30 for the high fee and $1 to $6 for the low fee.

Table 7: Mean Values of Monthly Utility Bill Fees Used on Questionnaire

	Mean	*Range*
Initial Fee	$8	$2 - $15
High Fee	$17	$4 - $30
Low Fee	$3	$1 - $6

Of the 1009 households who received this version of Section 2, 598 mailed us back their questionnaire. In most cases, the participants gave a response to both the initial fee and the follow-up fee, as requested in the question's instructions. A small minority of them, 2%, didn't provide an answer to either of the fees. In addition, 3% gave an answer to only one of the fees, and 5% skipped the initial fee, and instead gave responses to both the high and low fee.

The patterns of responses will be analyzed using more sophisticated statistical techniques at a later date. However, for this preliminary report, an approximate range on WTP can be estimated from the response data; see table 8.[10] The mean lower limit on WTP is about $6 per household per month while the mean upper limit is about $12. Further analysis will help to determine a more precise value and will be forthcoming in a separate report.

Table 8: Mean Values of the Lower and Upper Limits on WTP for Seattle's Current Curbside Recycling Program (per household per month)

WTP Limits	*Mean*
Lower	$6.13
Upper	$11.90

[10] If a respondent answered "no" to at least one question, an upper limit on WTP (the amount they said "no" to) is known. Similarly, if a respondent said "yes" to at least one question, the amount they responded to is a lower limit on WTP. If one assumes that a curbside recycling program is an economic good, then zero is a lower limit for WTP no matter what. Thus, a lower limit on WTP can be calculated for everyone in the sample, and an upper limit on WTP can be calculated for everyone except those that said "yes" to both the initial fee and the follow-up fee. By this method, it is important to note that the upper limit is likely to be too low since no upper limit on WTP could be calculated for those that said "yes" to both fees.

2.2 New Recycling Programs in Seattle

The second version of Section 2 was designed to identify the value people would place on increasing the city-wide recycling rate Seattle from 40% to 60%.[11] It started out with the following wording:

> This program would increase the recycling rate from 40% to 60% by:
>
> ✓ Expanding recycling opportunities to local businesses (and their customers and employees) and organizations (and their members).
> ✓ Creating a facility where recyclables still left in the trash gets separated from the rest of the waste collected from households and businesses.
>
> This program would be financed by adding a surcharge to the utility bills of ALL businesses and households. No additional effort from households would be necessary. In answering this question, carefully consider the effects the program would have on the money your household has available for other uses.

As with the WTP question in version 1 of Section 2, the participants in version 2 were asked to respond to both an initial fee and a follow-up fee. Careful pre-testing of this question suggested that we could use the same fee amounts as in the version 1 question (see Table 7). Table 13 shows the lower and upper limits on WTP for achieving an increase in the city-wide-recycling rate from 40% to 60%. The mean lower limit on WTP is about $3.5 per household per month while the mean upper limit is about $9. Again, further statistical analysis of the WTP data to determine a more precise value will be forthcoming in a separate report.

Table 9: Mean Values of the Lower and Upper Limits on WTP for Achieving 60% City-Wide Recycling Rate (per household per month)

WTP Limits	*Mean*
Lower	$3.52
Upper	$8.95

[11] A second part of this version of Section 2 asked about how much time people would be willing to contribute (in terms of extra minutes spent on recycling per week) to achieve the same recycling rate improvement. In general, people expressed a great willingness to contribute their time.

3. More about Your Preferences for Recycling Programs

This section asked the participants for their overall opinion of the current recycling system, and asked them to rate five alternative recycling programs relative to the current system. These alternative programs differed in their types, the city-wide recycling rate they could achieve, how much they would cost to implement, and how they might affect the behavior of individual households.

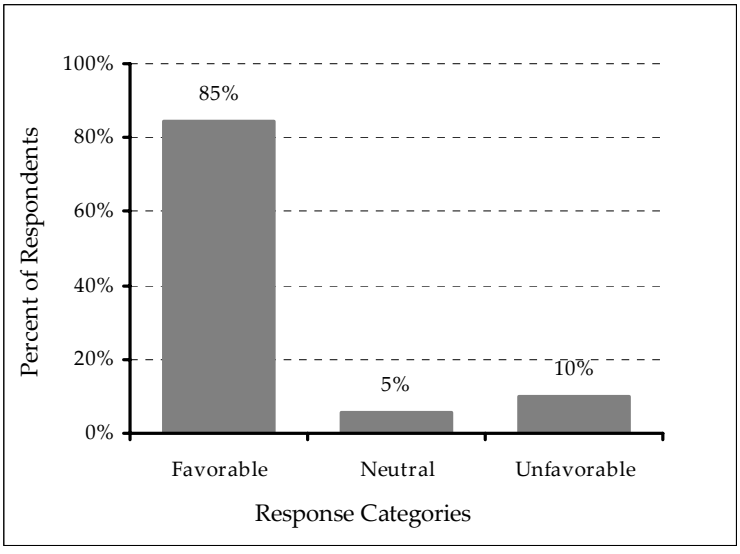
3.1 The Current Seattle Recycling System

This question asked respondents to give their overall opinion of Seattle's current recycling system. Participants were reminded of the key features of the current Seattle recycling system before being asked to provide their opinion. These were:

- Weekly garbage collection for a monthly fee based on size and number of trash cans.
- Biweekly collection of recyclables with separation of glass into separate container.
- Ban on putting yard waste into garbage cans with optional subscription to curbside collection of yard waste.

As can be seen in Figure 7, a large majority of the respondents, 85%, had a favorable opinion, 10% had an unfavorable opinion, and 5% indicated their opinion about the current Seattle recycling system is about neutral.

Figure 7: Overall Opinion of Current Seattle Recycling System



N = 1150, 22 participants did not answer this question.

3.2 Some Alternative Recycling Programs

This question asked the participants to rate five different recycling programs relative to the current Seattle recycling system. The respondents were asked to give a rating between 0 and 10, where 0 indicated that the new program is *much worse*, 5 indicated it is the *same as current Seattle system* and 10 indicated it is *much better*.

Each of the alternative programs was described to differ explicitly in two features:

1. Its expected city-wide recycling rate
2. Its estimated monthly cost per household

The recycling rates and monthly costs were chosen to vary randomly for different households within the sample, based on realistic ranges that SPU planners had developed beforehand. The reason for varying these numbers through the sample is to obtain better statistical properties for estimating the value people would place on these programs. This is another case where we had multiple versions of the survey. Table 10 summarizes the range of recycling rates and costs per household that appeared on the questionnaires. For example, for Program 1 the questionnaires showed recycling rates that varied between 39 to 44% and costs that ranged between $0 and $3 per month.

Table 10: Mean Values and Ranges for Recycling Rates and Monthly Costs* Used on the Questionnaire

Program Description	*Mean (Range) City-Wide Recycling Rate*	*Mean (Range) Monthly Cost per Household*
Program 1. One container for all recyclables	41% (39 to 44)	$2 (0 to 3)
Program 2. Ban on any recyclables in the trash	46% (41 to 52)	-$1 (-4 to 2)
Program 3. Curbside food waste collection	44% (40 to 49)	$3 (0 to 6)
Program 4. Extended non-residential recycling	49% (42 to 58)	$4 (1 to 7)
Program 5. No residential curbside recycling	31% (25 to 40)	-$3 (-6 to 0)

*A positive cost suggested that there would be an extra monthly fee on the household's utility bill while a negative cost suggested there would be a credit.

The rating responses are summarized in Table 11. The first column after the program description gives the number of people who provided their rating and the next three columns give the percentage of the respondents who rated the program as either worse than (rating 0-4), the same (rating 5), or better than (rating 6-10) the current

Seattle recycling system. The last two columns give the mean and standard deviation of the rating scores.

Table 11: Ratings of Alternative Recycling Programs

Program	*Frequency**	*Worse (0-4)*	*Same (5)*	*Better (6-10)*	*Rating Mean*	*Standard Deviation*
1. One container for recyclables	1128	37%	17%	46%	5.3	3.0
2. Ban on recyclables in the trash	1125	41%	12%	47%	5.2	3.2
3. Curbside food waste collection	1116	61%	12%	27%	3.7	3.0
4. Extended non-residential recycling	1107	36%	13%	51%	5.4	3.2
5. No residential curbside recycling	1116	95%	3%	2%	0.7	1.6

*Number of respondents out of 1172 survey participants.

For example, Program 1, one container for recyclables, was rated by 1128 survey participants. 37% indicated that this system would be worse than the current system, 17% thought it would be about the same, and 46% felt that it would be better than the current recycling system. The mean rating across all respondents for this program was 5.3 with a standard deviation of 3.0.

The best-liked program was Program 4, extended non-residential recycling. It received the highest average rating, 5.4, and was either rated the same, or better than the current system, by 64% of the respondents. Program 5, no residential curbside recycling, was the least-liked alternative. It received an average rating of 0.7 and was considered worse than the current recycling system by 95% of the respondents.[12]

After these rating questions, we asked several follow-up questions to determine how people's behavior might change under these alternative recycling programs.[13] Responses to these questions will be used in a rigorous statistical analysis to determine the value people would place on these different programs, at a later stage. Results from this analysis will be presented in a separate report.

[12] Further preliminary analysis (not shown here) found the expected statistical relationship between the attributes of the program and the respondents' ratings: A higher city-wide recycling rate made it more likely that an alternative program would be considered better than the current system, i.e. given a rating between 6 and 10, while a higher monthly cost made this less likely.

[13] Specifically, we asked the participants how their choice of trash can size might change and how the household time spent recycling might change. The participants were instructed to think about these 'implicit aspects' of the alternative programs prior to providing their ratings.

4. About You

This section elicited information on socioeconomic and demographic characteristics of our respondents. This information is very helpful in adjusting sample results to the overall population. It can also be useful in better explaining people' preferences for various recycling programs. The sections asked questions about the following:

- Gender
- Age
- Years of schooling
- Household size
- Number of household members 0-5, 6-18, and 19-21 years of age
- House ownership status (owner or renter)
- Number of income earners
- Annual household income
- Employment status
- Hours spent per week on household chores
- Hours spent per week to earn income
- Wage earner or salaried
- Fixed or flexible work schedule
- Willingness to work less hours
- Hourly earning rate

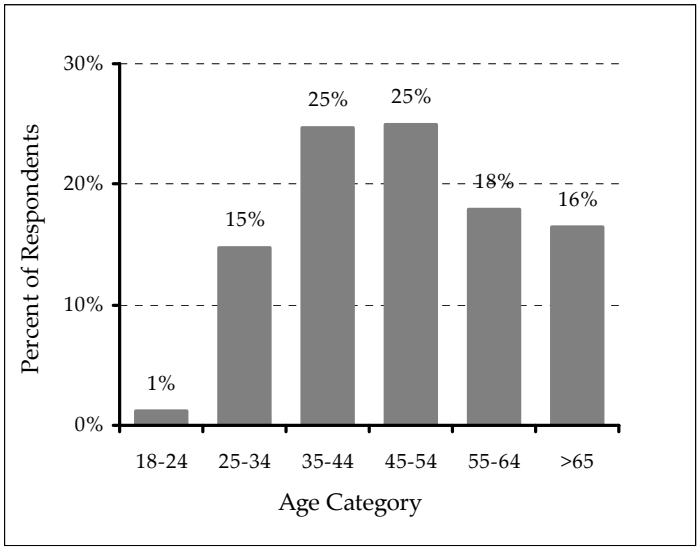
Figures 8-11 summarize the sample in terms of gender, age, education, and household size whereas Tables 11 and 12 tabulates responses to the household income and employment status question.[14]

Figure 8: Respondents' Gender

N = 1131, 41 participants did not answer this question.

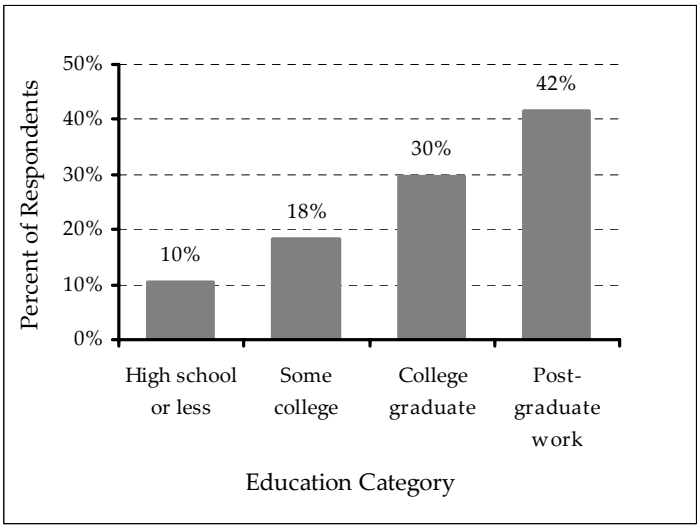
[14] See "Top-Line Report" at study website for more detailed information.

Figure 9: Respondents' Age



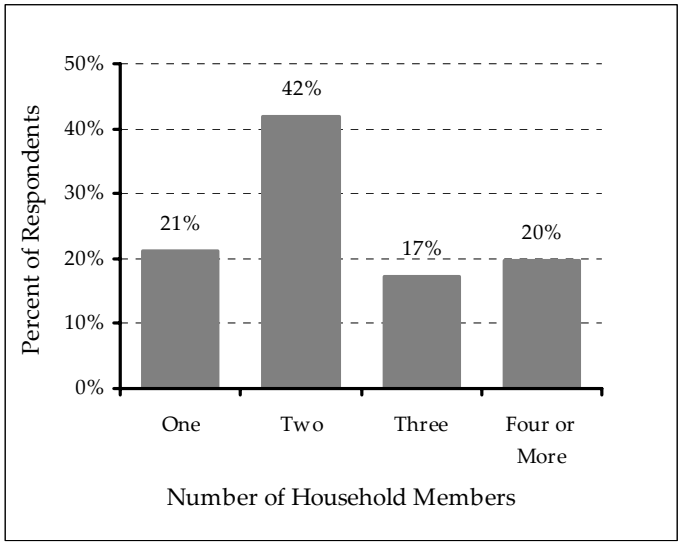
N = 1107, 65 participants did not answer this question.

Figure 10: Respondents' Education



N = 1123, 41 participants did not answer this question.

Figure 11: Respondents' Household Size



N = 1109, 63 participants did not answer this question.

Table 11: Respondents' Annual Household Income

Response Category	*Frequency*	*Percent*
Under $25,000	76	8%
25,000 - $34,999	63	6%
35,000 - $44,999	78	8%
45,000 - $54,999	81	8%
55,000 - $74,999	185	18%
75,000 - $94,999	156	15%
95,000 - $119,999	138	13%
120,000 - $149,999	101	10%
$150,000 or more	145	14%

N = 1023, 149 participants did not answer this question.

Table 12: Respondents' Employment Status

Response Category	*Frequency*	*Percent*
Employed full-time	594	53%
Employed part-time	90	8%
Part- or Full-time telecommute	11	1%
Self-Employed (Full- or Part-Time)	171	15%
Homemaker	64	6%
Student	31	3%
Temporarily unemployed	20	2%
Retired	211	19%
Disabled and unable to work	18	2%

N = 1121, 51 participants did not answer this question.

5. Some More about You

People often differ not only in their socioeconomic and demographic characteristics, but also in the attitudes they hold on different issues and in various activities they engage in. The purpose of this section was to capture some of these differences.

Attitudes
(Questions 5.1, 5.2, and 5.3)

In these questions participants were asked to indicate the extent to which they agreed or disagreed with various attitudinal statements.

The first question (5.1) had 10 statements about the environment and altruism (Table 13); the second question (5.2.) presented eight recycling motivations statements (Table 14); the third question (5.3) had seven statements about why one might be less motivated, or hesitant, to recycle (Table 15). Each table presents the number of participants who responded and the percent of these respondents who disagreed, were neutral, or agreed with the statements.

Table 13: Environmental and Altruistic Attitude Statements

Statement	*Respondents*	*Disagree*	*Neutral*	*Agree*
The ecological crisis facing humankind has been greatly exaggerated	1098	70%	16%	13%
Plants and animals have as much right as humans to exist	1098	13%	20%	67%
Human resourcefulness will insure that we do not make the earth unlivable	1095	31%	21%	49%
The earth has very limited room and resources	1085	10%	14%	76%
The balance of nature is strong enough to cope with the impacts of industrial nations	1094	82%	10%	9%
Contributions to community organizations rarely improve the lives of others	1094	74%	16%	11%
The individual alone is responsible for his or he well-being in life	1092	47%	22%	31%
It is my ethical duty to help other people when they are unable to help themselves	1090	7%	22%	72%
My responsibility is to provide only for my family and myself	1091	71%	16%	13%
My personal actions can greatly improve the well-being of people I don't know	1095	6%	18%	75%

Table 14: Factors Motivating Own Recycling

Statement: I recycle because	*Respondents*	*Disagree*	*Neutral*	*Agree*
It saves me money since I am able to use a smaller garbage container	1111	31%	28%	41%
I want to be a socially responsible person	1115	2%	9%	89%
I want other people to think of me as a responsible person	1106	24%	41%	35%
Regardless of what other people might think, I feel it is my ethical duty	1117	4%	11%	86%
I find it to be a pleasant activity in itself, compared to other "everyday" chores	1111	26%	46%	28%
It is a good way to contribute to preserving environmental quality	1119	2%	6%	93%
It is a good way to contribute to conserving scarce natural resources	1117	2%	6%	92%
I feel it is expected of me	1113	5%	9%	31%

Table 15: Factors Discouraging Own Recycling

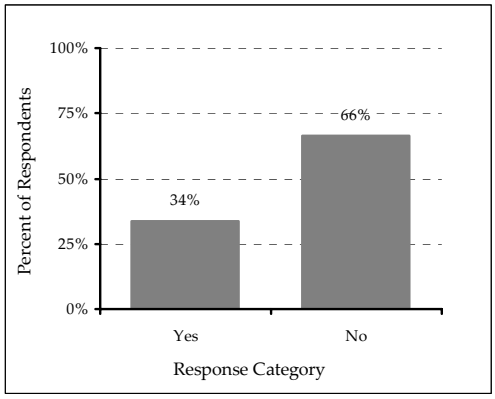
Statement: I hesitate to recycle because	*Respondents*	*Disagree*	*Neutral*	*Agree*
I don't think recycling benefits me personally	1113	82%	13%	5%
I don't think recycling provides benefits to the community/society	1106	91%	5%	4%
It is often difficult to know what items can or cannot be recycled	1106	43%	24%	34%
It takes too much time	1108	78%	16%	6%
I don't have enough recyclables	1101	85%	11%	4%
It is difficult to find room/space for temporarily storing recyclable items	1106	64%	14%	21%
Other people are not doing enough	1103	31%	37%	32%

Related Behaviors
(Questions 5.4 and 5.5)

The first of these questions (5.4) asked about people's awareness of and participation in City Light's "Seattle Green Power Program"; see Figures 12-15. This is a program wherein both households and businesses can make voluntary money contributions (of $3, $7, or $10 per month), via their utility bill, to be used toward the development of clean energy sources. About one-third of the respondents (34%) had heard about this program. Among these, 16% said they currently participate in it, and only 11% said they knew of other households that participate. When the respondents were asked how likely they would be to participate in the near future, 51% said they

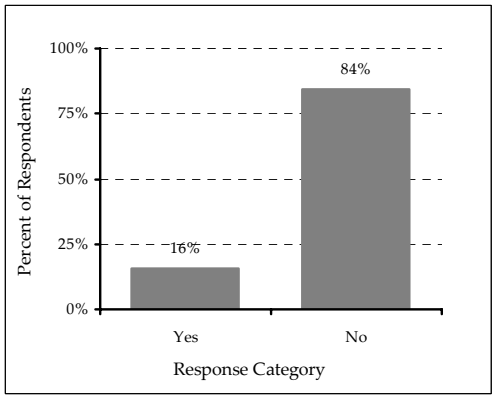
were either *highly likely* or *somewhat likely* while 49% stated they were either *somewhat unlikely* or *highly unlikely*.

Figure 12: Aware of "Seattle Green Power"



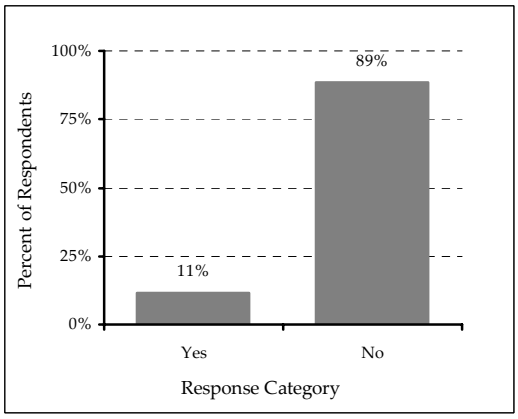
N = 1101, 71 participants did not answer this question.

Figure 13: Participate in "Seattle Green Power"



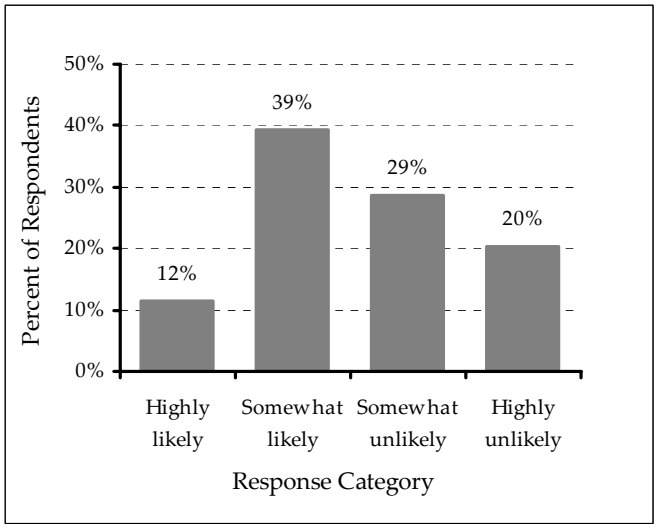
N = 363, 6 did not answer this question.

Figure 14: Know Someone else who Participate in "Seattle Green Power"



N = 358, 11 did not answer this question.

Figure 14: Likely to Participate in "Seattle Green Power" in the Future



N = 1073, 99 participants did not answer this question.

The very last question in the survey questionnaire asked respondents to indicate how frequently they engage in several environmentally-friendly activities. As can be seen in Table 16, *buying organic food items or locally grown produce* is very common. As many as 30% stated they do this regularly and only 7% said they never do this. In contrast, *using a bike as a mode of transportation (not for recreation)* is not very common; only 7% said they do this regularly and as many as 64% said they never do this.

Table 16: Frequency of Related Behaviors

Activity	*Respondents*	*Never*	*Sometimes*	*Regularly*
Carpool or take public transportation	1105	21%	55%	24%
Buy organic food items or locally grown produce	1106	7%	64%	30%
Give preference to products marked as environmentally friendly	1102	8%	69%	23%
Give preference to products that are not tested on animals	1095	17%	63%	20%
Use a bike as a mode of transportation (not for recreation)	1100	64%	28%	7%
Donate money to an environmental group or cause	1103	21%	63%	16%
Donate time to an environmental group or cause	1102	47%	49%	4%

Concluding Remarks

This concludes the descriptive summary of the household recycling survey. For those interested in a complete set of summary statistics and a copy of the survey instrument, please see the project's website. Further analysis is underway to estimate more precisely the value that Seattle citizens place on current recycling programs, the value they would place on increasing the city-wide recycling rate, and the major factors that influence their preferences and behavior. This analysis will also be published at the project website.

In closing we wish to thank the almost 1200 people who gave generously of their time to participate in the survey, not only by answering our questions but also by providing their comments throughout the questionnaires. This summary report provides important information on people's waste management behaviors and habits at the household level and their opinions of various recycling programs. More than anything, this report demonstrates a remarkable willingness of Seattleites to be part of the process of both discussing and dealing with the waste issue.

Project website

www.seattle.gov/util/recyclesurvey

Recycling in Seattle—Survey Results
March 2005

NOTE: Percentages reported here may not total 100% because of rounding errors or the acceptance of multiple responses. Rounding errors are particularly prevalent when bases are smaller (and thus, when reporting percentages by survey version).

I.1a Think about recycling paper, cardboard, plastics, metals and glass that you deal with in your home. What does your household usually do with these types of material items?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*24*	
Base = Those answering	*1148*	*100%*
Recycle them through he curbside (or alley) program	1126	98%
Take them to a recycling and disposal (transfer) station	51	4%
Throw them away with the regular garbage	44	4%
Donate them to charity	21	2%
Recycling them for money	17	1%
Other	9	1%

I.1b Of all the recyclable paper, cardboard, plastics, metals, and glass that could be recycled, what overall percentage would you say your household actually does recycle?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*15*	
Base = Those answering	*1157*	*100%*
0%	3	0%
1 – 10%	9	1%
11 – 20%	3	0%
21 – 30%	7	1%
31 – 40%	5	0%
41 – 50%	10	1%
51 – 60%	12	1%
61 – 65%	11	1%
66 – 70%	17	1%
71 - 75%	39	3%
76 – 80%	48	4%
81 – 85%	101	9%
86 – 90%	162	14%
91 – 95%	312	27%
96 – 100%	418	36%

Mean: 88.7%, Median: 93.0%

I.1c Recycling these items may take extra time. Think about the efforts to (1) sort; (2) wash/clean; (3) temporarily store; and (4) carry recyclables to the curbside/alley or take them to a recycling and disposal (transfer) station. About how many extra minutes per week does your household spend on recycling instead of throwing these times away?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*12*	
Base = Those answering	*1160*	*100%*
0 minutes/week	19	2%
1 – 5	131	11%
6 – 10	303	26%
11 – 15	276	24%
16 – 20	143	12%
21 – 25	63	5%
25 – 30	109	9%
31 – 35	39	3%
36 – 40	23	2%
41 – 50	22	2%
51 – 60	17	1%
More than 60 minutes/week	15	1%

Mean: 16.1 minutes, Median: 13.0 minutes

I.2a Think about the total amount of food waste that your household deals with in a typical week. What percentage of this food waste is handled by each of the following methods?

Thrown in the regular garbage

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*16*	
Base = Those answering	*1156*	*100%*
0%	47	4%
1 – 10%	128	11%
11 – 20%	68	6%
21 – 30%	73	6%
31 – 40%	47	4%
41 – 50%	119	10%
51 – 60%	35	3%
61 – 70%	35	3%
71 – 80%	88	8%
81 – 90%	93	8%
91 – 99%	10	9%
100%	317	27%

Mean: 63.6%, Median: 75.0%

Put down the garbage disposal

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*17*	
Base = Those answering	*1155*	*100%*
0%	531	46%
1 – 10%	191	17%
11 – 20%	64	6%
21 – 30%	58	5%
31 – 40%	38	3%
41 – 50%	88	8%
51 – 60%	28	2%
61 – 70%	19	2%
71 – 80%	61	5%
81 – 90%	40	3%
91 – 99%	26	2%
100%	22	1%

Mean: 21.5%, Median: 5.0%

Composted

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*17*	
Base = Those answering	*1155*	*100%*
0%	849	74%
1 – 10%	77	7%
11 – 20%	28	2%
21 – 30%	22	2%
31 – 40%	19	2%
41 – 50%	40	3%
51 – 60%	11	1%
61 – 70%	11	1%
71 – 80%	33	3%
81 – 90%	32	3%
91 – 99%	26	2%
100%	7	1%

Mean: 12.5%, Median: <1.0%

Other Method

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*17*	
Base = Those answering	*1155*	*100%*
0%	1068	92%
1 – 10%	51	4%
11 – 20%	10	1%
21 – 30%	7	1%
31 – 40%	2	0%
41 – 50%	6	1%
51 – 60%	0	0%
61 – 70%	4	0%
71 – 80%	1	0%
81 – 90%	3	0%
91 – 99%	2	0%
100%	1	0%

Mean: 1.7%, Median: 0.9%

I.2b About how many minutes per week does your household spend on food waste composting?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*14*	
Base = Those answering	*1158*	*100%*
0 minutes per week	814	70%
1 – 5 minutes	102	9%
6 – 10 minutes	81	7%
11 – 15 minutes	76	7%
16 – 20 minutes	38	3%
21 – 25 minutes	9	1%
26 -30 minutes	14	1%
31 – 35 minutes	8	1%
36 – 40 minutes	8	1%
41 – 50 minutes	0	0%
51 – 60 minutes	6	1%
More than 60 minutes	2	0%

Mean: 3.7 minutes, Median: 0 minutes

I.3a Of the total amount of yard waste generated by your household, what percentage is handled by each of these methods?

Taken to the curb/alley and picked up by the city

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*18*	
Base = Those answering	*1154*	*100%*
0%	197	17%
1 – 10%	20	2%
11 – 20%	12	1%
21 – 30%	18	2%
31 – 40%	19	2%
41 – 50%	57	5%
51 – 60%	27	2%
61 – 70%	30	3%
71 – 80%	133	12%
81 – 90%	133	12%
91 – 99%	70	6%
100%	417	36%
Does not apply	21	2%

Mean: 69.5%, Median: 90.0%

Taken to recycling and disposal (transfer) station

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*19*	
Base = Those answering	*1153*	*100%*
0%	873	76%
1 – 10%	90	8%
11 – 20%	57	5%
21 – 30%	20	2%
31 – 40%	4	0%
41 – 50%	21	2%
51 – 60%	5	0%
61 – 70%	5	0%
71 – 80%	12	1%
81 – 90%	9	1%
91 – 99%	1	0%
100%	35	3%
Does not apply	21	2%

Mean: 8.3%, Median: 0.0%

Composted (in the back yard)

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*19*	
Base = Those answering	*1153*	*100%*
0%	641	56%
1 – 10%	155	13%
11 – 20%	76	7%
21 – 30%	54	5%
31 – 40%	25	2%
41 – 50%	54	5%
51 – 60%	11	1%
61 – 70%	7	1%
71 – 80%	22	2%
81 – 90%	17	1%
91 – 99%	8	1%
100%	62	5%
Does not apply	21	2%

Mean: 16.9%, Median: <1.0%

Other method

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*19*	
Base = Those answering	*1153*	*100%*
0%	1019	88%
1 – 10%	31	3%
11 – 20%	19	2%
21 – 30%	6	1%
31 – 40%	3	0%
41 – 50%	11	1%
51 – 60%	1	0%
61 – 70%	2	0%
71 – 80%	5	0%
81 – 90%	4	0%
91 – 99%	1	0%
100%	30	3%
Does not apply	21	2%

Mean: 4.8%, Median: 0.0%

I.3b About how many minutes per week does your household spend on (back yard) yard waste composting?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*18*	
Base = Those answering	*1154*	*100%*
0 minutes per week	583	51%
1 – 5 minutes	157	14%
6 – 10 minutes	105	9%
11 – 15 minutes	95	8%
16 – 20 minutes	59	5%
21 – 25 minutes	17	1%
26 -30 minutes	55	5%
31 – 35 minutes	22	2%
36 – 40 minutes	15	1%
41 – 50 minutes	9	1%
51 – 60 minutes	16	1%
More than 60 minutes	21	2%

Mean: 8.4 minutes, Median: 0 minutes

I.4a In the last twelve months, about how many times did you, or someone else in your household, make each of the following types of trips to a city (or other) recycling and disposal station?

Trips with just recyclables (paper, cardboard, plastics, metals, glass) and nothing else

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*22*	
Base = Those answering	*1150*	*100%*
0 trips	1020	89%
1 trip	53	5%
2 trips	38	3%
3 trips	12	1%
4 trips	5	0%
5 or more trips	22	2%

Mean: .3 trips, Median: 0 trips

Trips with just yard waste

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*22*	
Base = Those answering	*1150*	*100%*
0 trips	879	76%
1 trip	98	9%
2 trips	76	7%
3 trips	38	3%
4 trips	24	2%
5 or more trips	35	3%

Mean: .6 trips, Median: 0 trips

Trips with just garbage (or construction debris)

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*22*	
Base = Those answering	*1150*	*100%*
0 trips	655	57%
1 trip	171	15%
2 trips	147	13%
3 trips	61	5%
4 trips	40	3%
5 or more trips	76	7%

Mean: 1.3 trips, Median: 0 trips

Trips with just oil, appliances, tires, batteries and/or wood waste

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*22*	
Base = Those answering	*1150*	*100%*
0 trips	951	83%
1 trip	123	11%
2 trips	47	4%
3 trips	12	1%
4 trips	9	1%
5 or more trips	8	1%

Mean: .3 trips, Median: 0 trips

Trips with a combination of different material types

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*22*	
Base = Those answering	*1150*	*100%*
0 trips	817	71%
1 trip	156	14%
2 trips	90	8%
3 trips	30	3%
4 trips	20	2%
5 or more trips	37	3%

Mean: .7 trips, Median: 0 trips

I.5a Think about the total time that your household spends recycling and composting. Please give us your best estimate of the percentage of this time contributed by each member of your household.

Recycle (paper, cardboard, plastics, etc.)

Yourself

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*39*	
Base = Those answering	*1133*	*100%*
0%	24	2%
1 – 10%	21	2%
11 – 20%	21	2%
21 – 30%	46	4%
31 – 40%	69	6%
41 – 50%	323	29%
51 – 60%	73	6%
61 – 70%	46	4%
71 – 80%	107	9%
81 – 90%	84	7%
91 – 99%	36	3%
100%	265	23%
Does not apply	18	2%

Mean: 66.3%, Median: 60.0%

Spouse or domestic partner

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*42*	
Base = Those answering	*1130*	*100%*
0%	385	34%
1 – 10%	86	8%
11 – 20%	78	7%
21 – 30%	84	7%
31 – 40%	106	9%
41 – 50%	277	25%
51 – 60%	33	3%
61 – 70%	20	2%
71 – 80%	21	2%
81 – 90%	6	1%
91 – 99%	3	0%
100%	13	1%
Does not apply	18	2%

Mean: 26.5%, Median: 25.0%

Other Household Member

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*43*	
Base = Those answering	*1129*	*100%*
0%	832	74%
1 – 10%	124	11%
11 – 20%	40	4%
21 – 30%	27	2%
31 – 40%	20	2%
41 – 50%	47	4%
51 – 60%	0	0%
61 – 70%	5	0%
71 – 80%	8	1%
81 – 90%	0	0%
91 – 99%	2	0%
100%	6	1%
Does not apply	18	2%

Mean: 6.6%, Median: 0.0%

Compost (food waste and/or yard waste)

Yourself

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*47*	
Base = Those answering	*1125*	*100%*
0%	27	2%
1 – 10%	22	2%
11 – 20%	25	2%
21 – 30%	24	2%
31 – 40%	25	2%
41 – 50%	109	10%
51 – 60%	15	1%
61 – 70%	18	2%
71 – 80%	48	4%
81 – 90%	43	4%
91 – 99%	19	2%
100%	227	20%
Does not apply	523	46%

Mean: 69.8%, Median: 80.0%

Spouse or domestic partner

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*49*	
Base = Those answering	*1123*	*100%*
0%	270	24%
1 – 10%	52	5%
11 – 20%	30	3%
21 – 30%	36	3%
31 – 40%	17	2%
41 – 50%	97	9%
51 – 60%	24	2%
61 – 70%	12	1%
71 – 80%	27	2%
81 – 90%	13	1%
91 – 99%	3	0%
100%	19	2%
Does not apply	523	47%

Mean: 25.4%, Median: 10.0%

Other household member

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*49*	
Base = Those answering	*1123*	*100%*
0%	516	46%
1 – 10%	37	3%
11 – 20%	10	1%
21 – 30%	11	1%
31 – 40%	6	1%
41 – 50%	10	1%
51 – 60%	1	0%
61 – 70%	1	0%
71 – 80%	2	0%
81 – 90%	1	0%
91 – 99%	1	0%
100%	4	0%
Does not apply	523	47%

Mean: 3.9%, Median: 0.0%

I.6a What trash can size (collection service level) does your household currently use?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*25*	
Base = Those answering	*1147*	*100%*
Micro (12-gallon) - $10.05 / month	91	8%
Mini (20-gallon) - $12.35 / month	326	28%
1-Can (32-gallon) - $16.10 / month	600	52%
2-Can (64-gallon) - $32.20 / month	89	8%
3-Can (96-gallon) - $48.30 / month	27	2%
Other subscription	4	0%
Don’t know	10	1%

1.7a When you think about other people that you know personally, what is your impression of how much of their recyclable paper, cardboard, plastics, metals and glass they recycle?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*64*	
Base = Those answering	*1108*	*100%*
0%	5	0%
1 – 20%	30	3%
21 – 40%	51	5%
41 – 60%	153	14%
61 – 70%	131	12%
71 – 80%	158	14%
81 – 85%	138	12%
86 – 90%	178	16%
91 – 95%	151	14%
96% - 100%	113	10%
Don't know	0	0%

Mean: 74.1%, Median: 83.0%

I.7b Still thinking about the same group of people, what percentage of these households would you guess do home composting (e.g., in their back yard)?

Food waste

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*109*	
Base = Those answering	*1063*	*100%*
0%	444	42%
1 – 10%	325	31%
11 – 20%	81	8%
21 – 30%	71	7%
31 – 40%	16	2%
41 – 50%	86	8%
51 – 60%	8	1%
61 – 70%	5	0%
71 – 80%	12	1%
81 – 90%	5	0%
91 – 99%	1	0%
100%	8	1%
Don't know	1	0%

Mean: 13.1%, Median: 5.0%

Yard waste

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*133*	
Base = Those answering	*1039*	*100%*
0%	285	27%
1 – 10%	237	23%
11 – 20%	124	12%
21 – 30%	98	9%
31 – 40%	26	3%
41 – 50%	140	13%
51 – 60%	23	2%
61 – 70%	13	1%
71 – 80%	45	4%
81 – 90%	19	2%
91 – 99%	4	0%
100%	25	2%
Don't know	0	0%

Mean: 24.2%, Median: 10.0%

I.7c When you think about the general Seattle population, would you say that your household recycles more, less or about the same percentage of recyclables as the "average" Seattle household?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*26*	
Base = Those answering	*1146*	*100%*
More	539	47%
Same	449	39%
Less	37	3%
Don't know	121	11%

II. Seattle's Curbside Recycling Program

II.1 Would your household be willing to pay **$2** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F1	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1134*	
Base = Those answering	*38*	*100%*
Yes	30	79%
No	8	21%

II.1 IF WOULD NOT PAY $2 PER MONTH: Would your household be willing to pay **$1** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $2 PER MONTH: Would your household be willing to pay **$4** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F1	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1134*	
Base = Those answering	*38*	*100%*
Would pay $4	23	61%
Would pay $2	7	18%
Would pay $1	3	8%
Would pay $0	5	13%

II.2 Would your household be willing to pay **$2** per month to switch from your community's current recycling program to a central waste sorting system?

F1	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1135*	
Base = Those answering	*37*	*100%*
Yes	17	46%
No	20	54%

II.2 IF WOULD NOT PAY $2 PER MONTH: Would your household be willing to pay **$1** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $2 PER MONTH: Would your household be willing to pay **$4** per month to switch from your community's current recycling program to a central waste sorting system?

F1	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would pay $4	13	37%
Would pay $2	3	9%
Would pay $1	2	6%
Would pay $0	17	48%

II.1 Would your household be willing to pay **$2** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F2	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1131*	
Base = Those answering	*41*	*100%*
Yes	35	85%
No	6	15%

II.1 IF WOULD NOT PAY $2 PER MONTH: Would your household be willing to pay **$1** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $2 PER MONTH: Would your household be willing to pay **$8** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F2	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1131*	
Base = Those answering	*41*	*100%*
Would pay $8	20	49%
Would pay $2	15	37%
Would pay $1	2	5%
Would pay $0	4	10%

II.2 Would your household be willing to pay **$2** per month to switch from your community's current recycling program to a central waste sorting system?

F2	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1132*	
Base = Those answering	*40*	*100%*
Yes	22	55%
No	18	45%

II.2 IF WOULD NOT PAY $2 PER MONTH: Would your household be willing to pay **$1** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $2 PER MONTH: Would your household be willing to pay **$8** per month to switch from your community's current recycling program to a central waste sorting system?

F2	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Would pay $8	9	23%
Would pay $2	12	31%
Would pay $1	2	5%
Would pay $0	16	41%

II.1 Would your household be willing to pay **$4** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F3	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Yes	21	68%
No	10	32%

II.1 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$1** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$8** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F3	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1142*	
Base = Those answering	*30*	*100%*
Would pay $8	9	30%
Would pay $4	11	37%
Would pay $1	7	23%
Would pay $0	3	10%

II.2 Would your household be willing to pay **$2** per month to switch from your community's current recycling program to a central waste sorting system?

F3	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Yes	15	48%
No	16	52%

II.2 IF WOULD NOT PAY $2 PER MONTH: Would your household be willing to pay **$1** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $2 PER MONTH: Would your household be willing to pay **$12** per month to switch from your community's current recycling program to a central waste sorting system?

F3	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Would pay $12	7	22%
Would pay $2	8	26%
Would pay $1	8	26%
Would pay $0	8	26%

II.1 Would your household be willing to pay **$4** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F4	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Yes	27	69%
No	12	31%

II.1 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$2** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$12** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F4	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1135*	
Base = Those answering	*37*	*100%*
Would pay $12	12	32%
Would pay $4	14	38%
Would pay $2	8	22%
Would pay $0	3	8%

II.2 Would your household be willing to pay **$4** per month to switch from your community's current recycling program to a central waste sorting system?

F4	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1132*	
Base = Those answering	*40*	*100%*
Yes	17	43%
No	23	57%

II.2 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$1** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$8** per month to switch from your community's current recycling program to a central waste sorting system?

F4	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Would pay $8	8	21%
Would pay $4	9	23%
Would pay $1	5	13%
Would pay $0	17	43%

II.1 Would your household be willing to pay **$4** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F5	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1134*	
Base = Those answering	*38*	*100%*
Yes	25	66%
No	13	34%

II.1 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$2** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$16** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F5	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1135*	
Base = Those answering	*37*	*100%*
Would pay $16	5	13%
Would pay $4	19	51%
Would pay $2	8	22%
Would pay $0	5	14%

II.2 Would your household be willing to pay **$4** per month to switch from your community's current recycling program to a central waste sorting system?

F5	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1134*	
Base = Those answering	*38*	*100%*
Yes	15	39%
No	23	61%

II.2 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$2** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$12** per month to switch from your community's current recycling program to a central waste sorting system?

F5	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would pay $12	4	11%
Would pay $4	9	26%
Would pay $2	6	17%
Would pay $0	16	46%

II.1 Would your household be willing to pay **$8** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F6	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1138*	
Base = Those answering	*34*	*100%*
Yes	22	65%
No	12	35%

II.1 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$2** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$12** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F6	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1139*	
Base = Those answering	*33*	*100%*
Would pay $12	13	40%
Would pay $8	8	24%
Would pay $2	8	24%
Would pay $0	4	12%

II.2 Would your household be willing to pay **$4** per month to switch from your community's current recycling program to a central waste sorting system?

F6	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1139*	
Base = Those answering	*33*	*100%*
Yes	11	33%
No	22	67%

II.2 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$2** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$16** per month to switch from your community's current recycling program to a central waste sorting system?

F6	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Would pay $16	2	6%
Would pay $4	9	29%
Would pay $2	7	23%
Would pay $0	13	42%

II.1 Would your household be willing to pay **$8** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F7	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Yes	16	46%
No	19	54%

II.1 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$4** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$16** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F7	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would pay $16	4	12%
Would pay $8	12	34%
Would pay $4	13	37%
Would pay $0	6	17%

II.2 Would your household be willing to pay **$6** per month to switch from your community's current recycling program to a central waste sorting system?

F7	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1138*	
Base = Those answering	*34*	*100%*
Yes	10	29%
No	24	71%

II.2 IF WOULD NOT PAY $6 PER MONTH: Would your household be willing to pay **$1** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $6 PER MONTH: Would your household be willing to pay **$10** per month to switch from your community's current recycling program to a central waste sorting system?

F7	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1139*	
Base = Those answering	*33*	*100%*
Would pay $10	4	12%
Would pay $6	6	18%
Would pay $1	13	40%
Would pay $0	10	30%

II.1 Would your household be willing to pay **$8** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F8	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1130*	
Base = Those answering	*42*	*100%*
Yes	22	52%
No	20	48%

II.1 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$4** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$20** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F8	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1131*	
Base = Those answering	*41*	*100%*
Would pay $20	5	12%
Would pay $8	17	42%
Would pay $4	9	22%
Would pay $0	10	24%

II.2 Would your household be willing to pay **$6** per month to switch from your community's current recycling program to a central waste sorting system?

F8	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1128*	
Base = Those answering	*44*	*100%*
Yes	14	32%
No	30	68%

II.2 IF WOULD NOT PAY $6 PER MONTH: Would your household be willing to pay **$2** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $6 PER MONTH: Would your household be willing to pay **$12** per month to switch from your community's current recycling program to a central waste sorting system?

F8	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1129*	
Base = Those answering	*43*	*100%*
Would pay $12	9	21%
Would pay $6	5	12%
Would pay $2	9	21%
Would pay $0	20	46%

II.1 Would your household be willing to pay **$10** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F9	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1134*	
Base = Those answering	*38*	*100%*
Yes	21	55%
No	17	45%

II.1 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$2** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$15** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F9	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1134*	
Base = Those answering	*38*	*100%*
Would pay $15	13	34%
Would pay $10	8	21%
Would pay $2	10	26%
Would pay $0	7	19%

II.2 Would your household be willing to pay **$6** per month to switch from your community's current recycling program to a central waste sorting system?

F9	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1135*	
Base = Those answering	*37*	*100%*
Yes	14	38%
No	23	62%

II.2 IF WOULD NOT PAY $6 PER MONTH: Would your household be willing to pay **$3** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $6 PER MONTH: Would your household be willing to pay **$16** per month to switch from your community's current recycling program to a central waste sorting system?

F9	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1127*	
Base = Those answering	*35*	*100%*
Would pay $16	4	11%
Would pay $6	10	29%
Would pay $3	6	17%
Would pay $0	15	43%

II.1 Would your household be willing to pay **$10** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F10	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1132*	
Base = Those answering	*40*	*100%*
Yes	24	60%
No	16	40%

II.1 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$5** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$20** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F10	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Would pay $20	5	13%
Would pay $10	19	49%
Would pay $5	9	23%
Would pay $0	6	15%

II.2 Would your household be willing to pay **$8** per month to switch from your community's current recycling program to a central waste sorting system?

F10	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Yes	17	44%
No	22	56%

II.2 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$1** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$12** per month to switch from your community's current recycling program to a central waste sorting system?

F10	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1134*	
Base = Those answering	*38*	*100%*
Would pay $12	9	24%
Would pay $8	8	21%
Would pay $1	6	16%
Would pay $0	15	39%

II.1 Would your household be willing to pay **$10** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F11	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1140*	
Base = Those answering	*32*	*100%*
Yes	16	50%
No	16	50%

II.1 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$5** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$25** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F11	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1142*	
Base = Those answering	*30*	*100%*
Would pay $25	3	10%
Would pay $10	11	37%
Would pay $5	8	27%
Would pay $0	8	26%

II.2 Would your household be willing to pay **$8** per month to switch from your community's current recycling program to a central waste sorting system?

F11	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1140*	
Base = Those answering	*32*	*100%*
Yes	13	41%
No	19	59%

II.2 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$2** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$16** per month to switch from your community's current recycling program to a central waste sorting system?

F11	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1142*	
Base = Those answering	*30*	*100%*
Would pay $16	5	17%
Would pay $8	7	23%
Would pay $2	5	17%
Would pay $0	13	43%

II.1 Would your household be willing to pay **$12** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F12	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1140*	
Base = Those answering	*32*	*100%*
Yes	12	38%
No	20	62%

II.1 IF WOULD NOT PAY $12 PER MONTH: Would your household be willing to pay **$2** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $12 PER MONTH: Would your household be willing to pay **$18** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F12	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Would pay $18	1	3%
Would pay $12	11	35%
Would pay $2	16	52%
Would pay $0	3	10%

II.2 Would your household be willing to pay **$8** per month to switch from your community's current recycling program to a central waste sorting system?

F12	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1139*	
Base = Those answering	*33*	*100%*
Yes	10	30%
No	23	70%

II.2 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$4** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$20** per month to switch from your community's current recycling program to a central waste sorting system?

F12	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Would pay $20	0	0%
Would pay $8	10	32%
Would pay $4	0	0%
Would pay $0	21	68%

II.1 Would your household be willing to pay **$12** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F13	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1130*	
Base = Those answering	*42*	*100%*
Yes	21	50%
No	21	50%

II.1 IF WOULD NOT PAY $12 PER MONTH: Would your household be willing to pay **$4** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $12 PER MONTH: Would your household be willing to pay **$24** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F13	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1130*	
Base = Those answering	*42*	*100%*
Would pay $24	6	14%
Would pay $12	15	36%
Would pay $4	17	40%
Would pay $0	4	10%

II.2 Would your household be willing to pay **$10** per month to switch from your community's current recycling program to a central waste sorting system?

F13	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1130*	
Base = Those answering	*42*	*100%*
Yes	11	26%
No	31	74%

II.2 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$1** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$15** per month to switch from your community's current recycling program to a central waste sorting system?

F13	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1132*	
Base = Those answering	*40*	*100%*
Would pay $15	5	12%
Would pay $10	5	13%
Would pay $1	15	37%
Would pay $0	15	38%

II.1 Would your household be willing to pay **$12** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F14	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Yes	14	36%
No	25	64%

II.1 IF WOULD NOT PAY $12 PER MONTH: Would your household be willing to pay **$6** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $12 PER MONTH: Would your household be willing to pay **$28** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F14	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Would pay $28	2	5%
Would pay $12	12	31%
Would pay $6	13	33%
Would pay $0	12	31%

II.2 Would your household be willing to pay **$10** per month to switch from your community's current recycling program to a central waste sorting system?

F14	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Yes	9	23%
No	30	77%

II.2 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$3** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$20** per month to switch from your community's current recycling program to a central waste sorting system?

F14	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Would pay $20	0	0%
Would pay $10	9	23%
Would pay $3	11	28%
Would pay $0	19	49%

II.1 Would your household be willing to pay **$15** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F15	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1145*	
Base = Those answering	*27*	*100%*
Yes	13	48%
No	14	52%

II.1 IF WOULD NOT PAY $15 PER MONTH: Would your household be willing to pay **$5** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

IF WOULD PAY $15 PER MONTH: Would your household be willing to pay **$30** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community?

F15	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1146*	
Base = Those answering	*26*	*100%*
Would pay $30	2	8%
Would pay $15	10	38%
Would pay $5	10	39%
Would pay $0	4	15%

II.2 Would your household be willing to pay **$10** per month to switch from your community's current recycling program to a central waste sorting system?

F15	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1144*	
Base = Those answering	*28*	*100%*
Yes	15	54%
No	13	46%

II.2 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$5** per month to switch from your community's current recycling program to a central waste sorting system?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$25** per month to switch from your community's current recycling program to a central waste sorting system?

F15	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1144*	
Base = Those answering	*28*	*100%*
Would pay $25	2	7%
Would pay $10	13	47%
Would pay $5	4	14%
Would pay $0	9	32%

II.1 Would you household be willing to pay **$2** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F16	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1146*	
Base = Those answering	*26*	*100%*
Yes	12	46%
No	14	54%

II.1 IF WOULD NOT PAY $2 PER MONTH: Would your household be willing to pay **$1** per month to increase the recycling rate this way?

IF WOULD PAY $2 PER MONTH: Would your household be willing to pay **$4** per month to increase the recycling rate this way?

F16	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1148*	
Base = Those answering	*24*	*100%*
Would pay $4	6	25%
Would pay $2	6	25%
Would pay $1	5	21%
Would pay $0	7	29%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **5 minutes** per week recycling?

F16	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1146*	
Base = Those answering	*26*	*100%*
Yes	23	88%
No	3	12%

II.2 IF WOULD NOT SPEND 5 MINUTES: Would your household be willing to spend **2 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 5 MINUTES: Would your household be willing to spend **10 minutes** per week to increase the recycling rate this way?

F16	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1146*	
Base = Those answering	*26*	*100%*
Would spend 10 minutes	17	65%
Would spend 5 minutes	6	23%
Would spend 2 minutes	1	4%
Would spend 0 minutes	2	8%

II.1 Would you household be willing to pay **$2** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F17	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1138*	
Base = Those answering	*34*	*100%*
Yes	20	59%
No	14	41%

II.1 IF WOULD NOT PAY $2 PER MONTH: Would your household be willing to pay **$1** per month to increase the recycling rate this way?

IF WOULD PAY $2 PER MONTH: Would your household be willing to pay **$8** per month to increase the recycling rate this way?

F17	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1139*	
Base = Those answering	*33*	*100%*
Would pay $8	8	24%
Would pay $2	11	34%
Would pay $1	8	24%
Would pay $0	6	18%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **5 minutes** per week recycling?

F17	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Yes	33	92%
No	3	8%

II.2 IF WOULD NOT SPEND 5 MINUTES: Would your household be willing to spend **2 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 5 MINUTES: Would your household be willing to spend **20 minutes** per week to increase the recycling rate this way?

F17	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would spend 20 minutes	24	69%
Would spend 5 minutes	8	23%
Would spend 2 minutes	0	0%
Would spend 0 minutes	3	8%

II.1 Would you household be willing to pay **$4** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F18	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1145*	
Base = Those answering	*27*	*100%*
Yes	15	56%
No	12	44%

II.1 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$1** per month to increase the recycling rate this way?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$8** per month to increase the recycling rate this way?

F18	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1146*	
Base = Those answering	*26*	*100%*
Would pay $8	2	8%
Would pay $4	12	46%
Would pay $1	6	23%
Would pay $0	6	23%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **5 minutes** per week recycling?

F18	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1144*	
Base = Those answering	*28*	*100%*
Yes	27	96%
No	1	4%

II.2 IF WOULD NOT SPEND 5 MINUTES: Would your household be willing to spend **2 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 5 MINUTES: Would your household be willing to spend **30 minutes** per week to increase the recycling rate this way?

F18	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1144*	
Base = Those answering	*28*	*100%*
Would spend 30 minutes	16	57%
Would spend 5 minutes	11	39%
Would spend 2 minutes	1	4%
Would spend 0 minutes	0	0%

II.1 Would you household be willing to pay **$4** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F19	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Yes	15	43%
No	20	57%

II.1 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$2** per month to increase the recycling rate this way?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$12** per month to increase the recycling rate this way?

F19	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would pay $12	1	3%
Would pay $4	14	40%
Would pay $2	11	31%
Would pay $0	9	26%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **10 minutes** per week recycling?

F19	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Yes	30	83%
No	6	17%

II.2 IF WOULD NOT SPEND 10 MINUTES: Would your household be willing to spend **2 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 10 MINUTES: Would your household be willing to spend **20 minutes** per week to increase the recycling rate this way?

F19	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would spend 20 minutes	22	63%
Would spend 10 minutes	7	20%
Would spend 2 minutes	5	14%
Would spend 0 minutes	1	3%

II.1 Would you household be willing to pay **$4** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F20	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1144*	
Base = Those answering	*28*	*100%*
Yes	17	61%
No	11	39%

II.1 IF WOULD NOT PAY $4 PER MONTH: Would your household be willing to pay **$2** per month to increase the recycling rate this way?

IF WOULD PAY $4 PER MONTH: Would your household be willing to pay **$16** per month to increase the recycling rate this way?

F20	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1145*	
Base = Those answering	*27*	*100%*
Would pay $16	1	4%
Would pay $4	15	55%
Would pay $2	8	30%
Would pay $0	3	11%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **10 minutes** per week recycling?

F20	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1143*	
Base = Those answering	*29*	*100%*
Yes	24	83%
No	5	17%

II.2 IF WOULD NOT SPEND 10 MINUTES: Would your household be willing to spend **5 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 10 MINUTES: Would your household be willing to spend **30 minutes** per week to increase the recycling rate this way?

F20	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1143*	
Base = Those answering	*29*	*100%*
Would spend 30 minutes	15	52%
Would spend 10 minutes	9	31%
Would spend 5 minutes	3	10%
Would spend 0 minutes	2	7%

II.1 Would you household be willing to pay **$8** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F21	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1142*	
Base = Those answering	*30*	*100%*
Yes	11	37%
No	19	63%

II.1 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$2** per month to increase the recycling rate this way?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$12** per month to increase the recycling rate this way?

F21	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1144*	
Base = Those answering	*28*	*100%*
Would pay $12	4	14%
Would pay $8	6	22%
Would pay $2	14	50%
Would pay $0	4	14%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **10 minutes** per week recycling?

F21	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1143*	
Base = Those answering	*29*	*100%*
Yes	23	79%
No	6	21%

II.2 IF WOULD NOT SPEND 10 MINUTES: Would your household be willing to spend **5 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 10 MINUTES: Would your household be willing to spend **40 minutes** per week to increase the recycling rate this way?

F21	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1143*	
Base = Those answering	*29*	*100%*
Would spend 40 minutes	8	27%
Would spend 10 minutes	15	52%
Would spend 5 minutes	4	14%
Would spend 0 minutes	2	7%

II.1 Would you household be willing to pay **$8** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F22	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Yes	7	23%
No	24	77%

II.1 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$4** per month to increase the recycling rate this way?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$16** per month to increase the recycling rate this way?

F22	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Would pay $16	4	13%
Would pay $8	3	10%
Would pay $4	14	45%
Would pay $0	10	32%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **15 minutes** per week recycling?

F22	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1140*	
Base = Those answering	*32*	*100%*
Yes	27	84%
No	5	16%

II.2 IF WOULD NOT SPEND 15 MINUTES: Would your household be willing to spend **5 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 15 MINUTES: Would your household be willing to spend **30 minutes** per week to increase the recycling rate this way?

F22	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1140*	
Base = Those answering	*32*	*100%*
Would spend 30 minutes	16	50%
Would spend 15 minutes	11	34%
Would spend 5 minutes	4	13%
Would spend 0 minutes	1	3%

II.1 Would you household be willing to pay **$8** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F23	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Yes	14	39%
No	22	61%

II.1 IF WOULD NOT PAY $8 PER MONTH: Would your household be willing to pay **$4** per month to increase the recycling rate this way?

IF WOULD PAY $8 PER MONTH: Would your household be willing to pay **$20** per month to increase the recycling rate this way?

F23	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Would pay $16	2	6%
Would pay $8	12	33%
Would pay $4	12	33%
Would pay $0	10	28%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **15 minutes** per week recycling?

F23	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Yes	28	78%
No	8	22%

II.2 IF WOULD NOT SPEND 15 MINUTES: Would your household be willing to spend **10 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 15 MINUTES: Would your household be willing to spend **40 minutes** per week to increase the recycling rate this way?

F23	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would spend 40 minutes	16	46%
Would spend 15 minutes	12	34%
Would spend 10 minutes	4	11%
Would spend 0 minutes	3	9%

II.1 Would you household be willing to pay **$10** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F24	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Yes	6	19%
No	25	81%

II.1 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$2** per month to increase the recycling rate this way?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$15** per month to increase the recycling rate this way?

F24	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Would pay $15	4	13%
Would pay $10	2	6%
Would pay $2	21	68%
Would pay $0	4	13%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **15 minutes** per week recycling?

F24	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1141*	
Base = Those answering	*31*	*100%*
Yes	27	87%
No	4	13%

II.2 IF WOULD NOT SPEND 15 MINUTES: Would your household be willing to spend **10 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 15 MINUTES: Would your household be willing to spend **50 minutes** per week to increase the recycling rate this way?

F24	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1142*	
Base = Those answering	*30*	*100%*
Would spend 50 minutes	8	27%
Would spend 15 minutes	18	60%
Would spend 10 minutes	2	7%
Would spend 0 minutes	2	6%

II.1 Would you household be willing to pay **$10** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F25	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Yes	9	23%
No	30	77%

II.1 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$5** per month to increase the recycling rate this way?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$20** per month to increase the recycling rate this way?

F25	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Would pay $20	2	5%
Would pay $10	7	18%
Would pay $5	12	31%
Would pay $0	18	46%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **20 minutes** per week recycling?

F25	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1134*	
Base = Those answering	*38*	*100%*
Yes	25	66%
No	13	34%

II.2 IF WOULD NOT SPEND 20 MINUTES: Would your household be willing to spend **5 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 20 MINUTES: Would your household be willing to spend **30 minutes** per week to increase the recycling rate this way?

F25	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Would spend 30 minutes	11	31%
Would spend 20 minutes	12	33%
Would spend 5 minutes	8	22%
Would spend 0 minutes	5	14%

II.1 Would you household be willing to pay **$10** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F26	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1132*	
Base = Those answering	*40*	*100%*
Yes	7	18%
No	33	82%

II.1 IF WOULD NOT PAY $10 PER MONTH: Would your household be willing to pay **$5** per month to increase the recycling rate this way?

IF WOULD PAY $10 PER MONTH: Would your household be willing to pay **$25** per month to increase the recycling rate this way?

F26	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
Would pay $25	2	5%
Would pay $10	5	13%
Would pay $5	19	49%
Would pay $0	13	33%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **20 minutes** per week recycling?

F26	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1130*	
Base = Those answering	*42*	*100%*
Yes	27	64%
No	15	36%

II.2 IF WOULD NOT SPEND 20 MINUTES: Would your household be willing to spend **10 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 20 MINUTES: Would your household be willing to spend **40 minutes** per week to increase the recycling rate this way?

F26	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1130*	
Base = Those answering	*42*	*100%*
Would spend 30 minutes	16	38%
Would spend 20 minutes	11	26%
Would spend 5 minutes	11	26%
Would spend 0 minutes	4	10%

II.1 Would you household be willing to pay **$12** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F27	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Yes	7	19%
No	29	81%

II.1 IF WOULD NOT PAY $12 PER MONTH: Would your household be willing to pay **$2** per month to increase the recycling rate this way?

IF WOULD PAY $12 PER MONTH: Would your household be willing to pay **$18** per month to increase the recycling rate this way?

F27	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*36*	*100%*
Would pay $18	3	8%
Would pay $12	4	11%
Would pay $2	23	64%
Would pay $0	6	17%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **20 minutes** per week recycling?

F27	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Yes	24	67%
No	12	33%

II.2 IF WOULD NOT SPEND 20 MINUTES: Would your household be willing to spend **15 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 20 MINUTES: Would your household be willing to spend **50 minutes** per week to increase the recycling rate this way?

F27	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would spend 50 minutes	8	23%
Would spend 20 minutes	16	46%
Would spend 15 minutes	5	14%
Would spend 0 minutes	6	17%

II.1 Would you household be willing to pay **$12** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F28	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1138*	
Base = Those answering	*34*	*100%*
Yes	6	18%
No	28	82%

II.1 IF WOULD NOT PAY $12 PER MONTH: Would your household be willing to pay **$4** per month to increase the recycling rate this way?

IF WOULD PAY $12 PER MONTH: Would your household be willing to pay **$24** per month to increase the recycling rate this way?

F28	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1140*	
Base = Those answering	*32*	*100%*
Would pay $24	1	3%
Would pay $12	5	16%
Would pay $4	16	50%
Would pay $0	10	31%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **30 minutes** per week recycling?

F28	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Yes	19	54%
No	16	46%

II.2 IF WOULD NOT SPEND 20 MINUTES: Would your household be willing to spend **5 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 20 MINUTES: Would your household be willing to spend **45 minutes** per week to increase the recycling rate this way?

F28	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1137*	
Base = Those answering	*35*	*100%*
Would spend 45 minutes	11	32%
Would spend 30 minutes	8	23%
Would spend 5 minutes	12	34%
Would spend 0 minutes	4	11%

II.1 Would you household be willing to pay **$12** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F29	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1140*	
Base = Those answering	*32*	*100%*
Yes	3	9%
No	29	91%

II.1 IF WOULD NOT PAY $12 PER MONTH: Would your household be willing to pay **$6** per month to increase the recycling rate this way?

IF WOULD PAY $12 PER MONTH: Would your household be willing to pay **$28** per month to increase the recycling rate this way?

F29	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1140*	
Base = Those answering	*32*	*100%*
Would pay $28	0	0%
Would pay $12	3	9%
Would pay $6	13	41%
Would pay $0	16	50%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **30 minutes** per week recycling?

F29	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1139*	
Base = Those answering	*33*	*100%*
Yes	20	61%
No	13	39%

II.2 IF WOULD NOT SPEND 20 MINUTES: Would your household be willing to spend **10 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 20 MINUTES: Would your household be willing to spend **55 minutes** per week to increase the recycling rate this way?

F29	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1139*	
Base = Those answering	*33*	*100%*
Would spend 55 minutes	7	21%
Would spend 30 minutes	13	40%
Would spend 10 minutes	11	33%
Would spend 0 minutes	2	6%

II.1 Would you household be willing to pay **$15** per month to increase the recycling rate from 40% to 60% by expanding recycling opportunities to local businesses and organization and creating a facility where recyclables still left in the trash get separated from the rest of the waste collected from households and businesses?

F30	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1138*	
Base = Those answering	*34*	*100%*
Yes	6	18%
No	28	82%

II.1 IF WOULD NOT PAY $15 PER MONTH: Would your household be willing to pay **$5** per month to increase the recycling rate this way?

IF WOULD PAY $15 PER MONTH: Would your household be willing to pay **$30** per month to increase the recycling rate this way?

F30	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1139*	
Base = Those answering	*33*	*100%*
Would pay $30	2	6%
Would pay $15	4	12%
Would pay $5	13	39%
Would pay $0	14	43%

II.2 Program two would achieve the recycling goal by offering curbside recycling of additional materials. This requires more household time for activities such as sorting, and placing materials on the curbside. Would your household be willing to spend an extra **30 minutes** per week recycling?

F30	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Yes	21	58%
No	15	42%

II.2 IF WOULD NOT SPEND 20 MINUTES: Would your household be willing to spend **15 minutes** per week increase the recycling rate this way?

IF WOULD SPEND 20 MINUTES: Would your household be willing to spend **60 minutes** per week to increase the recycling rate this way?

F30	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1136*	
Base = Those answering	*36*	*100%*
Would spend 60 minutes	9	25%
Would spend 30 minutes	12	33%
Would spend 15 minutes	11	31%
Would spend 0 minutes	4	11%

III.1 What is your overall opinion of the current Seattle recycling system?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*21*	
Base = Those answering	*1151*	*100%*
(8) Very Favorable	475	41%
(7)	258	23%
(6) Somewhat Favorable	208	18%
(5)	31	3%
(4) About Neutral	63	5%
(3)	14	1%
(2) Somewhat Unfavorable	29	3%
(1)	15	1%
(0) Very Unfavorable	57	5%

Mean: 6.4, Median: 7.0

III.2 What do you think of these programs. On a zero to 10 scale, with the current Seattle system given a score of five, please provide your rating score for each alternative program.

Version F1

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	42%	$0	24%	3%	22%	11%	22%	14%	3%	0%	0%	0%	3%	7.2	7.0
Ban on recyclables in the trash	46%	-$4	16%	11%	8%	8%	5%	16%	14%	5%	8%	3%	5%	5.8	5.0
Curbside food waste collection	45%	$1	8%	3%	11%	3%	14%	14%	5%	14%	14%	3%	14%	4.5	5.0
Extended non-residential recycling	50%	$2	16%	0%	14%	14%	19%	14%	11%	5%	0%	3%	5%	6.1	6.0
No curbside recycling	30%	-$6	3%	0%	3%	0%	0%	0%	6%	3%	14%	19%	53%	1.3	0.0

Version F2

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	40%	$2	10%	0%	15%	2%	12%	24%	15%	7%	5%	2%	7%	5.2	5.0
Ban on recyclables in the trash	42%	$0	5%	2%	14%	19%	7%	21%	7%	5%	10%	2%	7%	5.3	5.0
Curbside food waste collection	42%	$5	3%	3%	3%	5%	10%	15%	5%	15%	5%	8%	28%	3.3	3.0
Extended non-residential recycling	45%	$6	3%	8%	13%	10%	10%	10%	13%	8%	3%	0%	23%	4.6	5.0
No curbside recycling	25%	$0	0%	0%	0%	0%	0%	5%	0%	2%	5%	22%	66%	0.6	0.0

Version F3

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$1	16%	0%	13%	19%	9%	22%	9%	3%	0%	9%	0%	6.1	6.0
Ban on recyclables in the trash	50%	-$2	16%	9%	6%	13%	6%	16%	6%	3%	6%	0%	19%	5.4	5.0
Curbside food waste collection	48%	$3	0%	6%	6%	6%	13%	0%	13%	13%	10%	10%	23%	3.5	3.0
Extended non-residential recycling	55%	$4	17%	7%	3%	3%	7%	20%	13%	10%	3%	7%	10%	5.1	5.0
No curbside recycling	35%	-$3	0%	0%	0%	0%	0%	6%	6%	6%	0%	10%	71%	0.9	0.0

Version F4

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	42%	$0	28%	3%	5%	15%	23%	5%	8%	5%	0%	0%	0%	7.0	6.0
Ban on recyclables in the trash	42%	-$4	18%	0%	15%	8%	10%	5%	8%	15%	10%	5%	5%	5.5	6.0
Curbside food waste collection	42%	$5	5%	0%	3%	0%	8%	13%	8%	23%	5%	18%	20%	3.0	3.0
Extended non-residential recycling	55%	$2	13%	3%	23%	20%	5%	15%	5%	5%	5%	0%	8%	6.2	7.0
No curbside recycling	30%	$0	0%	0%	0%	0%	3%	5%	0%	5%	8%	8%	73%	0.8	0.0

Version F5

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	42%	$1	8%	5%	15%	8%	10%	18%	20%	3%	8%	0%	8%	5.4	5.0
Ban on recyclables in the trash	50%	$0	21%	3%	10%	8%	3%	15%	15%	5%	8%	3%	10%	5.5	5.0
Curbside food waste collection	48%	$3	5%	0%	8%	8%	5%	8%	13%	10%	13%	13%	20%	3.5	3.0
Extended non-residential recycling	45%	$4	10%	3%	5%	8%	15%	13%	18%	3%	5%	8%	13%	4.7	5.0
No curbside recycling	25%	-$3	0%	3%	3%	0%	0%	0%	0%	8%	5%	13%	70%	0.9	0.0

Version F6

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	41%	$0	29%	9%	3%	9%	18%	26%	0%	0%	0%	0%	6%	7.0	6.0
Ban on recyclables in the trash	46%	-$4	18%	9%	6%	9%	9%	9%	15%	6%	12%	3%	6%	5.6	5.0
Curbside food waste collection	45%	$0	14%	3%	6%	11%	14%	11%	14%	9%	6%	6%	6%	5.4	5.0
Extended non-residential recycling	50%	$1	21%	3%	21%	9%	15%	26%	3%	0%	0%	0%	3%	6.9	7.0
No curbside recycling	32%	-$6	0%	0%	3%	05	0%	9%	3%	0%	14%	17%	54%	1.2	0.0

Version F7

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	39%	$3	6%	0%	8%	8%	6%	25%	14%	11%	0%	8%	14%	4.4	5.0
Ban on recyclables in the trash	41%	$2	8%	6%	6%	6%	11%	14%	14%	14%	6%	6%	11%	4.7	4.0
Curbside food waste collection	40%	$6	0%	3%	0%	3%	6%	14%	11%	8%	8%	17%	31%	2.5	2.0
Extended non-residential recycling	42%	$7	6%	6%	0%	8%	11%	25%	6%	11%	3%	8%	17%	4.3	5.0
No curbside recycling	25%	$0	0%	0%	0%	0%	0%	0%	3%	0%	3%	8%	86%	0.3	0.0

Version F8

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$2	11%	0%	5%	14%	20%	18%	2%	5%	5%	9%	11%	5.0	5.0
Ban on recyclables in the trash	52%	$1	9%	4%	13%	11%	7%	1%	9%	9%	9%	2%	16%	4.9	5.0
Curbside food waste collection	49%	$3	4%	2%	2%	9%	2%	9%	16%	7%	8%	7%	24%	3.3	3.0
Extended non-residential recycling	58%	$4	16%	4%	13%	9%	9%	11%	7%	4%	13%	0%	13%	5.4	6.0
No curbside recycling	40%	-$3	0%	0%	0%	0%	0%	9%	2%	0%	9%	11%	69%	0.8	0.0

Version F9

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	41%	$0	24%	2%	15%	10%	15%	20%	2%	5%	0%	0%	7%	6.6	7.0
Ban on recyclables in the trash	41%	-$4	12%	5%	10%	12%	5%	20%	12%	5%	0%	5%	15%	5.2	5.0
Curbside food waste collection	40%	$6	3%	0%	3%	0%	3%	10%	18%	28%	8%	3%	28%	2.8	3.0
Extended non-residential recycling	58%	$1	24%	2%	27%	15%	5%	10%	5%	2%	7%	0%	2%	7.0	8.0
No curbside recycling	32%	$0	0%	0%	0%	0%	0%	3%	3%	5%	5%	8%	78%	0.6	0.0

Version F10

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	41%	$2	6%	4%	15%	15%	17%	15%	8%	6%	4%	0%	10%	5.5	6.0
Ban on recyclables in the trash	52%	$2	4%	6%	10%	6%	13%	2%	15%	13%	6%	4%	21%	4.2	4.0
Curbside food waste collection	49%	$3	6%	6%	6%	2%	8%	13%	13%	10%	15%	4%	17%	4.1	4.0
Extended non-residential recycling	42%	$4	8%	0%	6%	15%	10%	6%	13%	21%	4%	2%	15%	4.5	4.0
No curbside recycling	25%	-$3	2%	0%	0%	2%	0%	2%	2%	6%	2%	13%	71%	0.9	0.0

Version F11

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	39%	$0	15%	3%	12%	12%	6%	18%	24%	3%	3%	6%	0%	5.9	5.0
Ban on recyclables in the trash	41%	-$4	9%	3%	12%	12%	12%	15%	9%	6%	9%	3%	9%	5.2	5.0
Curbside food waste collection	40%	$0	3%	9%	6%	12%	15%	12%	9%	0%	15%	3%	15%	4.7	5.0
Extended non-residential recycling	42%	$1	13%	22%	9%	16%	9%	16%	3%	3%	6%	0%	3%	6.8	7.0
No curbside recycling	25%	-$6	0%	0%	0%	0%	3%	0%	0%	6%	16%	9%	66%	0.8	0.0

Version F12

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$3	5%	3%	11%	8%	11%	26%	8%	13%	3%	0%	13%	4.9	5.0
Ban on recyclables in the trash	52%	$2	3%	0%	18%	5%	13%	13%	11%	3%	16%	3%	16%	4.4	5.0
Curbside food waste collection	49%	$6	3%	3%	0%	0%	5%	5%	18%	5%	16%	13%	32%	2.4	2.0
Extended non-residential recycling	58%	$7	5%	0%	16%	5%	13%	18%	8%	3%	5%	3%	24%	4.4	5.0
No curbside recycling	40%	$0	0%	0%	0%	0%	0%	3%	0%	3%	3%	22%	70%	0.5	0.0

Version F13

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	39%	$3	9%	0%	2%	2%	7%	25%	11%	7%	7%	5%	25%	3.8	4.0
Ban on recyclables in the trash	41%	$2	12%	2%	5%	2%	0%	19%	16%	12%	5%	7%	21%	4.0	4.0
Curbside food waste collection	49%	$0	16%	5%	7%	5%	7%	21%	5%	0%	12%	9%	14%	4.9	5.0
Extended non-residential recycling	42%	$7	7%	2%	12%	15%	5%	10%	12%	5%	5%	7%	20%	4.5	5.0
No curbside recycling	32%	-$3	0%	0%	0%	0%	0%	5%	0%	0%	9%	12%	74%	0.5	0.0

Version F14

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$0	37%	11%	3%	13%	16%	11%	8%	0%	0%	3%	0%	7.6	7.0
Ban on recyclables in the trash	41%	$2	3%	5%	4%	0%	5%	8%	19%	5%	16%	0%	24%	3.8	4.0
Curbside food waste collection	40%	$6	0%	0%	3%	0%	0%	5%	3%	21%	13%	11%	34%	2.0	2.0
Extended non-residential recycling	42%	$7	3%	3%	6%	8%	11%	14%	14%	3%	11%	14%	14%	3.9	4.0
No curbside recycling	32%	-$3	0%	0%	3%	0%	0%	0%	3%	3%	3%	14%	76%	0.6	0.0

Version F15

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$0	24%	3%	17%	14%	17%	17%	3%	0%	0%	0%	3%	7.1	7.0
Ban on recyclables in the trash	52%	-$4	21%	7%	21%	7%	7%	10%	0%	3%	7%	3%	14	6.0	7.0
Curbside food waste collection	40%	$6	7%	3%	3%	3%	7%	0%	21%	14%	7%	7%	28%	3.4	3.0
Extended non-residential recycling	42%	$7	14%	10%	0%	3%	3%	14%	10%	3%	14%	7%	21%	4.3	4.0
No curbside recycling	32%	-$3	0%	0%	7%	0%	3%	3%	0%	3%	10%	3%	69%	1.3	0.0

Version F16

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$0	30%	13%	10%	13%	7%	10%	7%	3%	0%	0%	7%	7.2	8.0
Ban on recyclables in the trash	50%	-$4	7%	7%	17%	14%	7%	3%	0%	10%	10%	3%	21%	4.8	6.0
Curbside food waste collection	48%	$1	7%	0%	10%	14%	3%	10%	10%	14%	7%	7%	17%	4.2	4.0
Extended non-residential recycling	55%	$2	10%	3%	10%	14%	10%	7%	10%	7%	7%	7%	14%	4.9	5.0
No curbside recycling	35%	-$6	3%	0%	0%	0%	3%	3%	3%	10%	10%	0%	67%	1.3	0.0

Version F17

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	40%	$1	17%	2%	12%	2%	5%	15%	15%	12%	7%	5%	7%	5.2	5.0
Ban on recyclables in the trash	42%	-$2	20%	3%	13%	13%	5%	5%	15%	5%	5%	5%	13%	5.6	6.0
Curbside food waste collection	42%	$3	0%	3%	8%	5%	5%	10%	5%	13%	23%	5%	23%	3.1	2.0
Extended non-residential recycling	45%	$4	10%	3%	8%	3%	15%	5%	15%	3%	18%	3%	18%	4.3	4.0
No curbside recycling	25%	-$3	0%	0%	0	0%	0%	0%	3%	3%	5%	21%	69%	0.5	0.0

Version F18

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$2	6%	6%	9%	13%	9%	13%	6%	13%	6%	0%	19%	4.8	5.0
Ban on recyclables in the trash	46%	$0	13%	3%	6%	13%	9%	19%	9%	6%	9%	0%	13%	5.2	5.0
Curbside food waste collection	48%	$3	3%	3%	0%	0%	13%	16%	3%	9%	22%	3%	28%	3.0	2.0
Extended non-residential recycling	45%	$2	6%	10%	13%	10%	10%	16%	0%	10%	3%	3%	19%	5.0	5.0
No curbside recycling	25%	-$6	0%	0%	0%	0%	0%	0%	3%	6%	3%	3%	84%	0.4	0.0

Version F19

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	40%	$2	14%	5%	16%	0%	3%	14%	11%	16%	3%	5%	14%	5.0	5.0
Ban on recyclables in the trash	50%	-$2	9%	14%	14%	9%	14%	11%	9%	6%	9%	0%	6%	6.0	6.0
Curbside food waste collection	42%	$5	3%	0%	0%	6%	15%	8%	6%	12%	12%	12%	26%	3.0	2.0
Extended non-residential recycling	50%	$4	9%	0%	3%	21%	15%	9%	9%	6%	6%	0%	24%	4.5	5.0
No curbside recycling	25%	-$6	0%	0%	0%	0%	3%	0%	0%	0%	3%	14%	80%	0.4	0.0

Version F20

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	42%	$2	19%	0%	6%	9%	13%	22%	19%	6%	3%	0%	3%	5.9	5.0
Ban on recyclables in the trash	42%	-$4	22%	9%	9%	3%	9%	16%	9%	3%	6%	3%	9%	6.0	6.0
Curbside food waste collection	42%	$1	16%	0%	3%	3%	0%	23%	10%	10%	19%	0%	16%	4.3	4.0
Extended non-residential recycling	45%	$6	9%	13%	3%	19%	13%	13%	6%	6%	13%	0%	6%	5.7	6.0
No curbside recycling	35%	$0	0%	3%	0%	0%	3%	0%	0%	0%	3%	6%	84%	0.6	0.0

Version F21

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$0	22%	3%	22%	8%	22%	19%	3%	0%	0%	0%	0%	7.3	7.0
Ban on recyclables in the trash	52%	-$4	9%	0%	20%	9%	9%	9%	9%	14%	3%	9%	11%	4.9	5.0
Curbside food waste collection	49%	$0	9%	6%	12%	15%	0%	21%	9%	12%	3%	3%	12%	5.2	5.0
Extended non-residential recycling	58%	$1	30%	15%	12%	6%	12%	18%	0%	0%	0%	3%	3%	7.5	8.0
No curbside recycling	40%	-$6	3%	0%	0%	0%	3%	9%	0%	6%	3%	12%	65%	1.3	0.0

Version F22

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	39%	$2	8%	0%	3%	5%	8%	5%	13%	21%	18%	3%	16%	3.7	3.0
Ban on recyclables in the trash	41%	$1	10%	0%	5%	8%	15%	23%	10%	5%	8%	0%	15%	4.8	5.0
Curbside food waste collection	40%	$3	3%	0%	11%	8%	5%	11%	8%	8%	11%	8%	29%	3.3	3.0
Extended non-residential recycling	42%	$4	3%	5%	8%	18%	18%	8%	8%	5%	13%	0%	13%	4.9	6.0
No curbside recycling	25%	-$3	0%	0%	0%	3%	0%	0%	3%	0%	8%	0%	86%	0.5	0.0

Version F23

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	44%	$3	19%	0%	5%	11%	14%	16%	11%	5%	11%	3%	5%	5.5	5.0
Ban on recyclables in the trash	46%	$2	18%	5%	3%	8%	18%	13%	8%	11%	5%	3%	8%	5.6	6.0
Curbside food waste collection	49%	$3	3%	3%	8%	14%	5%	3%	11%	11%	8%	3%	32%	3.5	3.0
Extended non-residential recycling	42%	$1	26%	8%	10%	13%	21%	15%	5%	3%	0%	0%	0%	7.3	7.0
No curbside recycling	25%	-$6	0%	0%	0%	0%	0%	0%	3%	3%	5%	11%	79%	0.4	0.0

Version F24

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	39%	$3	9%	0%	3%	3%	3%	13%	13%	19%	9%	0%	28%	3.8	3.0
Ban on recyclables in the trash	52%	$1	22%	0%	13%	9%	9%	9%	3%	6%	3%	0%	25%	5.3	6.0
Curbside food waste collection	40%	$6	3%	0%	3%	3%	6%	3%	6%	9%	19%	6%	41%	2.3	2.0
Extended non-residential recycling	50%	$4	13%	3%	10%	19%	16%	10%	3%	6%	13%	3%	3%	5.8	6.0
No curbside recycling	25%	-$6	0%	0%	0%	0%	0%	0%	3%	0%	10%	10%	77%	0.4	0.0

Version F25

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	41%	$3	10%	5%	10%	0%	3%	10%	8%	5%	18%	5%	26%	3.8	3.0
Ban on recyclables in the trash	41%	-$4	25%	5%	23%	15%	5%	5%	8%	5%	3%	3%	5%	6.9	8.0
Curbside food waste collection	40%	$0	10%	0%	10%	13%	8%	15%	5%	13%	8%	3%	18%	4.6	5.0
Extended non-residential recycling	42%	$7	13%	3%	0%	5%	3%	10%	18%	5%	13%	5%	28%	3.6	3.0
No curbside recycling	40%	$0	0%	0%	0%	0%	0%	5%	5%	2%	5%	8%	75%	1.5	0.0

Version F26

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	41%	$2	2%	2%	5%	9%	5%	21%	16%	14%	16%	0%	9%	4.2	4.0
Ban on recyclables in the trash	46%	$1	0%	2%	9%	12%	19%	14%	16%	5%	5%	2%	16%	4.5	5.0
Curbside food waste collection	45%	$3	2%	0%	7%	7%	16%	19%	12%	7%	12%	2%	16%	4.1	5.0
Extended non-residential recycling	50%	$4	9%	2%	9%	9%	23%	12%	9%	9%	2%	2%	12%	5.2	6.0
No curbside recycling	32%	-$3	0%	0%	0%	0%	0%	5%	5%	2%	12%	12%	65%	0.8	0.0

Version F27

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	39%	$3	3%	5%	8%	5%	5%	8%	11%	13%	29%	5%	8%	3.9	3.0
Ban on recyclables in the trash	41%	$2	13%	3%	8%	5%	5%	18%	18%	5%	8%	3%	13%	4.9	5.0
Curbside food waste collection	40%	$6	5%	0%	0%	5%	5%	16%	18%	8%	13%	3%	16%	3.4	3.0
Extended non-residential recycling	58%	$1	27%	5%	16%	16%	5%	14%	3%	0%	3%	3%	8%	6.8	7.0
No curbside recycling	32%	-$3	3%	0%	3%	0%	0%	5%	0%	0%	3%	18%	68%	1.0	0.0

Version F28

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	39%	$3	9%	0%	12%	6%	3%	15%	12%	9%	9%	12%	15%	4.2	4.0
Ban on recyclables in the trash	52%	-$4	11%	8%	11%	17%	14%	0%	8%	0%	8%	6%	17%	5.3	6.0
Curbside food waste collection	40%	$6	3%	0%	9%	0%	6%	12%	12%	12%	21%	9%	18%	3.3	3.0
Extended non-residential recycling	42%	$7	6%	3%	18%	9%	12%	6%	3%	9%	21%	9%	6%	4.8	5.0
No curbside recycling	32%	-$3	0%	0%	0%	0%	3%	0%	3%	0%	11%	17%	66%	0.7	0.0

Version F29

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	39%	$3	12%	2%	14%	0%	2%	14%	7%	10%	12%	7%	19%	4.3	4.0
Ban on recyclables in the trash	41%	$2	12%	0%	10%	14%	0%	17%	7%	7%	21%	0%	12%	4.7	5.0
Curbside food waste collection	49%	$0	17%	2%	12%	7%	7%	17%	5%	10%	10%	5%	10%	5.3	5.0
Extended non-residential recycling	58%	$1	41%	5%	17%	7%	7%	12%	0%	2%	0%	5%	2%	7.6	8.0
No curbside recycling	32%	-$3	0%	0%	0%	0%	0%	2%	2%	2%	2%	10%	81%	0.4	0.0

Version F30

Program	Recycling Rate	Fee to Household	10	9	8	7	6	5	4	3	2	1	0	Mean	Med
One container for recyclables	41%	$2	5%	0%	3%	13%	15%	15%	8%	10%	10%	5%	15%	4.2	5.0
Ban on recyclables in the trash	52%	-$4	23%	5%	15%	10%	10%	3%	10%	3%	8%	3%	10%	6.1	7.0
Curbside food waste collection	49%	$0	15%	3%	5%	13%	8%	18%	3%	3%	13%	5%	15%	4.9	5.0
Extended non-residential recycling	50%	$4	13%	8%	5%	10%	13%	15%	3%	0%	10%	8%	15%	5.0	5.0
No curbside recycling	32%	-$3	0%	0%	0%	0%	0%	3%	0%	3%	13%	11%	71%	0.6	0.0

III.3 What garbage can size do you think your household would need under program 2—Seattle system with a ban on recyclables in the trash?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*49*	
Base = Those answering	*1123*	*100%*
Micro (12-gallon) -- $10.05 / month	111	10%
Mini (20-gallon) -- $12.35 / month	361	32%
1-can (32-gallon) -- $16.10 / month	495	44%
2-can (64-gallon) -- $32.20 / month	106	10%
3-can (96-gallon) -- $48.30 / month	22	2%
Other subscription	1	0%
Don't know	27	2%

III.3b What about program 3—Seattle system with curbside food waste?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*67*	
Base = Those answering	*1105*	*100%*
Micro (12-gallon) -- $10.05 / month	170	15%
Mini (20-gallon) -- $12.35 / month	360	33%
1-can (32-gallon) -- $16.10 / month	383	35%
2-can (64-gallon) -- $32.20 / month	93	8%
3-can (96-gallon) -- $48.30 / month	14	1%
Other subscription	1	0%
Don't know	84	8%

III.3c What about program 5—no residential curbside recycling?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*68*	
Base = Those answering	*1104*	*100%*
Micro (12-gallon) -- $10.05 / month	24	2%
Mini (20-gallon) -- $12.35 / month	96	9%
1-can (32-gallon) -- $16.10 / month	298	27%
2-can (64-gallon) -- $32.20 / month	392	36%
3-can (96-gallon) -- $48.30 / month	182	16%
Other subscription	9	1%
Don't know	103	9%

III.4a How do you think the time your household spends recycling would change under program 1—the Seattle system with one container for recyclables?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*113*	
Base = Those answering	*1059*	*100%*
Increase	38	4%
Stay the same	537	51%
Decrease	407	38%
Don't know	77	7%

Amount of extra time spent by those who stated that program 1 would **increase** the time their household spends:

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1138*	
Base = Those answering	*34*	*100%*
1 – 5 minutes	11	32%
6 – 10 minutes	12	35%
11 – 15 minutes	7	21%
16 – 20 minutes	3	9%
21 – 30 minutes	1	3%
31 minutes or more	0	0%

Mean: 10.4 minutes, Median: 10 minutes

Amount of time saved by those who stated that program 1 would **decrease** the time their household spends:

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*767*	
Base = Those answering	*405*	*100%*
1 – 5 minutes	266	66%
6 – 10 minutes	87	21%
11 – 15 minutes	27	7%
16 – 20 minutes	14	3%
21 – 30 minutes	11	3%
31 minutes or more	0	0%

Mean: 7.0 minutes, Median: 5 minutes

III.4b How do you think the time your household spends recycling would change under program 2—the Seattle system with a ban on recyclables in the trash.

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*80*	
Base = Those answering	*1092*	*100%*
Increase	386	35%
Stay the same	554	51%
Decrease	41	4%
Don't know	111	10%

Amount of extra time spent by those who stated that program 2 would **increase** the time their household spends:

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*792*	
Base = Those answering	*380*	*100%*
1 – 5 minutes	105	28%
6 – 10 minutes	110	29%
11 – 15 minutes	58	15%
16 – 20 minutes	50	13%
21 – 30 minutes	40	11%
31 minutes or more	17	4%

Mean: 14.5 minutes, Median: 10 minutes

Amount of time saved by those who stated that program 2 would **decrease** the time their household spends:

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1133*	
Base = Those answering	*39*	*100%*
1 – 5 minutes	12	31%
6 – 10 minutes	19	49%
11 – 15 minutes	4	10%
16 – 20 minutes	2	5%
21 – 30 minutes	2	5%
31 minutes or more	0	0%

Mean: 10.0 minutes, Median: 10 minutes

III.4c How do you think the time your household spends recycling would change under program 3—the Seattle system with curbside recycling of food waste?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*89*	
Base = Those answering	*1085*	*100%*
Increase	589	54%
Stay the same	304	28%
Decrease	21	2%
Don't know	171	16%

Amount of extra time spent by those who stated that program 3 would **increase** the time their household spends:

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*593*	
Base = Those answering	*579*	*100%*
1 – 5 minutes	114	20%
6 – 10 minutes	178	31%
11 – 15 minutes	95	16%
16 – 20 minutes	63	11%
21 – 30 minutes	93	16%
31 minutes or more	36	6%

Mean: 16.6 minutes, Median: 10 minutes

Amount of time saved by those who stated that program 3 would **decrease** the time their household spends:

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*1151*	
Base = Those answering	*21*	*100%*
1 – 5 minutes	8	38%
6 – 10 minutes	5	24%
11 – 15 minutes	2	10%
16 – 20 minutes	3	14%
21 – 30 minutes	3	14%
31 minutes or more	0	0%

Mean: 12.3 minutes, Median: 10 minutes

III.4d How do you think the time your household spends recycling would change under program 5—the Seattle system with no residential curbside recycling?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*97*	
Base = Those answering	*1075*	*100%*
Increase	234	20%
Stay the same	182	16%
Decrease	448	38%
Don't know	211	18%

Amount of extra time spent by those who stated that program 5 would **increase** the time their household spends:

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*952*	
Base = Those answering	*220*	*100%*
1 – 5 minutes	11	5%
6 – 10 minutes	24	11%
11 – 15 minutes	24	11%
16 – 20 minutes	21	9%
21 – 30 minutes	61	28%
31 minutes or more	79	36%

Mean: 34.9 minutes, Median: 30 minutes

Amount of time saved by those who stated that program 5 would **decrease** the time their household spends:

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*740*	
Base = Those answering	*432*	*100%*
1 – 5 minutes	92	21%
6 – 10 minutes	127	29%
11 – 15 minutes	85	20%
16 – 20 minutes	59	14%
21 – 30 minutes	50	12%
31 minutes or more	19	4%

Mean: 15.0 minutes, Median: 10 minutes

IV.1 What is your gender?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*41*	
Base = Those answering	*1131*	*100%*
Male	564	50%
Female	567	50%

IV.2 What is your age?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*65*	
Base = Those answering	*1107*	*100%*
18 – 24	13	1%
25 – 34	163	15%
35 – 44	274	25%
45 – 54	276	25%
55 – 64	199	18%
65 or older	182	16%
Average Age	*49.9 years*	

IV.3 About how many years of schooling have you completed?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*49*	
Base = Those answering	*1123*	*100%*
High school graduate or less	117	10%
Some college	206	18%
4-year college graduate	333	30%
Post graduate work/degree	467	42%

IV.4 Including yourself, how many people currently live in your household?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*63*	
Base = Those answering	*1109*	*100%*
One	236	21%
Two	463	42%
Three	192	17%
Four or more	218	20%

Mean: 2.4 people in household

IV.4a Of these people, how many are children 0 to 5 years old?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*46*	
Base = Those answering	*1126*	*100%*
None	952	85%
One	122	11%
Two	47	4%
Three or more	5	<1%

Mean: 0.2 people between 0 and 5 years old

IV.4b Of these people, how many are children 6 to 18 years old?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*46*	
Base = Those answering	*1126*	*100%*
None	897	80%
One	125	11%
Two	81	7%
Three or more	22	2%

Mean: 0.3 people between 6 and 18 in household

IV.4c Of these people, how many are 19 to 21 years old?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*47*	
Base = Those answering	*1125*	*100%*
None	1061	94%
One	41	4%
Two	16	1%
Three or more	7	1%

Mean: 0.1 people 19 to 21 in household

IV.5 Do you own or rent the house you currently live in?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*47*	
Base = Those answering	*1125*	*100%*
Own	1032	92%
Rent	93	8%

IV.6 How many people in your household, including yourself, work to earn income?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*71*	
Base = Those answering	*1101*	*100%*
None	174	16%
One	354	32%
Two	505	46%
Three or more	68	6%

Mean: 1.4 income earners

IV.7 Which of these categories most closely describes your total annual household income before tax?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*149*	
Base = Those answering	*1023*	*100%*
Under $25,000	76	8%
$24,000 - $34,999	63	6%
$35,000 - $44,999	78	8%
$45,000 - $54,999	81	8%
$55,000 - $74,999	185	18%
$75,000 - $94,999	156	15%
$95,000 - $119,999	138	13%
$120,000 - $149,999	101	10%
$150,000 or more	145	14%

Mean: $87,600 household income

IV.8 Which of the following would describe your employment status?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*51*	
Base = Those answering	*1121*	*100%*
Employed full-time	594	53%
Employed part-time	90	8%
Part- or Full-time telecommute	11	1%
Self-Employed (Full- or Part-Time)	171	15%
Homemaker	64	6%
Student	31	3%
Temporarily unemployed	20	2%
Retired	211	19%
Disabled and unable to work	18	2%

IV.9 About how many hours per week do you spend on household "maintenance activities—cooking, cleaning, gardening, child care and so on (including recycling, but excluding recreational time)?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*96*	
Base = Those answering	*1076*	*100%*
O to 5 hours	178	17%
6 to 10 hours	297	28%
11 to 15 hours	154	14%
16 to 20 hours	179	17%
21 to 30 hours	134	12%
31 hours or more	134	12%

Mean: 18.1 hours per week

IV.10 About how many hours per week do you typically work to earn income?

	Frequency	Percent
Total Sample	*1172*	
Did not answer this question	*59*	
Base = Those answering	*1113*	*100%*
1 to 39 hours	190	17%
40	292	26%
41 – 50 hours	242	22%
51 hours or more	114	10%
Does not apply / I don't work to earn income	275	25%

Mean: 41.8 hours worked

IV.10a Do you receive an hourly wage or do you receive a salary (such as per week or month)?

	Frequency	Percent
Total Sample	*1172*	
Not applicable/Did not answer this question	*365*	
Base = Those answering	*807*	*100%*
Hourly wage	260	32%
Salary	506	63%
Other	41	5%

IV.10b Do you work a fixed schedule (such as 9-5 Monday through Friday) or are you free to choose when and how long to work?

	Frequency	Percent
Total Sample	*1172*	
Not applicable/Did not answer this question	*366*	
Base = Those answering	*806*	*100%*
Fixed hours	444	55%
Free to choose	362	45%

IV.10c Would you be willing to work fewer hours for a proportionally lower salary in order to have more free time?

	Frequency	Percent
Total Sample	*1172*	
Not applicable/Did not answer this question	*757*	
Base = Those answering	*415*	*100%*
Yes	141	34%
No	274	66%

IV.10d Approximately which of the following categories most closely describes your earnings per hour worked, before taxes and other deductions?

	Frequency	Percent
Total Sample	*1172*	
Not applicable/Did not answer this question	*470*	
Base = Those answering	*702*	*100%*
Under $20 per hour	148	21%
$20 to $24.99 per hour	108	15%
$25 to $29.99 per hour	104	15%
$30 to $34.99 per hour	78	11%
$35 to $49.99 per hour	126	18%
$50 or more	138	20%

Mean: $32.40 per hour

V.1 On a scale of one to five with one meaning “strongly disagree” and five meaning “strongly agree,” please indicate the extent to which you disagree or agree with the following statements.

	Base	Strongly Disagree 1	2	3	4	Strongly Agree 5	Mean
The ecological crisis facing humankind has been greatly exaggerated	1098	51%	19%	16%	8%	5%	2.0
Plants and animals have as much right as humans to exist	1098	5%	8%	20%	26%	41%	3.9
Human resourcefulness will insure that we do not make the earth unlivable	1095	9%	22%	21%	25%	24%	3.3
The earth has very limited room and resources	1085	4%	6%	14%	30%	46%	4.1
The balance of nature is strong enough to cope with the impacts of industrial nations	1094	48%	34%	10%	6%	3%	1.8
Contributions to community organizations rarely improve the lives of others	1094	40%	34%	16%	7%	4%	2.0
The individual alone is responsible for his or he well-being in life	1092	19%	28%	22%	18%	13%	2.8
It is my ethical duty to help other people when they are unable to help themselves	1090	2%	5%	22%	45%	27%	3.9
My responsibility is to provide only for my family and myself	1091	32%	39%	16%	8%	5%	2.1
My personal actions can greatly improve the well-being of people I don’t know	1095	2%	4%	18%	40%	35%	4.0

V.2 What motivates you to recycle? On a scale of one to five with one meaning "strongly disagree" and five meaning "strongly agree," please indicate the extent to which you disagree or agree with the following statements.

		Strongly Disagree				Strongly Agree	
	Base	1	2	3	4	5	Mean
It saves me money since I am able to use a smaller garbage container	1111	18%	13%	28%	22%	19%	3.1
I want to be a socially responsible person	1115	1%	1%	9%	32%	57%	4.4
I want other people to think of me as a responsible person	1106	12%	12%	41%	19%	16%	3.1
Regardless of what other people might think, I feel it is my ethical duty	1117	2%	2%	11%	33%	53%	4.3
I find it to be a pleasant activity in itself, compared to other "everyday" chores	1111	10%	16%	46%	19%	9%	3.0
It is a good way to contribute to preserving environmental quality	1119	1%	1%	6%	34%	59%	4.5
It is a good way to contribute to conserving scarce natural resources	1117	1%	1%	6%	32%	60%	4.5
I feel it is expected of me	1113	5%	9%	31%	33%	23%	3.6

V.3 What makes you less motivated or hesitate to recycle? On the same scale as before, please indicate the extent to which you disagree or agree with the following statements.

		Strongly Disagree				Strongly Agree	
	Base	1	2	3	4	5	Mean
I don't think recycling benefits me personally	1113	42%	30%	13%	3%	2%	1.7
I don't think recycling provides benefits to the community/society	1106	68%	23%	5%	3%	1%	1.5
It is often difficult to know what items can or cannot be recycled	1106	18%	25%	24%	27%	7%	2.8
It takes too much time	1108	48%	30%	16%	5%	1%	1.8
I don't have enough recyclables	1101	60%	25%	11%	3%	1%	1.6
It is difficult to find room/space for temporarily storing recyclable items	1106	38%	26%	14%	16%	5%	2.2
Other people are not doing enough	1103	17%	14%	37%	19%	13%	3.0

V.4 Seattle Green Power is a City Light program wherein households and businesses can voluntarily contribute money to the development of clean energy with zero greenhouse gas emissions. Households can choose to make voluntary monthly payments of $3, $7 or $10 via their utility bill. Have you heard about Seattle Green Power before?

	Frequency	Percent
Total Sample	*1172*	
Not applicable/Did not answer this question	*71*	
Base = Those answering	*1101*	*100%*
Yes	369	34%
No	732	66%

V.4a Does your household currently participate in the Green Power program?

	Frequency	Percent
Total Sample	*1172*	
Not applicable/Did not answer this question	*809*	
Base = Those answering	*363*	*100%*
Yes	57	16%
No	306	84%

V.4b Do you know of anyone (other than your own household) participating in the Green Power program?

	Frequency	Percent
Total Sample	*1172*	
Not applicable/Did not answer this question	*814*	
Base = Those answering	*358*	*100%*
Yes	41	11%
No	317	89%

V.4c How likely is it that your household would participate in this program in the near future?

	Frequency	Percent
Total Sample	*1172*	
Not applicable/Did not answer this question	*99*	
Base = Those answering	*1073*	*100%*
Highly likely	124	12%
Somewhat likely	423	39%
Somewhat unlikely	308	29%
Highly unlikely	218	20%

V.5 On a scale from one to five with one being “never” and five being “regularly,” please indicate how often you or anyone else in your household does any of the following.

		Never				Regularly	
	Base	1	2	3	4	5	Mean
Carpool or take public transportation	1105	21%	27%	19%	9%	24%	2.9
Buy organic food items or locally grown produce	1106	7%	17%	26%	21%	30%	3.5
Give preference to products marked as environmentally friendly	1102	8%	13%	28%	28%	23%	3.5
Give preference o products that are not tested on animals	1095	17%	17%	27%	19%	20%	3.1
Use a bike as a mode of transportation (not for recreation)	1100	64%	16%	8%	4%	7%	1.7
Donate money to an environmental group or cause	1103	21%	21%	24%	18%	16%	2.9
Donate time to an environmental group or cause	1102	47%	29%	14%	6%	4%	1.9

RECYCLING IN SEATTLE: WHAT DO YOU THINK?

A Household Recycling Survey

Survey Instrument Version A

College of Agricultural and Environmental Sciences
University of California
Davis, California

Your Opinion is Valuable!

Seattle has been selected as a test City for recycling research. Help us understand what residents in Seattle think about recycling! By completing this survey, you will be assisting policymakers and planners across the country in providing better services to the public.

- ✓ Regardless of whether you think recycling is a good idea or not, we need **your** opinions! Please take time now to complete your answers and return this booklet in the postage-paid envelope provided.
- ✓ There are no "right" or "wrong" answers - simply answer the questions to the best of your ability.
- ✓ Please answer every question in the survey so the results are complete.

Your answers are strictly confidential and anonymous. We do <u>not</u> provide any information to commercial interests or solicitors.

I. CURRENT RECYCLING ACTIVITIES

To understand the efforts households put into recycling, the following questions ask how much you recycle and how much time you spend on recycling activities. Some questions may be difficult to answer, but please give us your best estimate.

1. Paper, Cardboard, Plastics, Metals, and Glass

<u>1a.</u> Think about <u>recyclable</u> *paper*, *cardboard*, *plastics*, *metals*, and *glass* that you deal with in your home. What does your household *usually* do with these types of material items? (Check each box that applies.)

□ Throw them away with the regular garbage
□ Recycle them through the curbside (or alley) program
□ Take them to a recycling and disposal (transfer) station
□ Donate them to a charity
□ Recycle them for money
□ Other (specify)_____

<u>1b.</u> Of all <u>recyclable</u> *paper*, *cardboard*, *plastics*, *metals*, and *glass* that **could be recycled**, what overall percentage would you say your household **actually does** recycle? (Please give your best, honest estimate. Check only one box.)

□ 0%	□ 21-30%	□ 51-60%	□ 71-75%	□ 86-90%
□ 1-10%	□ 31-40%	□ 61-65%	□ 76-80%	□ 91-95%
□ 11-20%	□ 41-50%	□ 66-70%	□ 81-85%	□ 96-100%

<u>1c.</u> Recycling <u>these items</u> may take extra time. Think about the efforts to (1) sort; (2) wash/clean; (3) temporarily store; and (4) carry recyclables to the curbside/alley or take them to a recycling and disposal (transfer) station.

About how many **<u>extra minutes per week</u>** does your household spend on recycling instead of throwing these items away? (Check only one box.)

□ 0 min/week	□ 11-15	□ 26-30	□ 41-50
□ 1-5 min/week	□ 16-20	□ 31-35	□ 51-60
□ 6-10	□ 21-25	□ 36-40	□ more than 60 min/week

2. Food Waste 

2a. Think about the total amount of food waste that your household deals with in a typical week. What percentage of this food waste is handled by each of the following methods? (Please give your best estimate. The percentages should total 100%.)

Thrown in the regular garbage..…..……..... ____%
Put down the garbage disposal……..... ____%
Composted (e.g. back yard, worm bin, etc.)..... ____%
Other method…… ____%

= 100% of all food waste

2b. About how many minutes per week does your household spend on food waste composting? (Check one box. If your household doesn't compost, check "0 min/week".)

□ 0 min/week	□ 11-15	□ 26-30	□ 41-50
□ 1-5 min/week	□ 16-20	□ 31-35	□ 51-60
□ 6-10	□ 21-25	□ 36-40	□ more than 60 min/week

3. Yard Waste 

3a. Of the total amount of yard waste generated by your household, what percentage is handled by each of these methods? (The percentages should total 100%.)

Taken to the curb/alley and picked up by the City… ____%
Taken to recycling and disposal (transfer) station…. ____%
Composted (in the back yard)…...…...……..... ____%
Other method…… ____%

= 100% of all yard waste

□ We don't have a yard and/or yard waste.

3b. About how many minutes per week does your household spend on (back yard) yard waste composting? (Check one box. If your household doesn't compost, check "0 min/week".)

□ 0 min/week	□ 11-15	□ 26-30	□ 41-50
□ 1-5 min/week	□ 16-20	□ 31-35	□ 51-60
□ 6-10	□ 21-25	□ 36-40	□ more than 60 min/week

4. Recycling and Disposal (Transfer) Stations 

4a. In the **last twelve months**, about how many times did you, or someone else in your household, make each of the following types of trips to a City (or other) recycling and disposal station?

TRIPS WITH…
- **just** recyclables (paper, cardboard, plastics, metals, glass), nothing else... _____
- **just** yard waste..…...……..……..... _____
- **just** garbage (or construction debris)..... _____
- **just** oil, appliances, tires, batteries, and/or wood waste…..…..... _____
- Combination of different material types……..... _____

= Total trips to a recycling and disposal station

5. Who Recycles and Composts in Your Household?

5a. Think about the total time that your household spends recycling and composting. Please, give us your best estimate of the percentage of this time contributed by each member of your household:

Recycle (paper, cardboard, plastics, etc.)
Yourself……..____%
+ Spouse or domestic partner…….____%
+ Other household members……..____%
= Total Household Recycling..…….. **100 %**

☐ Doesn't apply.

Compost (food waste and/or yard waste)
Yourself……..____%
+ Spouse or domestic partner…….____%
+ Other household members……..____%
= Total Household Composting..…… **100 %**

☐ Doesn't apply.

6. Garbage Collection Services

6a. What **trash can size** (collection service level) does your household *currently* use? (Check the appropriate box below.)

Micro (12 gallon)	Mini (20-gallon)	1-Can (32-gallon)	2-Can (64-gallon)	3-Can (96-gallon)	Other subscription	Don't Know
$10.05/month	$12.35/month	$16.10/month	$32.20/month	$48.30/month		
☐	☐	☐	☐	☐	☐	☐

Note: Images are for illustration purposes and may not match exactly your household's current style of garbage can.

7. Perception of Other People's Recycling Behavior

7a. When you think about **other people that you know personally**, what is your impression of how much of their **recyclable** paper, cardboard, plastics, metals, and glass they recycle?

My best guess would be that they recycle about…

☐ 0% ☐ 21-40% ☐ 61-70% ☐ 81-85% ☐ 91-95%
☐ 1-20% ☐ 41-60% ☐ 71-80% ☐ 86-90% ☐ 96-100%

7b. Still thinking about the same group of people, **what percentage of these households** would you guess do home composting (e.g. in their back yard)?

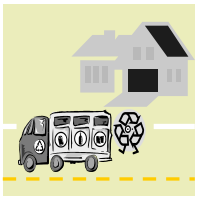
I would guess that____% of them compost food waste,

and____% of them compost yard waste.

7c. When you think about the **general Seattle population**, would you say that **your household** recycles *more*, *less*, or *about the same* percentage of recyclables, as the "average" Seattle household?

☐ More ☐ Less ☐ About the Same ☐ Don't know

II. SEATTLE'S CURBSIDE RECYCLING PROGRAM



The next two questions are about curbside/alley recycling for paper, cardboard, plastics, metals, and glass (not yard waste).

1. As you may know, many communities face increasing costs of providing public programs, often, at the same time as available budgets are declining. Seattle households are not charged directly for curbside recycling (though the costs of the program are partly rolled into garbage collection fees).

We would like to know how households value this program and how much you would be willing to pay if it became necessary to charge an additional fee to continue this program in your community. Carefully consider your household's budget. Any payment you make for this program would mean that you have less money available for other uses.

Would your household be willing to pay **$4** per month for curbside recycling, if it was necessary to charge a fee to continue the program in your community? (Please check YES or NO below and follow the arrows.)

☐ YES ⇒ If YES..... Would you pay **$16** per month? ☐ YES ☐ NO

☐ NO ⇘

If NO..... Would you pay **$2** per month? ☐ YES ☐ NO

2. Central waste sorting is as an alternative to curbside recycling. This system reduces the time and effort required on the part of households. It works as follows: (1) Recyclable items and garbage are put in the same container. (2) The content of this container is collected by a truck and taken to a waste sorting facility. (3) **Recyclable items** are **separated out**. Communities in the US that have adopted central waste sorting have experienced that it can be designed to:

- ✓ Achieve the same *quantity* and *quality* of recycling as a curbside recycling system.
- ✓ Have the same *environmental impacts* as a curbside recycling system.

If your community had such a program instead of curbside recycling, the differences for *your household* would be that:

- o **You would save the time you currently spend participating in the curbside recycling program.**
- o There would be a fee to your household to pay for the program.

Would your household be willing to pay **$4** per month to switch from your community's **current** curbside recycling program to a central waste sorting system? (Please check YES or NO below and follow the arrows.)

☐ YES ⇒ If YES..... Would you pay **$12** per month? ☐ YES ☐ NO

☐ NO ⇘

If NO..... Would you pay **$2** per month? ☐ YES ☐ NO

III. MORE ABOUT YOUR PREFERENCES FOR RECYCLING PROGRAMS

In this section, we would like you to rate the current recycling system in Seattle. *We also ask your opinion about five alternative programs adopted in other US communities*.

The Current Seattle Recycling System

This describes Seattle's current services:

About 40% of all Seattle waste is recycled instead of going to landfills.

✓ Garbage is collected weekly for monthly fee based on size and number of trash cans.
✓ Bi-weekly curbside collection of recyclables (paper, cardboard, plastics, metals, and glass).
✓ Glass must be separated from the other recyclable items.
✓ Yard waste is not permitted in the garbage can, but households can subscribe to yard waste collection.

---

1. What is your overall opinion of this recycling system? From "Very Unfavorable" to "Very Favorable", please indicate your overall opinion by checking one of the boxes below.

Very Unfavorable	Somewhat Unfavorable	About Neutral	Somewhat Favorable	Very Favorable
☐ -----	☐ -----	☐ -----	☐ -----	☐ ----- ☐ ----- ☐ ----- ☐ ----- ☐

Some Alternative Recycling Programs

The table on the next page describes five alternative recycling programs (*first column*) – and asks you to rate them relative to the current Seattle system. Each program differs in how much it would cost and how much recycling it would achieve, **if it was adopted in Seattle**.

DEFINITION OF KEY PROGRAM FEATURES:

Projected Seattle-Wide Recycling Rate: The percentage of all Seattle waste that would be recycled instead of going to landfills (*second column*).

Estimated Monthly Fee per Household: The dollar amount that would be added to (or subtracted from) your household's utility bill (*third column*).

Also, in rating the programs, take a moment to think about how each alternative program would affect your household indirectly through:

- The types and quantity of materials that can be recycled, and, therefore, what **size garbage can** your household would need. 
- The amount of **time** your household would have to spend on **recycling activities**. 

LET'S RATE! 

2. What do YOU think of programs 1-5 in the table? On a **0-10** rating scale, **with the current Seattle system given a score of 5**, please provide your rating score for each alternative program, in the **last column** of the table.

Much Worse — **Same as Current Seattle System** — **Much Better**

0 1 2 3 4 **5** 6 7 8 9 **10**

RATINGS HERE

RECYCLING PROGRAMS	FEATURE 1: Seattle-Wide Recycling Rate	FEATURE 2: Fee To Your Household	Your Rating (0 to 10)
The Current Seattle Recycling System	**40%**	**No Change**	**5**
PROGRAM 1: **Seattle System with One Container for Recyclables** …same as current system PLUS **glass** items can be put in the same container as paper, plastics, metals.	**42%**	**$1** / month	☐
PROGRAM 2: **Seattle System with Ban on Recyclables in the Trash** …same as current system EXCEPT recyclables are prohibited from the regular trash.	**50%**	**$0** / month	☐
PROGRAM 3: **Seattle System with Curbside Food Waste Collection** …same as current system PLUS bi-weekly curbside collection of food waste.	**48%**	**$3** / month	☐
PROGRAM 4: **Seattle System with Extended Non-Residential Recycling** …same as current system PLUS more recycling opportunities for businesses and local organizations.	**45%**	**$4** / month	☐
PROGRAM 5: **No Residential Curbside Recycling** …same garbage and yard waste services as the current system. But **no** curbside recycling of paper, cardboard, plastics, metals, and glass.	**25%**	**-$3** / month	☐

3. Your Garbage Can under Alternative Programs

Programs 2, 3, and 5 may cause you to change your level of garbage collection service, since they affect the types and amounts of materials you can recycle. Please give us your best estimate of what garbage can size you would use under each of these programs.

3a. What **garbage can size** do you think your household would need under **Program 2**: Seattle System with Ban on Recyclables in Trash? (Check one box.)

Micro (12-gallon)	Mini (20-gallon)	1-Can (32-gallon)	2-Can (64-gallon)	3-Can (96-gallon)	Other subscription	Don't Know
☐	☐	☐	☐	☐	☐	☐

3b. What about **Program 3**: Seattle System with Curbside Food Waste?

Micro (12-gallon)	Mini (20-gallon)	1-Can (32-gallon)	2-Can (64-gallon)	3-Can (96-gallon)	Other subscription	Don't Know
☐	☐	☐	☐	☐	☐	☐

3c. What about **Program 5**: No Residential Curbside Recycling?

Micro (12-gallon)	Mini (20-gallon)	1-Can (32-gallon)	2-Can (64-gallon)	3-Can (96-gallon)	Other subscription	Don't Know
☐	☐	☐	☐	☐	☐	☐

4. Time Spent Recycling under Alternative Programs

The time you spend recycling may change under Programs 1, 2, 3, and 5. We realize that this may be difficult to estimate, but please just give us your best guess.

4a. How do you think the **time your household spends recycling** would change under **Program 1:** Seattle System with One Container for Recyclables? Check one box (and fill in the blank).

☐ Increase_____minutes/week	☐ Decrease_____minutes/week	☐ Stay the same	☐ Don't Know

4b. What about **Program 2**: Seattle System with Ban on Recyclables in Trash?

☐ Increase_____minutes/week	☐ Decrease_____minutes/week	☐ Stay the same	☐ Don't Know

4c. What about **Program 3**: Seattle System with Curbside Recycling of Food Waste?

☐ Increase_____minutes/week	☐ Decrease_____minutes/week	☐ Stay the same	☐ Don't Know

4d. What about **Program 5**: No Residential Curbside Recycling?

☐ Increase_____minutes/week	☐ Decrease_____minutes/week	☐ Stay the same	☐ Don't Know

IV. ABOUT YOU

To make sure this survey reflects the general Seattle population, the next questions are for classification purposes only. Questions 8, 9 and 10 ask about your employment status so that we can understand how different people divide their time between different activities. This information is kept strictly confidential. Only summary results, compiled over all participants, are reported.

1. What is your gender? □ MALE □ FEMALE

2. What is your age? I AM____YEARS OLD.

3. About how many years of schooling have you completed (please circle one number)?

1 2 3 4 5 6	7 8 9	10 11 12	13 14 15 16	17 18 19 20 21 22
(Elementary)	(Jr. High)	(High School)	(College)	(Graduate or Professional)

4. Including yourself, how many people currently live in your household?.....____

4a. Of these people, how many are children 0-5 years old?..____
4b. How many are children 6-18 years old?..... ____
4c. How many are 19-21 years old?..... ____

5. Do you own or do you rent the house you currently live in? □ OWN □ RENT

6. How many people in your household, **including yourself**, work to earn income?____

7. Which of these categories most closely describes your total annual household income before tax?

□ UNDER $25,000
□ $25,000-$34,999
□ $35,000-$44,999
□ $45,000-$54,999
□ $55,000-$74,999
□ $75,000-$94,999
□ $94,000-$119,999
□ $120,000-$149,999
□ $150,000 OR MORE

8. Which of the following would describe **your** *employment status*? (Check any box that applies.)

□ Employed full-time
□ Employed part-time
□ Part- or full time telecommute (work from home)
□ Self-employed (part- or full time)
□ Homemaker (part- or full time)
□ Student (part- or full time)
□ Temporarily unemployed
□ Retired
□ Disabled and unable to work

9. About how many hours per week do **you** spend on household "maintenance" activities - cooking, cleaning, gardening, child care, and so on (including recycling, but excluding recreational time)?

I SPEND ABOUT____HOURS PER WEEK ON SUCH ACTIVITIES.

10. About how many **hours per week** do you typically **work to earn income**?

I WORK ABOUT_____HOURS PER WEEK. → **Please continue to 10a-10d**
□ Does not apply to me/don't work to earn income → **Please go to section V**

10a. Do you receive an hourly **wage** or do you receive a **salary** (such as per week or month)?

□ AN HOURLY WAGE □ A SALARY

10b. Do you work a **fixed schedule** (such as 9-5 Monday-Friday) or are you **free to choose** when and how long to work?

□ FIXED HOURS □ FREE TO CHOOSE

10c. If you answered "FIXED HOURS" in 10b, would you be willing to work fewer hours for a proportionally lower salary, in order to have more free time?

□ YES □ NO □ Does not apply

10d. Approximately, which of the following categories most closely describes **your earnings per hour worked**, before taxes and other deductions? (Please check only one box.)

□ UNDER $5 per hour	□ $15-19.99	□ $30-$34.99	□ $45-$49.99
□ $5-$9.99 per hour	□ $20-$24.99	□ $35-$39.99	□ $50 or more per hour
□ $10-14.99	□ $25-$29.99	□ $40-$44.99	

V. SOME MORE ABOUT YOU

1. On a scale of **1-5** with **1** meaning "strongly disagree" and **5** meaning "strongly agree", please indicate the extent to which you disagree or agree with the following statements. (Please check the box under the number that best describes how you feel.)

	Strongly Disagree		About Neutral		Strongly Agree
STATEMENTS :	**(1)**	**(2)**	**(3)**	**(4)**	**(5)**
The *ecological crisis* facing humankind has been greatly exaggerated.	□	□	□	□	□
Plants and animals have as much right as humans to exist.	□	□	□	□	□
Human resourcefulness will insure that we do not make the earth unlivable.	□	□	□	□	□
The earth has very limited room and resources.	□	□	□	□	□
The balance of nature is strong enough to cope with the impacts of industrial nations.	□	□	□	□	□
Contributions to community organizations rarely improve the lives of others.	□	□	□	□	□
The individual alone is responsible for his or her well-being in life.	□	□	□	□	□
It is my ethical duty to help other people when they are unable to help themselves.	□	□	□	□	□
My responsibility is to provide only for my family and myself.	□	□	□	□	□
My personal actions can greatly improve the well-being of people I don't know.	□	□	□	□	□

2. What **motivates** you to recycle? On a scale of 1-5 with 1 "strongly disagree" and 5 "strongly agree", please indicate the extent to which you disagree or agree with the following statements.

	Strongly Disagree		About Neutral		Strongly Agree
STATEMENTS: I recycle because…	**(1)**	**(2)**	**(3)**	**(4)**	**(5)**
..It saves me money since I am able to use a smaller garbage container.	□	□	□	□	□
..I want to be a socially responsible person.	□	□	□	□	□
..I want other people to think of me as a responsible person.	□	□	□	□	□
..Regardless of what other people might think, I feel it is my ethical duty.	□	□	□	□	□
..I find it to be a pleasant activity in itself, compared to other 'everyday' chores.	□	□	□	□	□
..It is a good way to contribute to preserving environmental quality.	□	□	□	□	□
..It is a good way to contribute to conserving scarce natural resources.	□	□	□	□	□
..I feel it is expected of me.	□	□	□	□	□

3. What makes you less motivated or hesitant to recycle? On the same scale as before, please indicate the extent to which you disagree or agree with the following statements.

	Strongly Disagree		About Neutral		Strongly Agree
STATEMENTS:	**(1)**	**(2)**	**(3)**	**(4)**	**(5)**
I don't think recycling benefits me personally.	☐	☐	☐	☐	☐
I don't think recycling provides benefits to the community/society.	☐	☐	☐	☐	☐
It is often difficult to know what items can or cannot be recycled.	☐	☐	☐	☐	☐
It takes too much time.	☐	☐	☐	☐	☐
I don't have enough recyclables.	☐	☐	☐	☐	☐
It is difficult to find room/space for temporarily storing recyclable items.	☐	☐	☐	☐	☐
Other people are not doing enough.	☐	☐	☐	☐	☐

4. Seattle Green Power is a City Light program wherein households and businesses can voluntarily contribute money to the development of **clean energy** with zero greenhouse gas emissions. Households can choose to make voluntary monthly payments of $3, $7, or $10 via their utility bill.

Have you heard about **Seattle Green Power** before?

☐ YES (**please go to 4a**) ☐ NO (**please go to 4c below**)

4a. Does your household currently participate in the Green Power program? ☐ YES ☐ NO

4b. Do you know of anyone (other than your own household) participating in the Green Power program? ☐ YES ☐ NO

4c. How likely is it that your household would participate in this program in the near future?

☐ Highly unlikely ☐ Somewhat unlikely ☐ Somewhat likely ☐ Highly likely

5. On a scale from 1-5 with **1** being "never" and **5** being "regularly", please indicate how often you, or anyone else in your household, does any of the following:

	Never				Regularly
ACTIVITY	**(1)**	**(2)**	**(3)**	**(4)**	**(5)**
Carpool or take public transportation.	☐	☐	☐	☐	☐
Buy organic food items or locally grown produce.	☐	☐	☐	☐	☐
Give preferences to products marked as *environmentally friendly*.	☐	☐	☐	☐	☐
Give preferences to products that are not tested on animals.	☐	☐	☐	☐	☐
Use a bike as a mode of transportation (not for recreation).	☐	☐	☐	☐	☐
Donate money to an environmental group or cause.	☐	☐	☐	☐	☐
Donate time to an environmental group or cause.	☐	☐	☐	☐	☐

THANK YOU FOR FILLING OUT THIS SURVEY!

☐ Send me a copy of the survey results.

Address:

Please provide us with comments! We'd like to know what you think of this survey and also hear any other opinions you have about this topic!

RECYCLING IN SEATTLE: WHAT DO YOU THINK?

A Household Recycling Survey

Survey Instrument Version B

College of Agricultural and Environmental Sciences
University of California
Davis, California

F18

Your Opinion is Valuable!

Seattle has been selected as a test City for recycling research. Help us understand what residents in Seattle think about recycling! By completing this survey, you will be assisting policymakers and planners across the country in providing better services to the public.

- ✓ Regardless of whether you think recycling is a good idea or not, we need **your** opinions! Please take time now to complete your answers and return this booklet in the postage-paid envelope provided.
- ✓ There are no "right" or "wrong" answers - simply answer the questions to the best of your ability.
- ✓ Please answer every question in the survey so the results are complete.

Your answers are strictly confidential and anonymous. We do <u>not</u> provide any information to commercial interests or solicitors.

I. CURRENT RECYCLING ACTIVITIES

To understand the efforts households put into recycling, the following questions ask how much you recycle and how much time you spend on recycling activities. Some questions may be difficult to answer, but please give us your best estimate.

1. Paper, Cardboard, Plastics, Metals, and Glass

<u>1a.</u> Think about <u>recyclable</u> *paper*, *cardboard*, *plastics*, *metals*, and *glass* that you deal with in your home. What does your household *usually* do with these types of material items? (Check each box that applies.)

□ Throw them away with the regular garbage
□ Recycle them through the curbside (or alley) program
□ Take them to a recycling and disposal (transfer) station
□ Donate them to a charity
□ Recycle them for money
□ Other (specify)_____

<u>1b.</u> Of all <u>recyclable</u> *paper*, *cardboard*, *plastics*, *metals*, and *glass* that **could be recycled**, what overall percentage would you say your household **actually does** recycle? (Please check only one box.)

□ 0%	□ 21-30%	□ 51-60%	□ 71-75%	□ 86-90%
□ 1-10%	□ 31-40%	□ 61-65%	□ 76-80%	□ 91-95%
□ 11-20%	□ 41-50%	□ 66-70%	□ 81-85%	□ 96-100%

<u>1c.</u> Recycling <u>these items</u> may take extra time. Think about the efforts to (1) sort; (2) wash/clean; (3) temporarily store; and (4) carry recyclables to the curbside/alley or take them to a recycling and disposal (transfer) station.

About how many **<u>extra minutes per week</u>** does your household spend on recycling instead of throwing these items away? (Check only one box.)

□ 0 min/week	□ 11-15	□ 26-30	□ 41-50
□ 1-5 min/week	□ 16-20	□ 31-35	□ 51-60
□ 6-10	□ 21-25	□ 36-40	□ more than 60 min/week

2. Food Waste 

2a. Think about the total amount of food waste that your household deals with in a typical week. What percentage of this food waste is handled by each of the following methods? (Please give your best estimate. The percentages should total 100%.)

Thrown in the regular garbage..…..……..... ____%
Put down the garbage disposal……..... ____%
Composted (e.g. back yard, worm bin, etc.)..... ____%
Other method…… ____%

= 100% of all food waste

2b. About how many minutes per week does your household spend on food waste composting? (Check one box. If your household doesn't compost, check "0 min/week".)

□ 0 min/week	□ 11-15	□ 26-30	□ 41-50
□ 1-5 min/week	□ 16-20	□ 31-35	□ 51-60
□ 6-10	□ 21-25	□ 36-40	□ more than 60 min/week

3. Yard Waste 

3a. Of the total amount of yard waste generated by your household, what percentage is handled by each of these methods? (The percentages should total 100%.)

Taken to the curb/alley and picked up by the City… ____%
Taken to recycling and disposal (transfer) station…. ____%
Composted (in the back yard)…...…...……..... ____%
Other method…… ____%

= 100% of all yard waste

□ We don't have a yard and/or yard waste.

3b. About how many minutes per week does your household spend on (back yard) yard waste composting? (Check one box. If your household doesn't compost, check "0 min/week".)

□ 0 min/week	□ 11-15	□ 26-30	□ 41-50
□ 1-5 min/week	□ 16-20	□ 31-35	□ 51-60
□ 6-10	□ 21-25	□ 36-40	□ more than 60 min/week

4. Recycling and Disposal (Transfer) Stations 

4a. In the **last twelve months**, about how many times did you, or someone else in your household, make each of the following types of trips to a City (or other) recycling and disposal station?

TRIPS WITH…
- **just** recyclables (paper, cardboard, plastics, metals, glass), nothing else... _____
- **just** yard waste..…...……..……..... _____
- **just** garbage (or construction debris)..... _____
- **just** oil, appliances, tires, batteries, and/or wood waste…..…..... _____
- Combination of different material types……..... _____

= Total trips to a recycling and disposal station

5. Who Recycles and Composts in Your Household?

5a. Think about the total time that your household spends recycling and composting. Please, give us your best estimate of the percentage of this time contributed by each member of your household:

Recycle (paper, cardboard, plastics, etc.)
Yourself……..____%
+ Spouse or domestic partner…….____%
+ Other household members……..____%
= Total Household Recycling..…….. **100 %**

☐ Doesn't apply.

Compost (food waste and/or yard waste)
Yourself……..____%
+ Spouse or domestic partner…….____%
+ Other household members……..____%
= Total Household Composting..…… **100 %**

☐ Doesn't apply.

6. Garbage Collection Services

6a. What **trash can size** (collection service level) does your household *currently* use? (Check the appropriate box below.)

Micro (12 gallon)	Mini (20-gallon)	1-Can (32-gallon)	2-Can (64-gallon)	3-Can (96-gallon)	Other subscription	Don't Know
$10.05/month	$12.35/month	$16.10/month	$32.20/month	$48.30/month		
☐	☐	☐	☐	☐	☐	☐

Note: Images are for illustration purposes and may not match exactly your household's current style of garbage can.

7. Perception of Other People's Recycling Behavior

7a. When you think about **other people that you know personally**, what is your impression of how much of their **recyclable** paper, cardboard, plastics, metals, and glass they recycle?

My best guess would be that they recycle about…

☐ 0% ☐ 21-40% ☐ 61-70% ☐ 81-85% ☐ 91-95%
☐ 1-20% ☐ 41-60% ☐ 71-80% ☐ 86-90% ☐ 96-100%

7b. Still thinking about the same group of people, **what percentage of these households** would you guess do home composting (e.g. in their back yard)?

I would guess that____% of them compost food waste,

and____% of them compost yard waste.

7c. When you think about the **general Seattle population**, would you say that **your household** recycles *more*, *less*, or *about the same* percentage of recyclables, as the "average" Seattle household?

☐ More ☐ Less ☐ About the Same ☐ Don't know

II. NEW RECYCLING PROGRAMS IN SEATTLE

Background:
Seattle is currently recycling 40% of all waste generated by households and businesses. The City's long term goal is to increase the overall recycling rate to 60%.

We would like to learn how you would value two programs that could achieve the 60% recycling goal and how much money or time you might be willing to contribute towards this goal.

Program 1

This program would increase the recycling rate from 40% to 60% by:

- ✓ Expanding recycling opportunities to local businesses (and their customers and employees) and organizations (and their members).
- ✓ Creating a facility where recyclables still left in the trash gets separated from the rest of the waste collected from households and businesses.

This program would be financed by adding a surcharge to the utility bills of ALL businesses and households. **No additional effort from households would be necessary.** In answering this question, carefully consider the effect the program would have on the money your household has available for other uses.

1. Would your household be willing to pay **$4** per month for program 1? (Please check YES or NO below and follow the arrows.)

□ YES ⟹ If YES..... Would you pay **$8** per month? □ YES □ NO
□ NO ⟹ If NO..... Would you pay **$1** per month? □ YES □ NO

Program 2

An **alternative** way to increase the recycling rate from 40% to 60% is to encourage additional recycling efforts by households and businesses alike. Program 2 would achieve the recycling goal by offering curbside recycling of additional materials (e.g. textiles, contaminated paper, food scraps, and so on). This requires more household time for activities such as sorting, and placing materials on the curbside.

In answering this question, consider carefully the reductions in the time your household would have available for other activities.

2. Would your household be willing to spend an extra **5 minutes per week** recycling under program 2? (Please fill in the blank.)

□ YES ⟹ If YES....Would you be willing to spend **30** minutes per week? □ YES □ NO
□ NO ⟹ If NO.....Would you be willing to spend **2** minutes per week? □ YES □ NO

III. MORE ABOUT YOUR PREFERENCES FOR RECYCLING PROGRAMS

In this section, we would like you to rate the current recycling system in Seattle. *We also ask your opinion about five alternative programs adopted in other US communities*.

The Current Seattle Recycling System

This describes Seattle's current services:

About 40% of all Seattle waste is recycled instead of going to landfills.

✓ Garbage is collected weekly for monthly fee based on size and number of trash cans.
✓ Bi-weekly curbside collection of recyclables (paper, cardboard, plastics, metals, and glass).
✓ Glass must be separated from the other recyclable items.
✓ Yard waste is not permitted in the garbage can, but households can subscribe to yard waste collection.

---

1. What is your overall opinion of this recycling system? From "Very Unfavorable" to "Very Favorable", please indicate your overall opinion by checking one of the boxes below.

Very Unfavorable	Somewhat Unfavorable	About Neutral	Somewhat Favorable	Very Favorable
☐ -----	☐ -----	☐ -----	☐ -----	☐ ----- ☐ ----- ☐ ----- ☐

Some Alternative Recycling Programs

The table on the next page describes five alternative recycling programs (*first column*) – and asks you to rate them relative to the current Seattle system. Each program differs in how much it would cost and how much recycling it would achieve, **if it was adopted in Seattle**.

DEFINITION OF KEY PROGRAM FEATURES:

Projected Seattle-Wide Recycling Rate: The percentage of all Seattle waste that would be recycled instead of going to landfills (*second column*).

Estimated Monthly Fee per Household: The dollar amount that would be added to (or subtracted from) your household's utility bill (*third column*).

Also, in rating the programs, take a moment to think about how each alternative program would affect your household indirectly through:

- The types and quantity of materials that can be recycled, and, therefore, what **size garbage can** your household would need. 
- The amount of **time** your household would have to spend on **recycling activities**. 

LET'S RATE! 

2. What do YOU think of programs 1-5 in the table? On a **0-10** rating scale, **with the current Seattle system given a score of 5**, please provide your rating score for each alternative program, in the **last column** of the table.

Much Worse — **Same as Current Seattle System** — **Much Better**

0 1 2 3 4 **5** 6 7 8 9 **10**

RATINGS HERE

RECYCLING PROGRAMS	FEATURE 1: Seattle-Wide Recycling Rate	FEATURE 2: Fee To Your Household	Your Rating (0 to 10)
The Current Seattle Recycling System	**40%**	**No Change**	**5**
PROGRAM 1: **Seattle System with One Container for Recyclables** …same as current system PLUS **glass** items can be put in the same container as paper, plastics, metals.	**44%**	**$2** / month	☐
PROGRAM 2: **Seattle System with Ban on Recyclables in the Trash** …same as current system EXCEPT recyclables are prohibited from the regular trash.	**46%**	**$0** / month	☐
PROGRAM 3: **Seattle System with Curbside Food Waste Collection** …same as current system PLUS bi-weekly curbside collection of food waste.	**48%**	**$3** / month	☐
PROGRAM 4: **Seattle System with Extended Non-Residential Recycling** …same as current system PLUS more recycling opportunities for businesses and local organizations.	**45%**	**$2** / month	☐
PROGRAM 5: **No Residential Curbside Recycling** …same garbage and yard waste services as the current system. But **no** curbside recycling of paper, cardboard, plastics, metals, and glass.	**25%**	**-$6** / month	☐

3. Your Garbage Can under Alternative Programs

Programs 2, 3, and 5 may cause you to change your level of garbage collection service, since they affect the types and amounts of materials you can recycle. Please give us your best estimate of what garbage can size you would use under each of these programs.

3a. What **garbage can size** do you think your household would need under **Program 2**: Seattle System with Ban on Recyclables in Trash? (Check one box.)

Micro (12-gallon)	Mini (20-gallon)	1-Can (32-gallon)	2-Can (64-gallon)	3-Can (96-gallon)	Other subscription	Don't Know
☐	☐	☐	☐	☐	☐	☐

3b. What about **Program 3**: Seattle System with Curbside Food Waste?

Micro (12-gallon)	Mini (20-gallon)	1-Can (32-gallon)	2-Can (64-gallon)	3-Can (96-gallon)	Other subscription	Don't Know
☐	☐	☐	☐	☐	☐	☐

3c. What about **Program 5**: No Residential Curbside Recycling?

Micro (12-gallon)	Mini (20-gallon)	1-Can (32-gallon)	2-Can (64-gallon)	3-Can (96-gallon)	Other subscription	Don't Know
☐	☐	☐	☐	☐	☐	☐

4. Time Spent Recycling under Alternative Programs

The time you spend recycling may change under Programs 1, 2, 3, and 5. We realize that this may be difficult to estimate, but please just give us your best guess.

4a. How do you think the **time your household spends recycling** would change under **Program 1:** Seattle System with One Container for Recyclables? Check one box (and fill in the blank).

☐ Increase_____minutes/week	☐ Decrease_____minutes/week	☐ Stay the same	☐ Don't Know

4b. What about **Program 2**: Seattle System with Ban on Recyclables in Trash?

☐ Increase_____minutes/week	☐ Decrease_____minutes/week	☐ Stay the same	☐ Don't Know

4c. What about **Program 3**: Seattle System with Curbside Recycling of Food Waste?

☐ Increase_____minutes/week	☐ Decrease_____minutes/week	☐ Stay the same	☐ Don't Know

4d. What about **Program 5**: No Residential Curbside Recycling?

☐ Increase_____minutes/week	☐ Decrease_____minutes/week	☐ Stay the same	☐ Don't Know

IV. ABOUT YOU

To make sure this survey reflects the general Seattle population, the next questions are for classification purposes only. Questions 8, 9 and 10 ask about your employment status so that we can understand how different people divide their time between different activities. This information is kept strictly confidential. Only summary results, compiled over all participants, are reported.

1. What is your gender? □ MALE □ FEMALE

2. What is your age? I AM____YEARS OLD.

3. About how many years of schooling have you completed (please circle one number)?

1 2 3 4 5 6	7 8 9	10 11 12	13 14 15 16	17 18 19 20 21 22
(Elementary)	(Jr. High)	(High School)	(College)	(Graduate or Professional)

4. Including yourself, how many people currently live in your household?.....____

4a. Of these people, how many are children 0-5 years old?..____
4b. How many are children 6-18 years old?..... ____
4c. How many are 19-21 years old?..... ____

5. Do you own or do you rent the house you currently live in? □ OWN □ RENT

6. How many people in your household, **including yourself**, work to earn income?____

7. Which of these categories most closely describes your total annual household income before tax?

□ UNDER $25,000
□ $25,000-$34,999
□ $35,000-$44,999
□ $45,000-$54,999
□ $55,000-$74,999
□ $75,000-$94,999
□ $94,000-$119,999
□ $120,000-$149,999
□ $150,000 OR MORE

8. Which of the following would describe **your** *employment status*? (Check any box that applies.)

□ Employed full-time
□ Employed part-time
□ Part- or full time telecommute (work from home)
□ Self-employed (part- or full time)
□ Homemaker (part- or full time)
□ Student (part- or full time)
□ Temporarily unemployed
□ Retired
□ Disabled and unable to work

9. About how many hours per week do **you** spend on household "maintenance" activities - cooking, cleaning, gardening, child care, and so on (including recycling, but excluding recreational time)?

I SPEND ABOUT____HOURS PER WEEK ON SUCH ACTIVITIES.

10. About how many **hours per week** do you typically **work to earn income**?

I WORK ABOUT_____HOURS PER WEEK. → **Please continue to 10a-10d**
□ Does not apply to me/don't work to earn income → **Please go to section V**

10a. Do you receive an hourly **wage** or do you receive a **salary** (such as per week or month)?

□ AN HOURLY WAGE □ A SALARY

10b. Do you work a **fixed schedule** (such as 9-5 Monday-Friday) or are you **free to choose** when and how long to work?

□ FIXED HOURS □ FREE TO CHOOSE

10c. If you answered "FIXED HOURS" in 10b, would you be willing to work fewer hours for a proportionally lower salary, in order to have more free time?

□ YES □ NO □ Does not apply

10d. Approximately, which of the following categories most closely describes **your earnings per hour worked**, before taxes and other deductions? (Please check only one box.)

□ UNDER $5 per hour	□ $15-19.99	□ $30-$34.99	□ $45-$49.99
□ $5-$9.99 per hour	□ $20-$24.99	□ $35-$39.99	□ $50 or more per hour
□ $10-14.99	□ $25-$29.99	□ $40-$44.99	

V. SOME MORE ABOUT YOU

1. On a scale of **1-5** with **1** meaning "strongly disagree" and **5** meaning "strongly agree", please indicate the extent to which you disagree or agree with the following statements. (Please check the box under the number that best describes how you feel.)

	Strongly Disagree		About Neutral		Strongly Agree
STATEMENTS :	**(1)**	**(2)**	**(3)**	**(4)**	**(5)**
The *ecological crisis* facing humankind has been greatly exaggerated.	□	□	□	□	□
Plants and animals have as much right as humans to exist.	□	□	□	□	□
Human resourcefulness will insure that we do not make the earth unlivable.	□	□	□	□	□
The earth has very limited room and resources.	□	□	□	□	□
The balance of nature is strong enough to cope with the impacts of industrial nations.	□	□	□	□	□
Contributions to community organizations rarely improve the lives of others.	□	□	□	□	□
The individual alone is responsible for his or her well-being in life.	□	□	□	□	□
It is my ethical duty to help other people when they are unable to help themselves.	□	□	□	□	□
My responsibility is to provide only for my family and myself.	□	□	□	□	□
My personal actions can greatly improve the well-being of people I don't know.	□	□	□	□	□

2. What **motivates** you to recycle? On a scale of 1-5 with 1 "strongly disagree" and 5 "strongly agree", please indicate the extent to which you disagree or agree with the following statements.

	Strongly Disagree		About Neutral		Strongly Agree
STATEMENTS: I recycle because…	**(1)**	**(2)**	**(3)**	**(4)**	**(5)**
..It saves me money since I am able to use a smaller garbage container.	□	□	□	□	□
..I want to be a socially responsible person.	□	□	□	□	□
..I want other people to think of me as a responsible person.	□	□	□	□	□
..Regardless of what other people might think, I feel it is my ethical duty.	□	□	□	□	□
..I find it to be a pleasant activity in itself, compared to other 'everyday' chores.	□	□	□	□	□
..It is a good way to contribute to preserving environmental quality.	□	□	□	□	□
..It is a good way to contribute to conserving scarce natural resources.	□	□	□	□	□
..I feel it is expected of me.	□	□	□	□	□

3. What makes you less motivated or hesitant to recycle? On the same scale as before, please indicate the extent to which you disagree or agree with the following statements.

	Strongly Disagree		About Neutral		Strongly Agree
STATEMENTS:	**(1)**	**(2)**	**(3)**	**(4)**	**(5)**
I don't think recycling benefits me personally.	☐	☐	☐	☐	☐
I don't think recycling provides benefits to the community/society.	☐	☐	☐	☐	☐
It is often difficult to know what items can or cannot be recycled.	☐	☐	☐	☐	☐
It takes too much time.	☐	☐	☐	☐	☐
I don't have enough recyclables.	☐	☐	☐	☐	☐
It is difficult to find room/space for temporarily storing recyclable items.	☐	☐	☐	☐	☐
Other people are not doing enough.	☐	☐	☐	☐	☐

4. Seattle Green Power is a City Light program wherein households and businesses can voluntarily contribute money to the development of **clean energy** with zero greenhouse gas emissions. Households can choose to make voluntary monthly payments of $3, $7, or $10 via their utility bill.

Have you heard about **Seattle Green Power** before?

☐ YES (**please go to 4a**) ☐ NO (**please go to 4c below**)

4a. Does your household currently participate in the Green Power program? ☐ YES ☐ NO

4b. Do you know of anyone (other than your own household) participating in the Green Power program? ☐ YES ☐ NO

4c. How likely is it that your household would participate in this program in the near future?

☐ Highly unlikely ☐ Somewhat unlikely ☐ Somewhat likely ☐ Highly likely

5. On a scale from 1-5 with **1** being "never" and **5** being "regularly", please indicate how often you, or anyone else in your household, does any of the following:

	Never				Regularly
ACTIVITY	**(1)**	**(2)**	**(3)**	**(4)**	**(5)**
Carpool or take public transportation.	☐	☐	☐	☐	☐
Buy organic food items or locally grown produce.	☐	☐	☐	☐	☐
Give preferences to products marked as *environmentally friendly*.	☐	☐	☐	☐	☐
Give preferences to products that are not tested on animals.	☐	☐	☐	☐	☐
Use a bike as a mode of transportation (not for recreation).	☐	☐	☐	☐	☐
Donate money to an environmental group or cause.	☐	☐	☐	☐	☐
Donate time to an environmental group or cause.	☐	☐	☐	☐	☐

THANK YOU FOR FILLING OUT THIS SURVEY!

☐ Send me a copy of the survey results.

Address:

Please provide us with comments! We'd like to know what you think of this survey and also hear any other opinions you might have about this topic!