



2020 Pinellas County Residential Recycling Awareness Survey



Prepared for:
**Pinellas County Department
of Solid Waste**

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The Content of the Survey and all Findings are the Property of Pinellas County Government.

CERTIFICATION

HCP ASSOCIATES, INC., hereby certifies that, except as otherwise noted in this report:

- 1. We have no present or contemplated future interest in the project that is the subject of this study.*
- 2. We have no personal interest or bias with respect to the subject matter of this report or the parties involved.*
- 3. To the best of our knowledge and belief, the statements of fact contained in this report, upon which analyses, opinions, and conclusions expressed herein are based, are true and correct.*
- 4. This report sets forth all of the limiting conditions (imposed by the terms of our assignment or by the undersigned) affecting the analyses, opinions, and conclusions contained in this report.*
- 5. The underlying assumptions are based on present circumstances and information currently available.*
- 6. Because circumstances may change and unanticipated events may occur subsequent to the date of this report, the reader must evaluate the assumptions and rationale of this report in light of the circumstances then prevailing.*
- 7. The 2020 research results detailed in the attached were obtained by HCP ASSOCIATES, INC. and are based on a telephonic survey of 800 interviews.*



Robert Allen, Vice President

August 17, 2020

Date

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Introduction

Pinellas County Department of Solid Waste (DSW or the Department) operates a Waste-to-Energy (WTE) facility, offers disposal and many recycling programs and resources, as well as manages the County's landfill. In February 2020, the Department released its 30-year Solid Waste Master Plan (Master Plan) in which its solid waste management system was evaluated, and solutions were outlined as to how to improve their recycling and waste operations. The timing of this study coincides with the completion of DSW's master plan. DSW's goal is "Zero Waste to Landfill" (HDR, 2020), and the Master Plan offers strategies and options to help with operations, programs, facilities, and technologies. In the Master Plan, five key tactics that serve as a guide for decision making are:

1. Minimize generation
2. Maximize recycling
3. Maximize recovery
4. Responsibly manage what's leftover
5. Collaborate with partners

Pinellas County has one of the most advanced waste management systems in the Southeast region of the United States and is seen as a leader throughout the solid waste management industry (Pinellas County Solid Waste, n.d.). Pinellas County Department of Solid Waste has one of the largest WTE facilities in the country, providing the Department with a revenue stream, while simultaneously reducing the amount of waste disposed of in the landfill. Different model projections illustrate the WTE Processing Capacity over the next 30 years should nothing change; if nothing changes, by 2026, the County will reach its WTE processing capacity. Once WTE capacity is reached, then it will start to exceed capacity, forcing the County's excess trash directly into the landfill without being processed into lower-volume ash. The landfill only has a projected remaining capacity of 79 years, corresponding to the year 2099. Due to numerous laws around the construction of solid waste disposal facilities in Florida, new landfills are challenging to build and are required to have clay or synthetic liners and leachate (liquid from a landfill containing contaminants) collection systems to protect groundwater (EPA, 2015). Additionally, it would be difficult to site a new landfill in Pinellas County because there is no available land. One of the tasks of the Department is to help the public understand that waste reduction and recycling extend the lifespan of the landfill. Therefore, the County must emphasize recycling in order to extend the capacity of the finite landfill. The WTE facility is a crucial component of this goal, but it simply does not have the ability to be the sole source for relief.

Recycling as an industry has faced challenges, including misinformation, misperceptions about the cost of recycling, incorrect recycling, and lack of participation. Improper recycling takes many forms, including when individuals 'optimistically' recycle unrecyclable items, when people recycle otherwise recyclable items that are not accepted by their local recycling program, and when they place recyclable material in bags and other containers. Contemporaneous issues go beyond awareness and interest to complicate recycling further. In 2018, China's "National Sword" policy banned the importation of certain types of solid waste by the country, in addition to setting strict contamination limits on bales of recyclable materials that the regime would accept. This ban created industry-wide issues for processing, put the spotlight on the lack of domestic processing capacity, and illuminated the challenges with selling recycled materials abroad. Most recently, the COVID-19 pandemic has introduced novel problems to the industry, despite its designation as essential. Services have been reduced, collection events and tours have been canceled,

collection centers have been closed, and frontline workers have been affected (Waste Dive Team, 2020). Private-sector enterprises that collect certain items like plastic bags, ink, and even plastic bottles are not allowing drop-offs to be made. Pinellas County, the municipalities within the county, and DSW have not been spared from challenges. Over the past few months, both regional Materials Recovery Facilities (MRF) have closed for a week or more forcing recyclable materials to be disposed in the WTE. DSW has cancelled events, tours, and closed their Household Electronics and Chemical Collection Center (HEC₃) and Swap Shop for several months (Pinellas County Solid Waste, n.d.).

During the course of the COVID-19 pandemic, many places across the US have reversed course and repealed or suspended laws prohibiting plastic bags, straws, and other materials. Single-use plastics are now being promoted for reasons of sanitation, even in places that had previously banned them (Hagemann, 2020). If disposed of incorrectly, items such as plastic bags become a contaminant or “tangler” for single-stream or curbside programs.

Educational outreach is a priority for DSW and focuses on raising awareness of good recycling and disposal practices. Tours are offered to the general public in order to see the site and WTE facility, household electronic and chemical collection events are coordinated and held throughout the County for the convenience of residents, drop-off collection centers are strategically placed all throughout the County to offer ease of access and recycling for those if not offered or if there is a lot to recycle, and other resources such as guides and virtual information are made readily available. Since the 2018 study, there have been recent updates to Pinellas County’s Recycle Guide, which is a directory that provides a list of acceptable items as well as information on other resources. The 2020 Recycle Guide is more straightforward and streamlined for several audiences, providing residents with easily digestible material about recycling in Pinellas County.

Methodology

In 2018, the Residential Recycling Awareness Survey leveraged an online methodology to gain participation within the community. Although there was success with engaging Pinellas County residents, challenges with obtaining a representative sample required the addition of paid panel respondents and statistical weighting. Further, the opt-in nature of the 2018 online survey introduced concerns about unseen bias. Specifically, as the survey was disseminated through communication channels controlled by Pinellas County, those with greater engagement to the County were likely overrepresented.

In 2020, to guarantee a sample that was as representative but more random than that from 2018, a telephonic methodology was employed. County residents, regardless of their engagement with Pinellas County Government in general or DSW more specifically, were called at random. The race, age, and sex of the respondents were pre-stratified based on the Census demographics of residents in Pinellas County. Since the 2018 study, HCP and the Department of Solid Waste successfully conducted the 2019 Commercial Recycling Study.

As with previous iterations of the study, HCP and DSW conducted a kickoff meeting to review the previous years’ questionnaire and determine the 2020 action plan. In certain cases, small phrasing changes were necessary to accommodate the switching to a telephonic survey instrument. Once DSW approved the survey, it was programmed, tested, and following a successful test, deployed.

The calls were all performed by non-automated, trained professional survey interviewers working in a supervised CATI (computer-assisted telephone interviewing) facility. Survey responses are entered by the interviewers into an electronic database, to include both closed-ended categorical responses and open-ended verbatim responses. Interviewers varied the time of day and day of the week that calls were made to help ensure a diverse sampling of residents was collected, which reflects varying personal schedules.

The interviewers called Pinellas County residents from March 26, 2020, through May 11, 2020. There was a total of 800 respondents, whose demographics matched US Census data as well as the geographic distribution of Pinellas County. The survey was completed with a $\pm 3.46\%$ margin of error. The average time to complete the survey was 7 minutes. For additional information on call attempts, drops, and other unsuccessful calls, refer to the appendices.

The survey questions have been categorized into four sections for reporting: respondent characteristics, recycling by housing type, recycling practices, and recycling awareness.

Study Findings

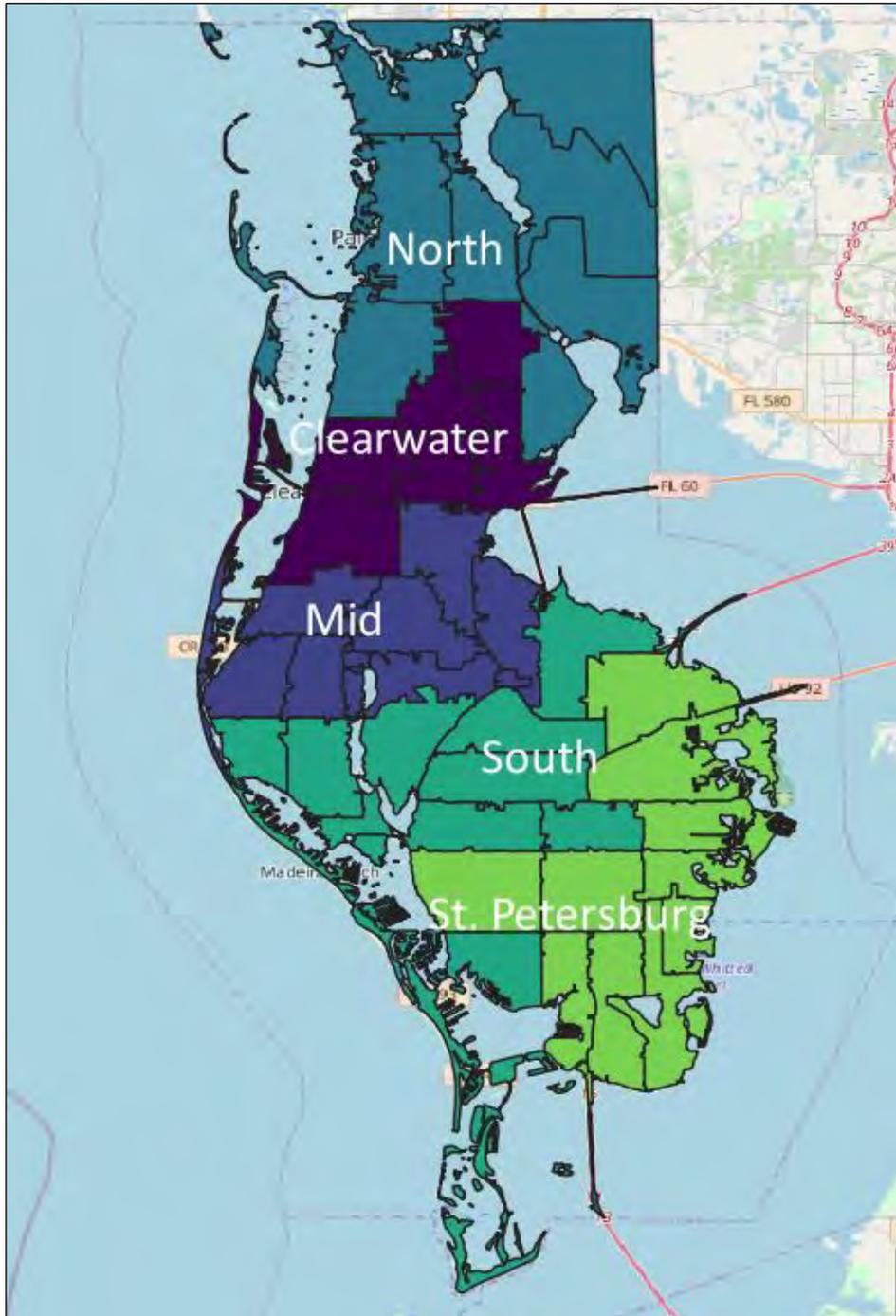
The residential study provides insight for DSW on current recycling participation rates, reasons why residents abstain from recycling, misconceptions about recycling, and levels of awareness on topics related to disposal and recycling. In addition, this report details the trends identified through the previous study.

Respondent Characteristics

The survey captured a range of respondent demographics, including gender, geography, age, household income, race/ethnicity, and the presence of children in the household. Respondents were asked to confirm the city in which they live to ensure that the sample was evenly distributed across the County. Respondents were also asked whether they were a full-time or seasonal resident, how long they lived in Pinellas County, their highest level of education, and their current employment status. Responses to these demographic questions allow us to segment various groups of respondents and guarantee that the data is appropriately representative of the geographic and demographic makeup of Pinellas County. The US Census Bureau's American Community Survey (ACS) and the Bureau of Economic Development (BEER) data were utilized for reference and demographic comparison.

In 2018, the sample was gathered through an online survey, in which participants opted-in after seeing a web link. As such, the geographic makeup of residents was not controlled for in the overall sampling process. In 2020, the methodology changed, and an improvement to this year's study was to ensure the sample represented residents in all areas of the County.

Understanding geographic differences in sentiments and behavior is important for policymakers at Pinellas County and its many municipalities. To understand whether location and sentiment correlate, the responses were divided based on location to create similarly sized groups. Due to a large portion of the respondent base that lived in Clearwater and St. Petersburg, each of those cities comprise their own group, whereas the remaining respondents were segmented into North, Mid, and South County; a visual representation of the five regions is shown on the page below.



Description: The map above divides survey participants into five different regions of the County. Zipcodes are listed next to the respective geographical area.

North: 34698, 34683, 34677, 34689, 34688, 34695, 34684, 34685, 34681

Clearwater: 33759, 33755, 33767, 33761, 33763, 33756, 33765

Mid: 33778, 33786, 33785, 33760, 33774, 33770, 33773, 33764, 33771

South: 33782, 33772, 33710, 33744, 33777, 33709, 33706, 33707, 33776, 33715, 33714, 33781, 33762, 33708

St. Petersburg: 33701, 33713, 33711, 33712, 33703, 33705, 33704, 33716, 33702

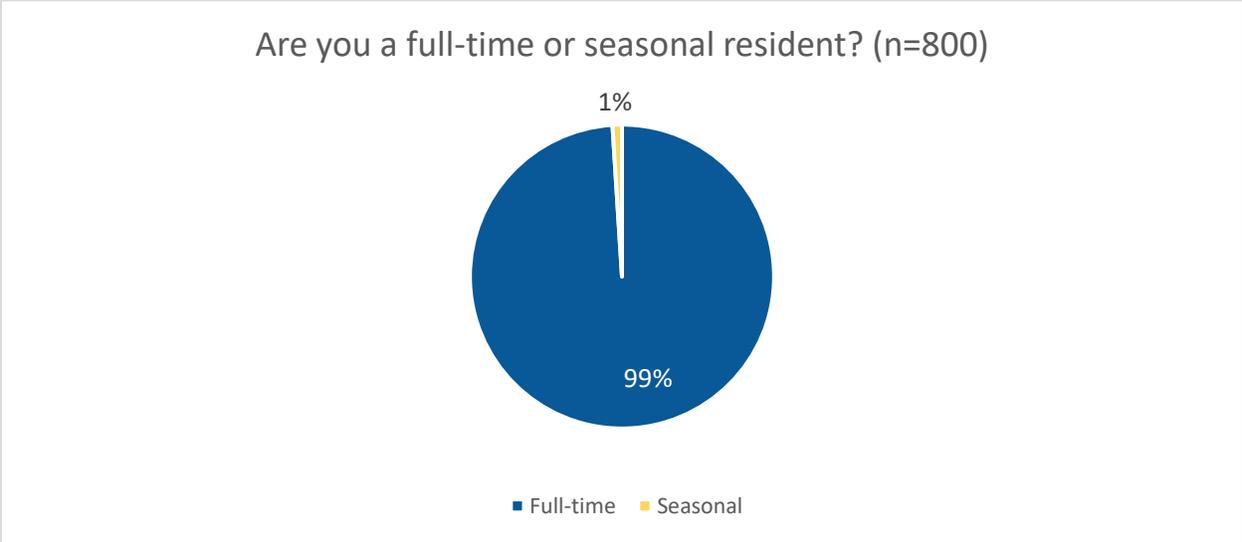
The table below compares the respondent demographics to those reported by the ACS as well as the 2018 online survey. Overall, the sample is representative of the three controlled demographics of the study: gender, age composition, and race/ethnicity.

Demographic Categories	2018 ACS	2020 Survey (Phone)	2018 Survey (Online)	Representation
What is your gender?				
Male	48%	48%	44%	Representative within the margin of error.
Female	52%	52%	53%	Representative within the margin of error.
I prefer not to identify	n/a	n/a	3%	Representative within the margin of error.
Which range describes your age?				
Under 25	8%	9%	8%	Representative within the margin of error.
25 – 34	15%	14%	10%	Representative within the margin of error.
35 – 44	13%	13%	15%	Representative within the margin of error.
45 – 54	16%	17%	17%	Representative within the margin of error.
55 – 64	19%	19%	21%	Representative within the margin of error.
65+	30%	28%	28%	Representative within the margin of error.
What is your race/ethnicity?				
Caucasian/White	74%	75%	73%	Representative within the margin of error.
Hispanic/Latino	10%	9%	10%	Representative within the margin of error.
African American/Black	10%	10%	9%	Representative within the margin of error.
Asian/Pacific Islander	3%	1%	4%	Representative within the margin of error.
Other	3%	5%	1%	Representative within the margin of error.
Refused	n/a	0%	3%	n/a

Other demographic variables, for which the sample was not controlled, are presented in the table below. The study is over-representative of those with household incomes over \$75,000, and households with children. It should be noted that a substantial portion of the survey (19%) refused to disclose their income. These variables were not controlled for several reasons. Primarily, there is a significant degree of doubt with respect to the correctness of the “City/Unincorporated” distinction and the wealth classification. Many Pinellas County residents are not certain whether they live in the unincorporated area or within one of the numerous cities within Pinellas County (it should be noted that this is not a phenomenon specific to Pinellas County). Similarly, people have reluctance to disclose their income, and many may lie about how much they make. Therefore, the geographic and primary demographic (race, age, gender) controls provide the optimal balance to achieve representation.

Demographic Categories	2018 ACS	2020 Survey (Phone)	2018 Survey (Online)	Representation
Do you live within a city’s boundaries or in unincorporated Pinellas County? *				
City	72%	85%	69%	Overrepresented of residents living in a city.
Unincorporated	28%	11%	22%	Underrepresented of residents living in unincorporated County.
I don't know	n/a	4%	9%	n/a
What is your household income?				
Under \$25,000	17%	9%	13%	Underrepresented of household incomes under \$25,000.
\$25,000 - \$49,999	40%	15%	22%	Underrepresented of household incomes \$25,000 - \$49,999.
\$50,000 - \$74,999	22%	18%	18%	Representative within the margin of error.
\$75,000 - \$99,999	9%	19%	15%	Overrepresented of household incomes \$75,000 to \$99,999.
\$100,000+	12%	20%	25%	Overrepresented of household incomes over \$100,000.
Refused	n/a	19%	8%	n/a
Are there children age 18 and under in your home?				
Yes	16%	29%	23%	Overrepresented of households with Children.
No	84%	71%	77%	Underrepresented of households without Children.
<i>*University of Florida Bureau of Economic and Business Research (BEER) 2019 as the source rather than ACS</i>				

For the first time, in 2020, respondents were asked whether they were full-time or seasonal residents within the County. Overwhelmingly, respondents indicated that they were full-time residents (99%), with only 1% of respondents mentioning that they are seasonal.

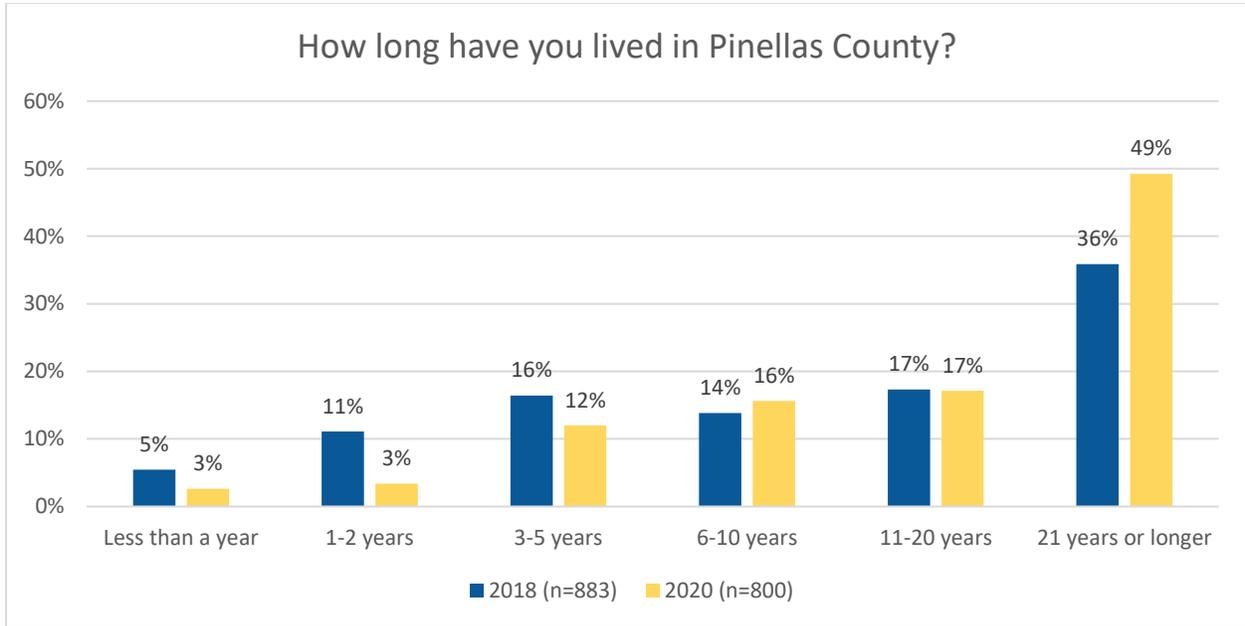


Description: The pie chart above shows the percentage of respondents that are full-time residents compared to seasonal residents. The percentage value for each category is as follows:

Full-time: 99 percent

Seasonal: 1 percent

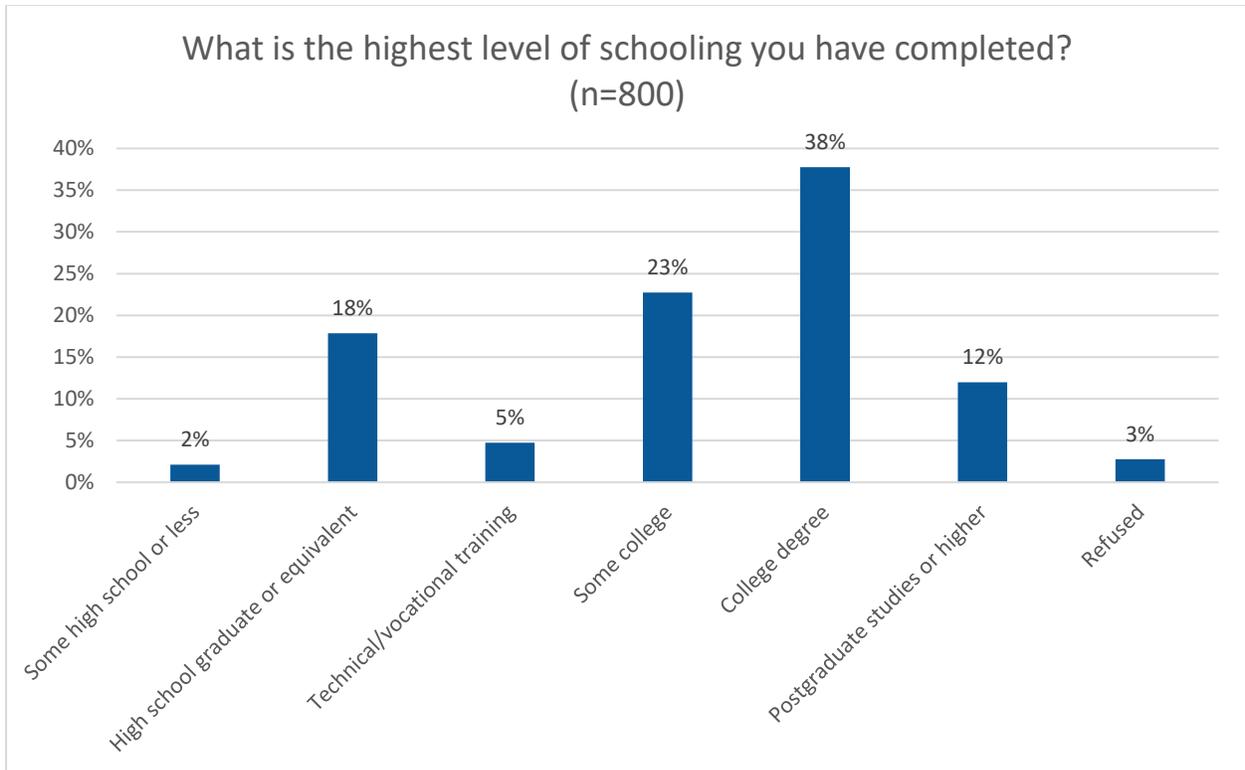
This year’s sample contains residents that are more tenured and have lived in the area for a longer time, better reflecting the County’s demographics. In 2018, 16% of the sample had lived in the County for two or fewer years, and only 36% were resident for 21 or more years, compared to the 49% of residents in the 2020 study that has lived in the County for 21 years or longer.



Description: The double bar graph above shows the percentage trending of the residents’ tenure living in Pinellas County. The percentage value for each category is as follows:

- Less than a year in 2018: 5 percent
- Less than a year in 2020: 3 percent
- 1 to 2 years in 2018: 11 percent
- 1 to 2 years in 2020: 3 percent
- 3 to 5 years in 2018: 16 percent
- 3 to 5 years in 2020: 12 percent
- 6 to 10 years in 2018: 14 percent
- 6 to 10 years in 2020: 16 percent
- 11 to 20 years in 2018: 17 percent
- 11 to 20 years in 2020: 17 percent
- 21 years or longer in 2018: 36 percent
- 21 years or longer in 2020: 49 percent

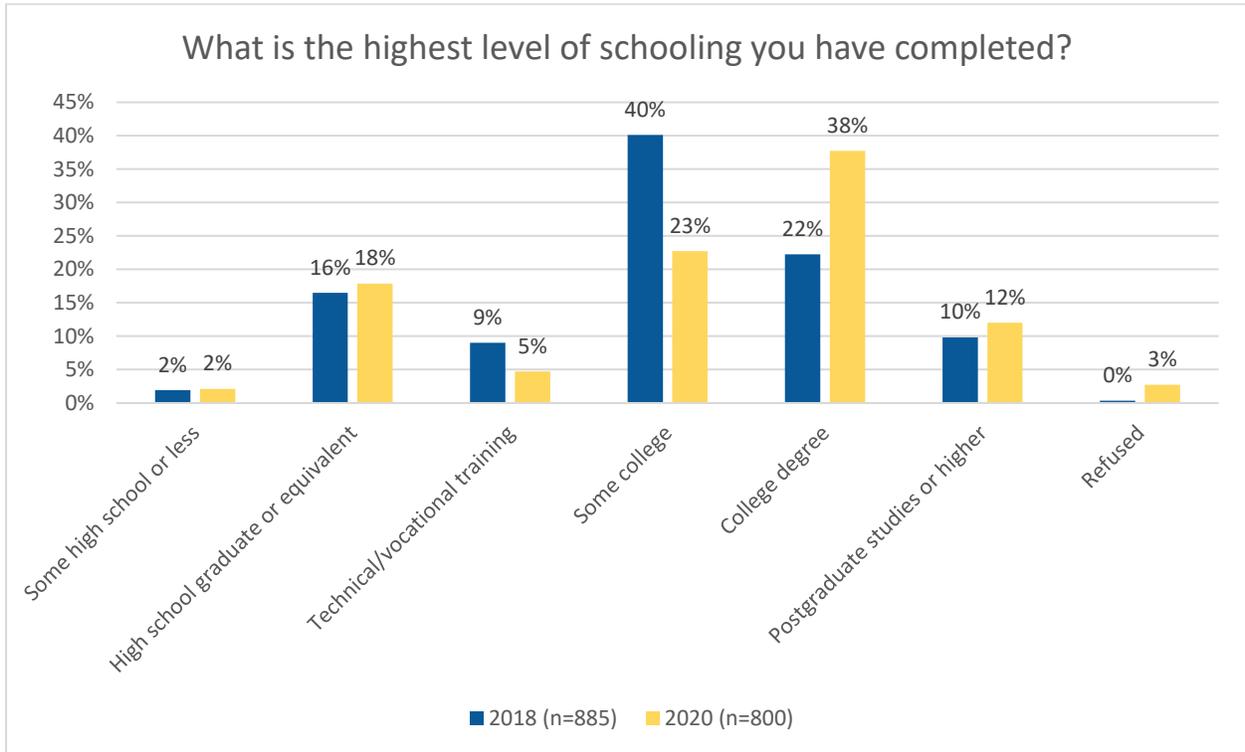
Respondents were asked to select the highest level of education they have completed; more than one-third (38%) have a college education. Only 3% of the respondent base refused to respond, and there were 20% with high school or less, 28% with some college or technical training, and 12% with a postgraduate or higher level of education.



Description: The bar graph above shows the percentage of the residents' highest level of education they completed. The percentage value for each category is as follows:

- Some high school or less: 2 percent
- High school graduate or equivalent: 18 percent
- Technical or vocational training: 5 percent
- Some college: 23 percent
- College degree: 38 percent
- Postgraduate studies or higher: 12 percent
- Refused: 3 percent

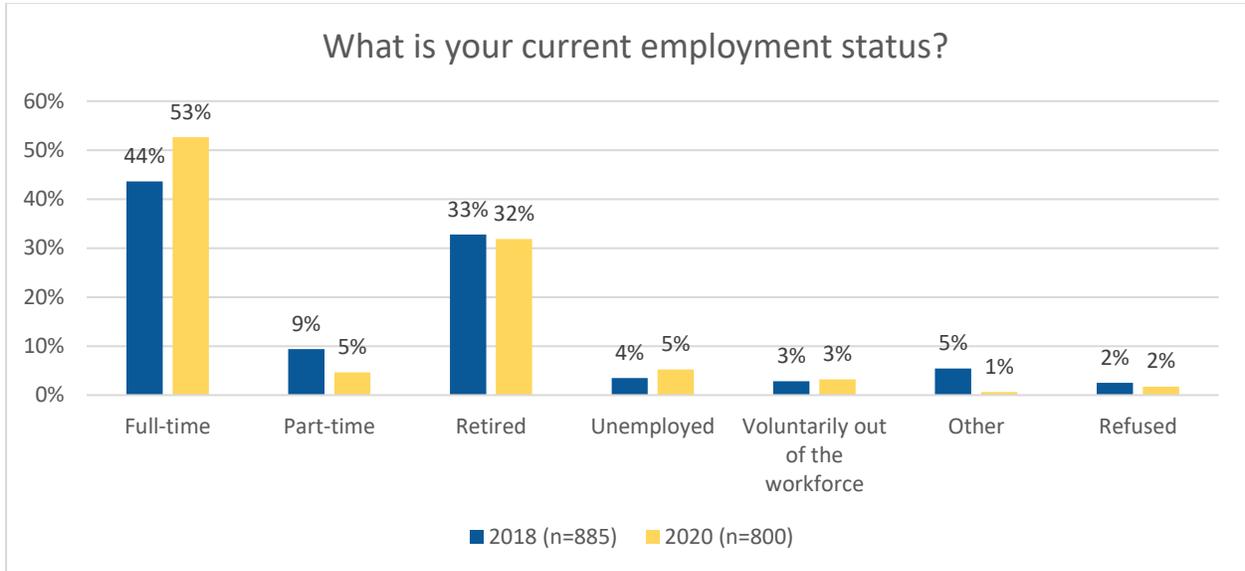
This year’s sample has more respondents that have a college degree or post-graduate education as well as more refusals. In 2018, more respondents had technical or some college education.



Description: The double bar graph above shows the percentage trending of the residents’ highest level of education they completed. The percentage value for each category is as follows:

- Some high school or less in 2018: 2 percent
- Some high school or less in 2020: 2 percent
- High school graduate or equivalent in 2018: 16 percent
- High school graduate or equivalent in 2020: 18 percent
- Technical or vocational training in 2018: 9 percent
- Technical or vocational training in 2020: 5 percent
- Some college in 2018: 40 percent
- Some college in 2020: 23 percent
- College degree in 2018: 22 percent
- College degree in 2020: 38 percent
- Postgraduate studies or higher in 2018: 10 percent
- Postgraduate studies or higher in 2020: 12 percent
- Refused in 2018: 0 percent
- Refused in 2020: 3 percent

This year, there are significantly more respondents that are employed full-time, with an increase of 20%. Likewise, we see a minor decrease (44%) in those employed part-time, with all other employment statuses remaining consistent to 2018. The 2020 sample does not capture the large-scale layoffs implemented by businesses in response to COVID-19 lockdowns.



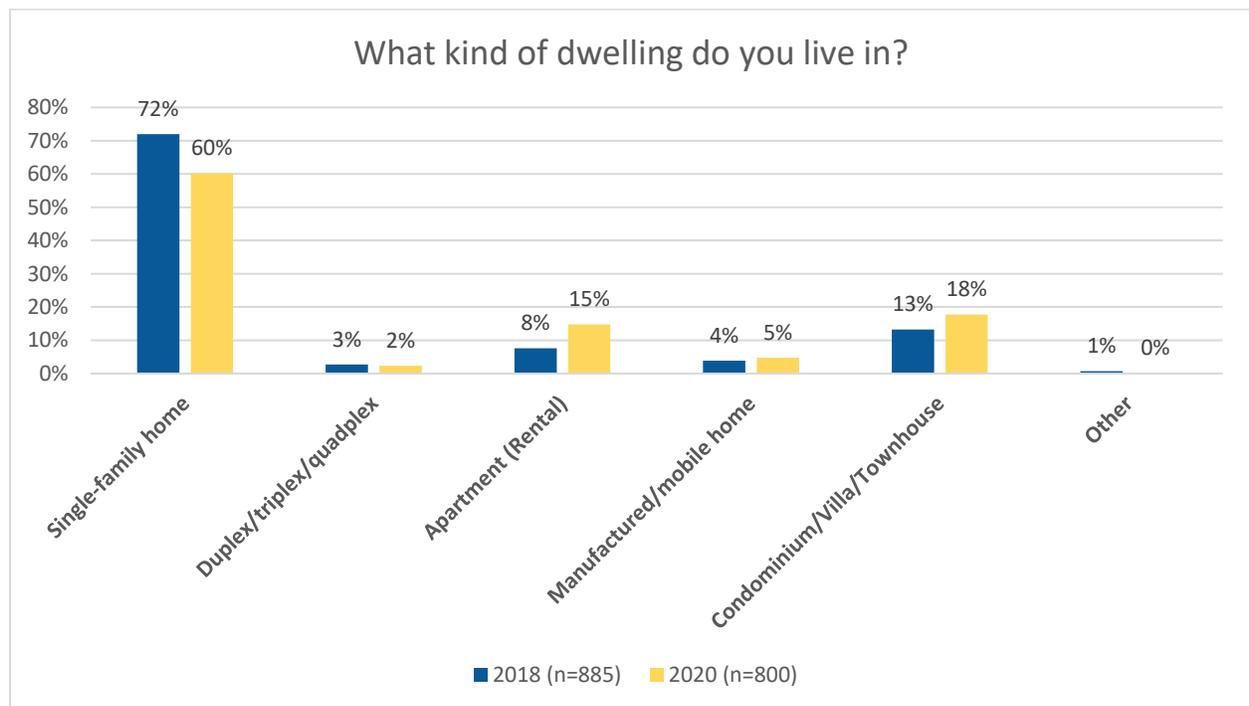
Description: The double bar graph above shows the percentage trending of the residents’ current employment status. The percentage value for each category is as follows:

- Full-time in 2018: 44 percent
- Full-time in 2020: 53 percent
- Part-time in 2018: 9 percent
- Part-time in 2020: 5 percent
- Retired in 2018: 33 percent
- Retired in 2020: 32 percent
- Unemployed in 2018: 4 percent
- Unemployed in 2020: 5 percent
- Voluntarily out of the workforce in 2018: 3 percent
- Voluntarily out of the workforce in 2020: 3 percent
- Other in 2018: 5 percent
- Other in 2020: 1 percent
- Refused in 2018: 2 percent
- Refused in 2020: 2 percent

Recycling by Housing Type

Respondents are asked questions specific to their housing type. Those that live in single-family housing answer questions about curbside recycling, whereas those that live in multifamily housing are asked to speak to recycling at their complex. To funnel residents to the appropriate questions, those that select “single-family home” or “duplex/triplex/quadplex” proceed to the single-family section. The remainder is directed to the multifamily section, which includes those living in a “condominium/villa/townhouse,” “apartment,” “manufactured/mobile home,” and “other.”

Concurrent with the 2020 survey’s methodological improvements, single-family participation decreased (from 75% in 2018 to 62%) while multifamily participation increased (from 25% in 2018 to 38%).

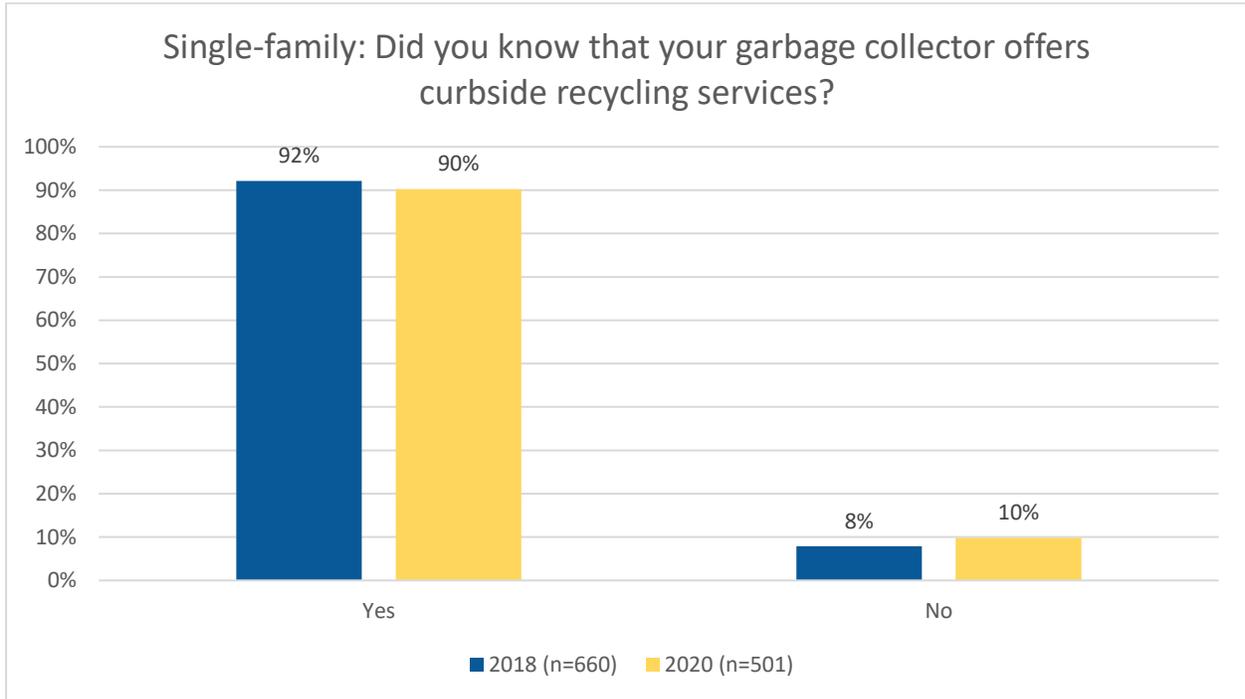


Description: The double bar graph above shows the percentage trending of the residents’ type of dwelling. The percentage value for each category is as follows:

- Single-family home in 2018: 72 percent
- Single-family home in 2020: 60 percent
- Duplex or triplex or quadplex in 2018: 3 percent
- Duplex or triplex or quadplex in 2020: 2 percent
- Apartment (rental) in 2018: 8 percent
- Apartment (rental) in 2020: 15 percent
- Manufactured or mobile home in 2018: 4 percent
- Manufactured or mobile home in 2020: 5 percent
- Condominium or villa or townhouse in 2018: 13 percent
- Condominium or villa or townhouse: 18 percent
- Other in 2018: 1 percent
- Other in 2020: 0 percent

Single-Family

Those living in either a single-family home or a duplex/triplex/quadplex were first asked if they knew that their garbage collector offers curbside recycling services. While all garbage collectors offer curbside recycling services, 10% of Pinellas County residents are unaware of this. Compared to 2018, there was a slight and statistically insignificant decrease in those that know their garbage collector offers curbside recycling services (from 92% in 2018 to 90% in 2020).



Description: The double bar graph above shows the percentage trending of the residents that live in single-family housing and are aware that their garbage collector offers curbside recycling services. The percentage value for each category is as follows:

Aware in 2018: 92 percent

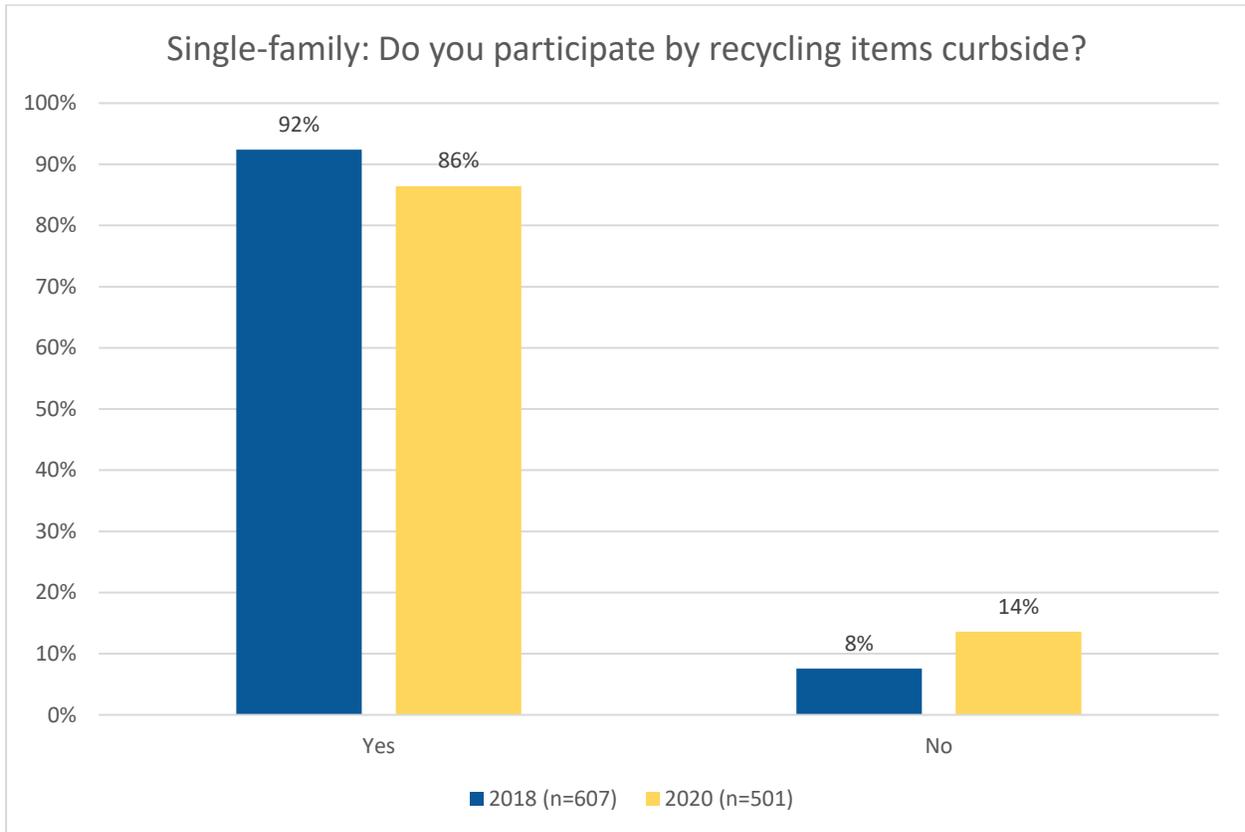
Aware in 2020: 90 percent

Unaware in 2018: 8 percent

Unaware in 2020: 10 percent

All single-family residents have recycling available to them, but this is not necessarily indicative of whether they are utilizing it. Almost nine in ten residents (86%) are participating in recycling items curbside. Those that recycle curbside have decreased by 6% (from 92% in 2018 to 86% in 2020). It is important to note that those that improperly or infrequently recycle are likely to still consider themselves recyclers.

In most cases, geography did not play a significant role in Pinellas County residents' opinions or practices regarding recycling.



Description: The double bar graph above shows the percentage trending of the residents that live in single-family housing and participate in recycling curbside. The percentage value for each category is as follows:

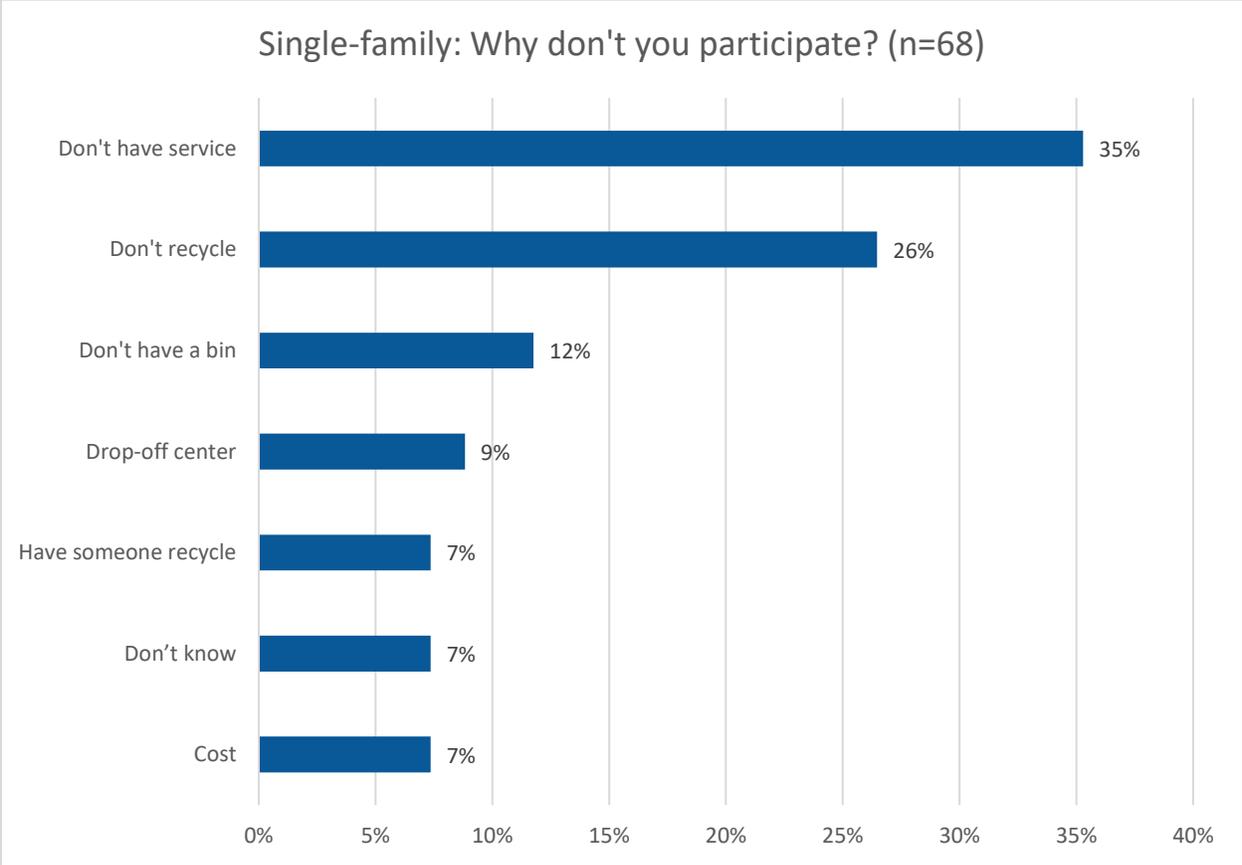
Recycle curbside in 2018: 92 percent

Recycle curbside in 2020: 86 percent

Do not recycle curbside in 2018: 8 percent

Do not recycle curbside in 2020: 14 percent

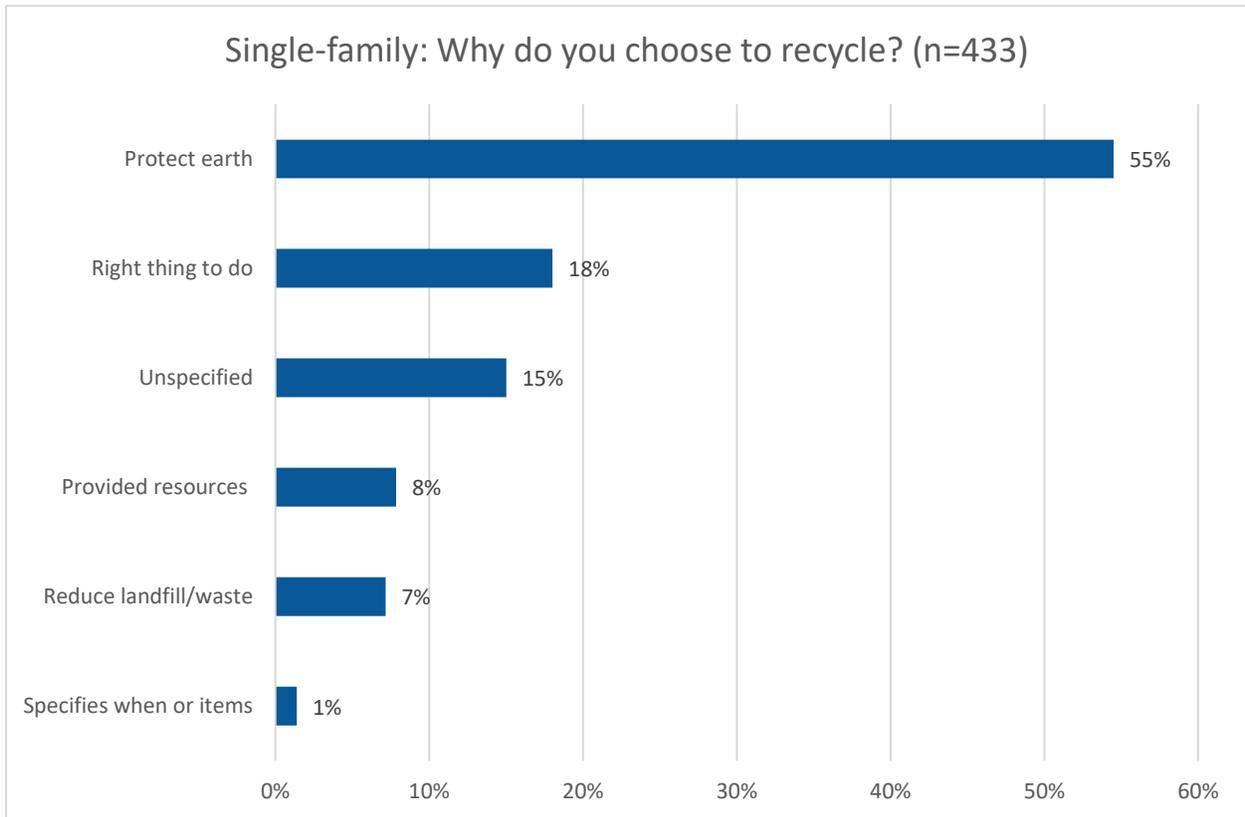
The 14% of respondents that do not recycle curbside were asked why they do not participate in recycling. Their responses were classified, grouped, and displayed in the chart below. The most common response for those that do not recycle is that they do not have the service (35%). Almost one in four (26%) do not recycle because they don't view it to be important, are too busy, or believe it to be an inconvenience. More than one in ten (12%) would recycle if they had a bin, and 9% are utilizing the drop-off collection centers as an alternative.



Description: The bar graph above shows the percentage of single-family residents' reasons why they do not participate in curbside recycling. The percentage value for each category is as follows:

- Don't have service: 35 percent
- Don't recycle: 26 percent
- Don't have a bin: 12 percent
- Drop-off center: 9 percent
- Have someone recycle: 7 percent
- Don't know: 7 percent
- Cost: 7 percent

The 86% of respondents that do recycle curbside were asked why they recycle in an open-ended question. The responses were coded into categories in the graph below and can be viewed in the appendices as verbatim responses. More than half of the single-family recyclers (55%) are doing so because they want to save or protect the earth, with an additional 18% believing that recycling is the right thing to do. Others lack a specific reason but still indicate that they recycle (15%) and state things such as “I have always recycled,” “I just do” or “why not.” Some residents mention that they recycle because they have the service or a recycling bin, so they might as well participate (8%). Another 7% of residents explicitly state that they want to reduce waste and the items going in the landfill. The remaining 1% of respondents do not give a reason but name the items in specific that they recycle.



Description: The bar graph above shows the percentage of single-family resident’s reasons why they participate in curbside recycling. The percentage value for each category is as follows:

Protect earth: 55 percent

Right thing to do: 18 percent

Unspecified: 15 percent

Provided resources: 8 percent

Reduce landfill or waste: 7 percent

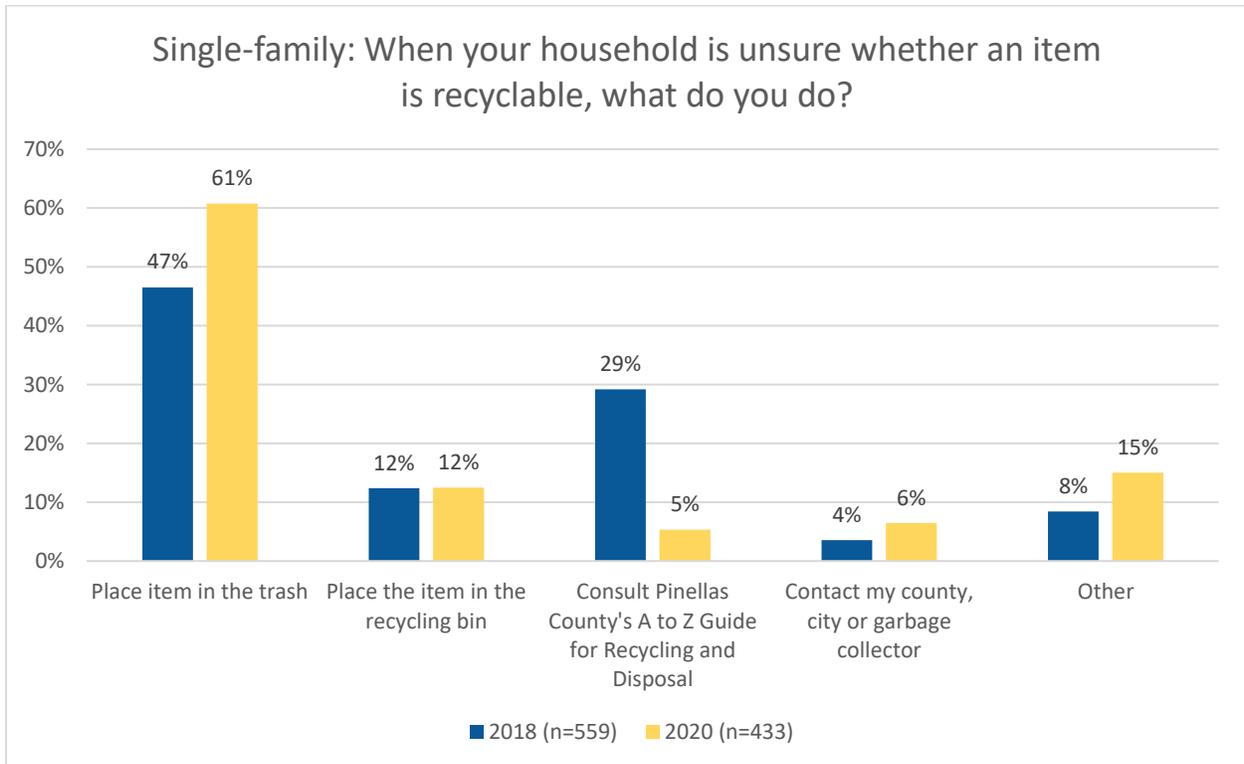
Specifies when or items: 1 percent

Curbside recyclers were asked questions related to the types of materials they choose to recycle. The most commonly recycled items include cardboard (97%) as well as plastic bottles and jugs (97%). Overall, nine in ten respondents claim to be recycling nearly all of these materials. Paper (95%) and metal cans (95%) are the second most common items to be recycled, followed by cartons (94%), and lastly, glass bottles and jars (93%). Respondents that selected “other,” volunteered: styrofoam, paint, egg cartons, cat litter jugs, and envelopes.

The two least frequently recycled items (cartons and glass bottles and jars) were still the lowest in 2018 but have a higher percentage of those recycling them in 2020 than in 2018. Cardboard was also the most recycled item in both years but has seen an increase in being recycled (from 92% in 2018 to 97% in 2020).

Single-family: Do you recycle the following items curbside? “Yes”		
	2018 (n=561)	2020 (n=433)
Metal cans (Aluminum, tin, & steel cans in 2018)	91%	95%
Cardboard	92%	97%
Cartons	75%	94%
Glass bottles and jars	87%	93%
Paper	90%	95%
Plastic bottle and jugs	91%	97%

While it is important to recycle, it is also important to recycle correctly. Those that recycle were asked what they do with an item if they are unsure whether the item is recyclable. Roughly three in five (61%) throw the item out if they are unsure about what to do, which is significantly higher than those who did this in 2018 (47%). There still is roughly one in ten respondents (12%) that place the item in the recycling bin, which has not changed since 2018. There was an 83% decrease in the number of people that consult Pinellas County’s A to Z Guide for Recycling and Disposal. This decrease is likely attributable to the change in methodology for the 2020 survey, resulting in an increased random sampling of Pinellas County residents who are not aware of the information being disseminated to the community by DSW.



Description: The double bar graph above shows the percentage trending of what single-family residents that recycle do if they are unsure about whether an item can be recycled or not. The percentage value for each category is as follows:

Place item in the trash in 2018: 47 percent

Place item in the trash in 2020: 61 percent

Place item in the recycling bin in 2018: 12 percent

Place item in the recycling bin in 2020: 12 percent

Consult Pinellas County’s A to Z guide for recycling and disposal in 2018: 29 percent

Consult Pinellas County’s A to Z guide for recycling and disposal in 2020: 5 percent

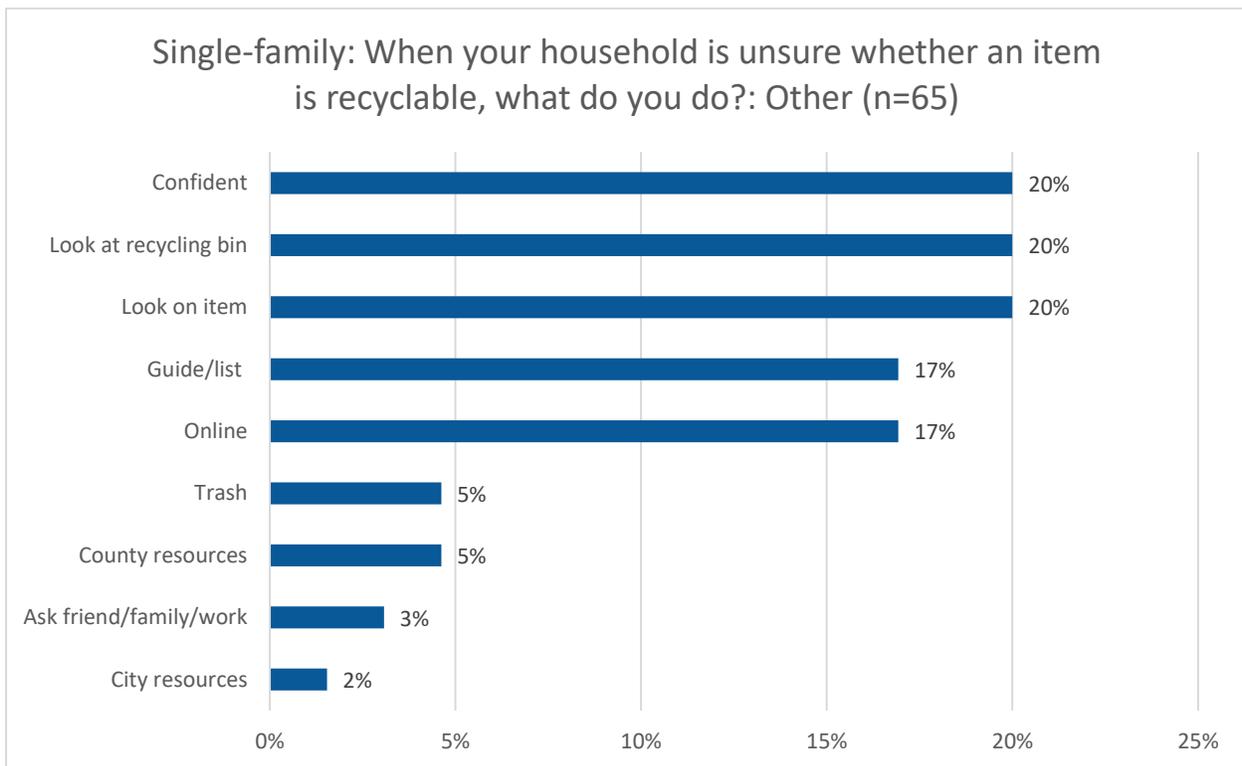
Contact my County, city, or garbage collector in 2018: 4 percent

Contact my County, city, or garbage collector in 2020: 6 percent

Other in 2018: 8 percent

Other in 2020: 15 percent

In 2020, there was an increase of 88% in those that responded with “other” as the response for what to do when they are unsure if an item is recyclable or not. Those that wrote in response to “other” were categorized and put into the graph below. The most common response is a three-way tie between people feeling extremely confident that they are recycling correctly (20%), and they either look at the items on the recycling bin (20%) or look at the item to see if it has the recycling symbol (20%). There were (17%) that has a guide or list, and (17%) search online. Those that look to a guide did not specify whether the guide was a county resource. Although throwing away the item in question was a predefined option, some respondents indicated throwing the item away if the item was not able to be recycled or after they utilized another resource (5%). There are small percentages of residents that look to county resources (5%), ask their peers (3%), or seek answers in resources from the city they live in (2%).

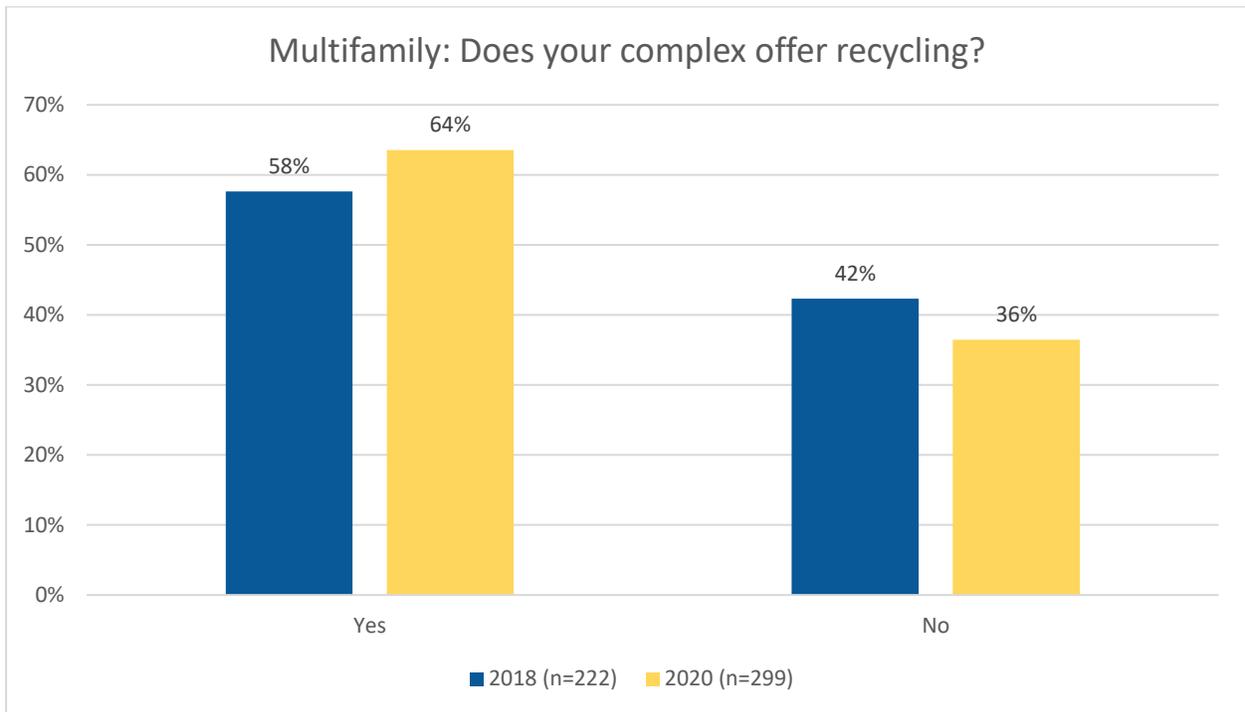


Description: The bar graph above shows the percentage of what single-family residents that recycle do if they are unsure about whether an item can be recycled or not, who selected other. The percentage value for each category is as follows:

- Confident: 20 percent
- Look at recycling bin: 20 percent
- Look on item: 20 percent
- Have a guide or list: 17 percent
- Look online: 17 percent
- Throw item in trash: 5 percent
- Utilize county resources: 5 percent
- Ask friend, family, or co-worker: 3 percent
- Utilize city resources: 2 percent

Multifamily

Those that live in multifamily housing were asked similar questions about recycling in their shared dwellings. Almost two thirds (64%) state that they have recycling offered to them in their multifamily residence. In 2020, there is a 10% increase in those living in multifamily housing who have recycling offered to them. This is a promising development, as multifamily residents individually have limited ability to affect policy changes at apartment complexes (the increased sampling of multifamily homes from 2018 into 2020 increases the accuracy of this measurement).



Description: The double bar graph above shows the percentage trending of residents that live in multifamily housing and are aware that their complex offers recycling. The percentage value for each category is as follows:

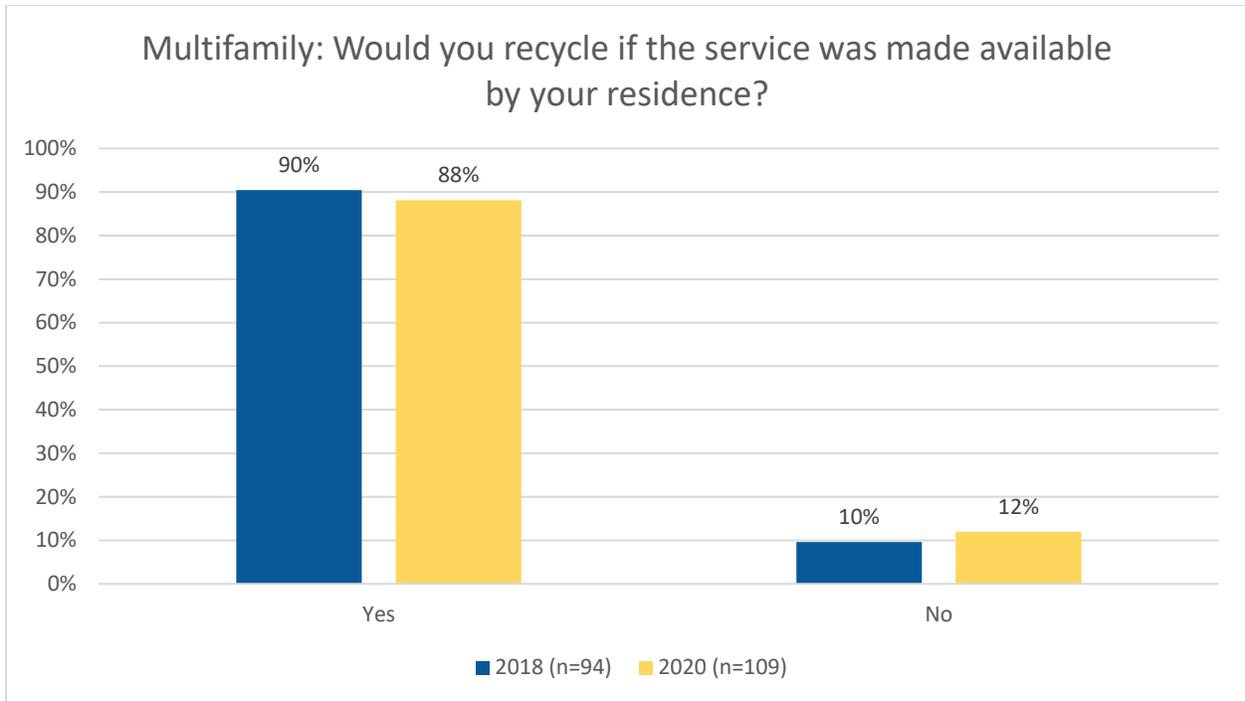
Multifamily residence offers recycling at their complex in 2018: 58 percent

Multifamily residence offers recycling at their complex in 2020: 64 percent

Multifamily residence doesn't offer recycling at their complex in 2018: 42 percent

Multifamily residence doesn't offer recycling at their complex in 2020: 36 percent

The 36% of multifamily residents that do not have recycling offered at their complex were asked whether they would recycle were the service made available. Nearly nine in ten (88%) would utilize the service. Compared to 2018, there is a statistically insignificant 2% decrease in those that would recycle if it were offered at their complex. Demand for the option to recycle remains high among multifamily dwellers.



Description: The double bar graph above shows the percentage trending of the residents that live in multifamily housing that do not have recycling at their complex and were asked if they would participate if it were available at their residence. The percentage value for each category is as follows:

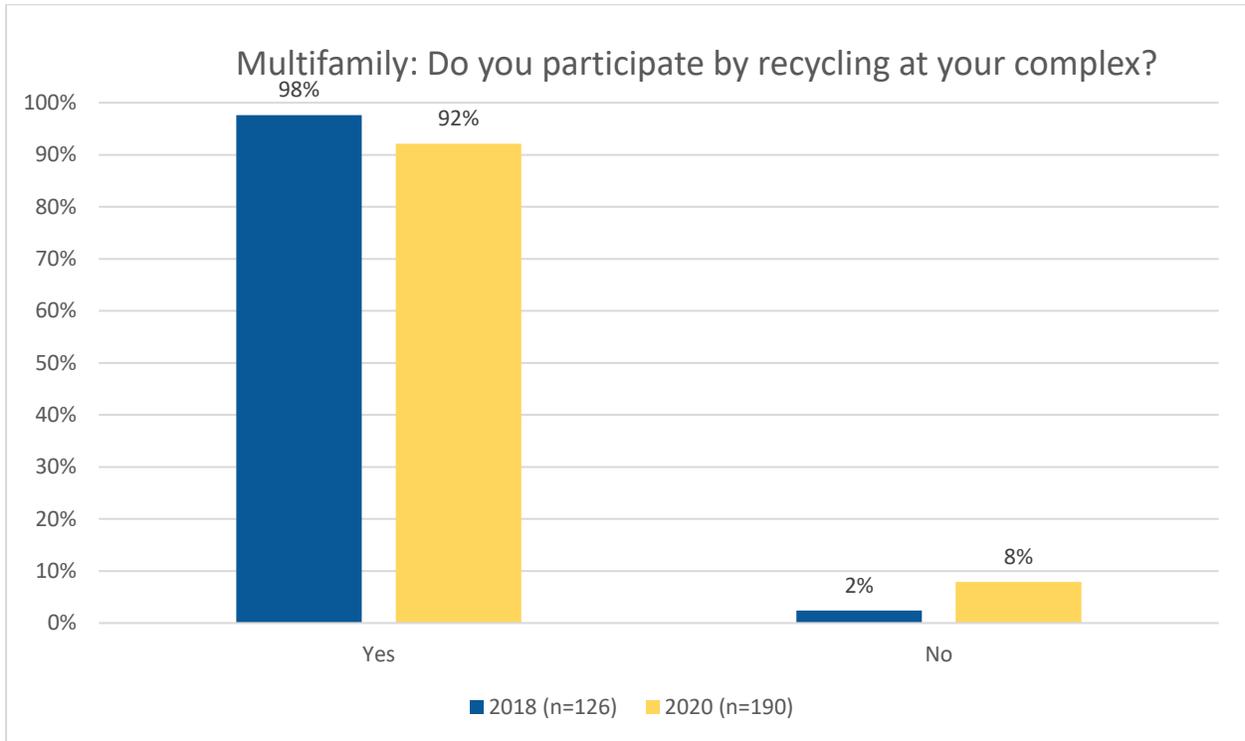
Would recycle if service made available in 2018: 90 percent

Would recycle if service made available in 2020: 88 percent

Still would not recycle if service made available in 2018: 10 percent

Still would not recycle if service made available in 2020: 12 percent

The 86% that have the option to recycle in their multifamily residency were asked whether they participate. More than nine in ten (92%) are recycling at their multifamily residence. As with the single-family residents, there was observed a significant decrease (6%) in those recycling.



Description: The double bar graph above shows the percentage trending of the residents that live in multifamily housing that recycle. The percentage value for each category is as follows:

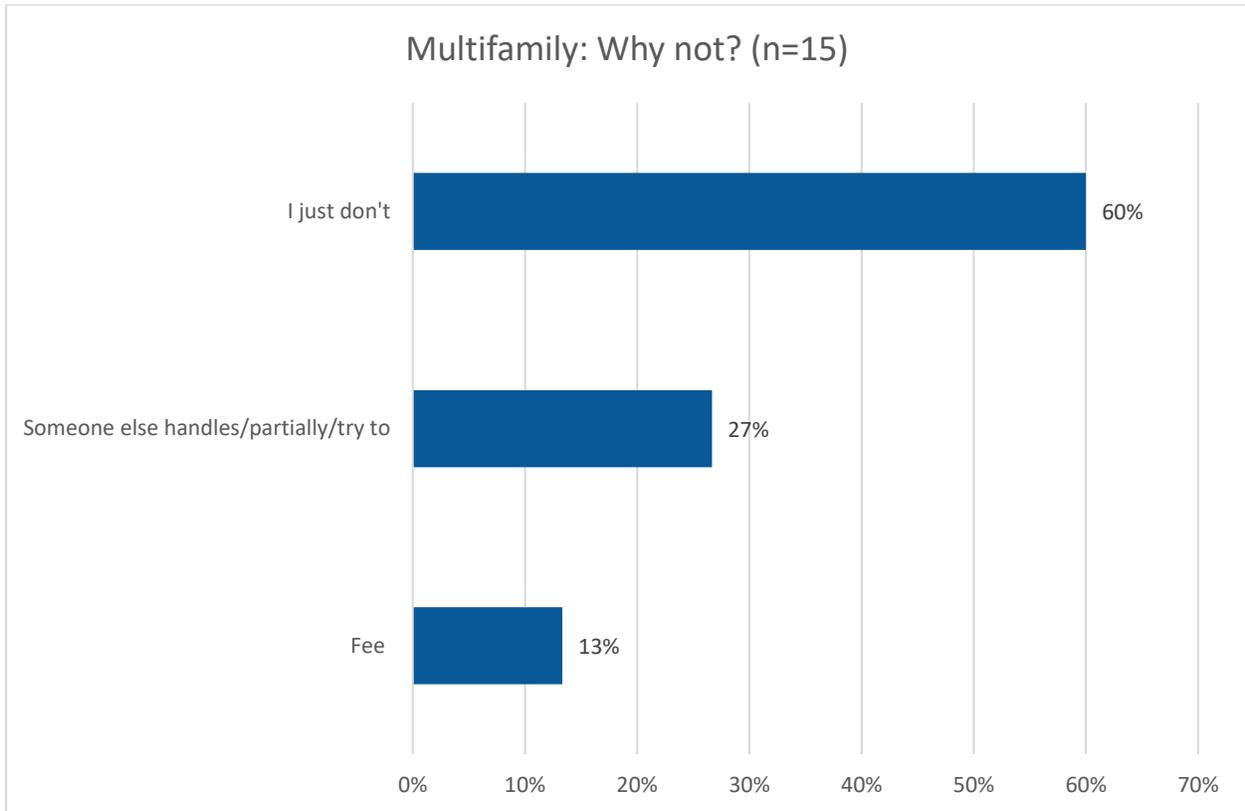
Recycle at complex in 2018: 98 percent

Recycle at complex in 2020: 92 percent

Do not recycle at complex in 2018: 2 percent

Do not recycle at complex in 2020: 8 percent

Those that have recycling offered to them but are still not participating (8%), were asked in an open-ended format, why not. The majority (60%) indicated that they are not recycling because they are lazy, do not wish to pay the fee, or simply stated, “I just don’t.” Slightly more than one in four (27%) respondents stated that someone else, such as a landlord or friend, handles recycling for them. The remaining 13% of respondents mention that they do not recycle because of the additional cost(s) to activate the service. To see all responses, look to the appendices.



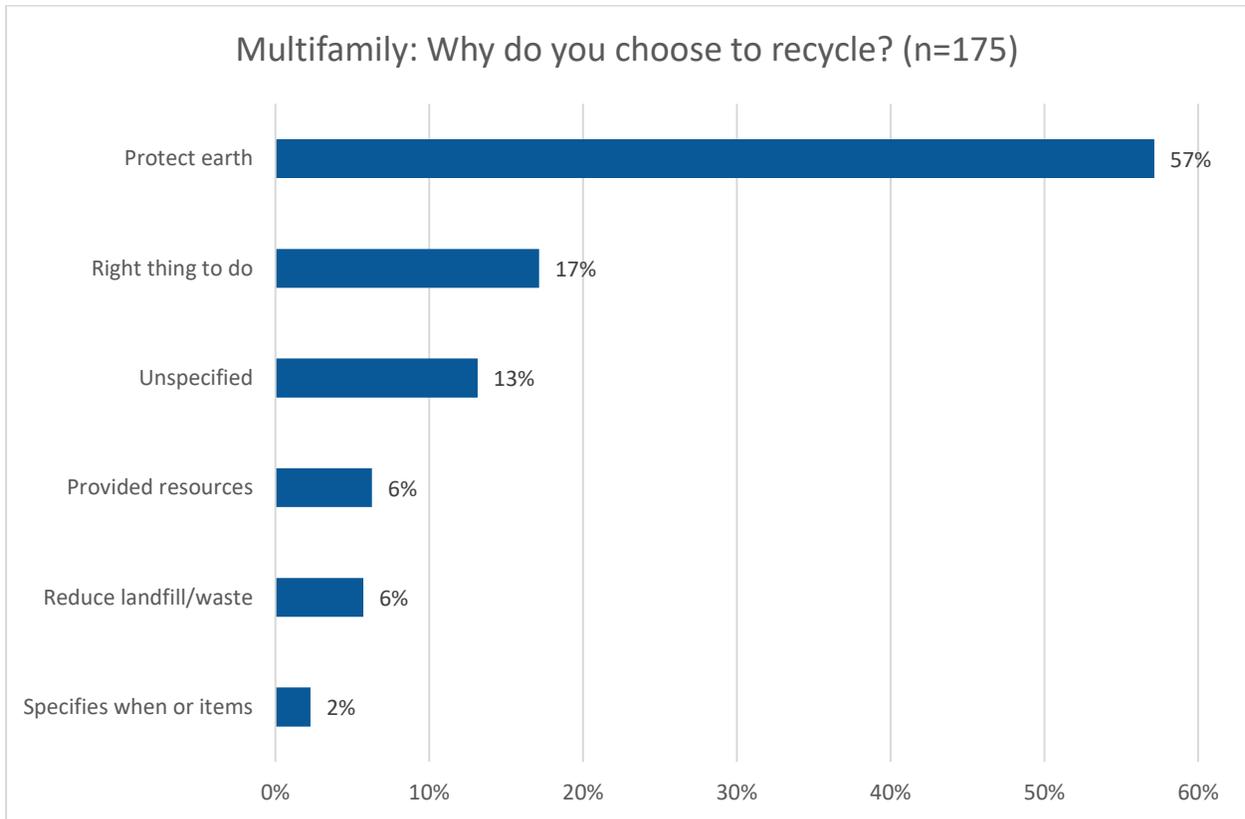
Description: The bar graph above shows the percentage of residents that live in multifamily housing’s reasons for why they do not recycle. The percentage value for each category is as follows:

I just don’t: 60 percent

Someone else or partially recycle or they try to: 27 percent

Fee: 13 percent

Of the 92% of respondents that have the service offered and are recycling, an open-ended question asking why they choose to recycle was presented to them. Their responses were coded, grouped, and are displayed in the graph below, and all verbatim responses are in the appendices. The predominant responses mirror single-family residents, with more than half (57%) wanting to protect the earth, and 17% believing it is the right thing to do. There were a bit more than one in ten (13%) that did not have a specific reason but indicated they recycle, 6% recycle because it is provided for them at their complex, and another 6% recycle because they want to reduce waste and maximize space in the landfill. A remaining 2% cited specific items they recycle, such as water bottles or glass.



Description: The bar graph above shows the percentage of residents that live in multifamily housing’s reasons for why they recycle. The percentage value for each category is as follows:

Protect earth: 57 percent

Right thing to do: 17 percent

Unspecified: 13 percent

Provided resource: 6 percent

Reduce landfill or waste: 6 percent

Specifies when or items: 2 percent

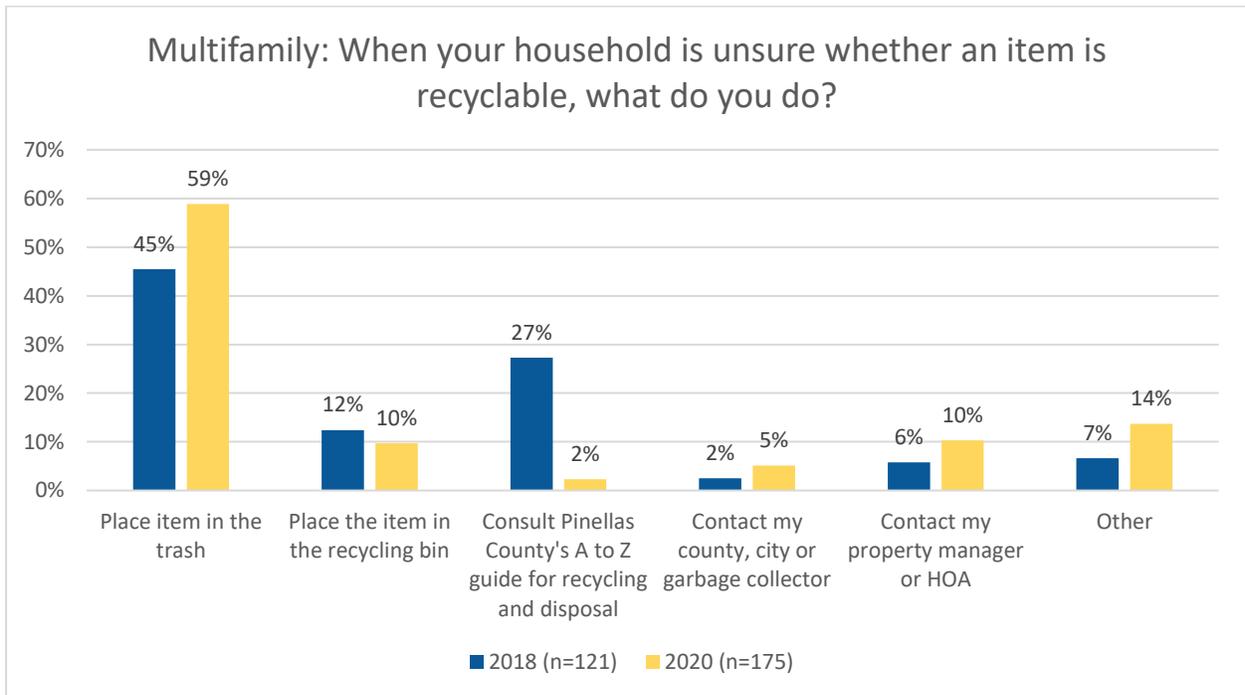
As with single-family respondents, multifamily residents were asked which items they are recycling, rather than the 2018 format in which respondents selected the picture of the items they recycle. The top material for multifamily residents is plastic bottles and jugs (97%) in 2020 compared to cardboard (89%) in 2018. In 2020, cardboard and paper are tied as the second most frequently recycled items (95%), metal cans is the third most recycled item (93%), followed by cartons (91%), and lastly, glass bottles and jars (89%), which was also the least recycled item for single-family residents.

In 2020, there is a larger sample of those in multifamily housing that are recycling certain items, and the items that they are recycling have all increased from 2018.

Multifamily: Do you recycle the following items at you complex? “Yes”		
	2018 (n=123)	2020 (n=175)
Metal cans (Aluminum, tin, & steel cans in 2018)	84%	93%
Cardboard	89%	95%
Cartons	73%	91%
Glass bottles and jars	82%	89%
Paper	85%	95%
Plastic bottle and jugs	84%	97%

Most multifamily households are placing items they are unsure about in the trash (59%) rather than recycling them. One in ten (10%) mention that they either contact their property manager or HOA or recycle the item. This figure is very similar to single-family residents, suggesting that the residency type does not affect that decision. There are 5% that contact the County or city they live in, and only 2% utilize the “A to Z Guide.” The remaining 14% listed “other,” and the open-ended responses were coded in a graph on the next page.

There is a significant increase (31%) in residents that are placing items in the trash that they are unsure of whether they can be recycled. Similar to the trend in single-family, there is a significant decrease (93%) in residents that utilize the “A to Z Guide.”



Description: The double bar graph above shows the percentage trending of what multifamily residents that recycle do if they are unsure about whether an item can be recycled or not. The percentage value for each category is as follows:

Place item in the trash in 2018: 45 percent

Place item in the trash in 2020: 59 percent

Place item in the recycling bin in 2018: 12 percent

Place item in the recycling bin in 2020: 10 percent

Consult Pinellas County’s A to Z guide for recycling and disposal in 2018: 27 percent

Consult Pinellas County’s A to Z guide for recycling and disposal in 2020: 2 percent

Contact my County, city, or garbage collector in 2018: 2 percent

Contact my County, city, or garbage collector in 2020: 5 percent

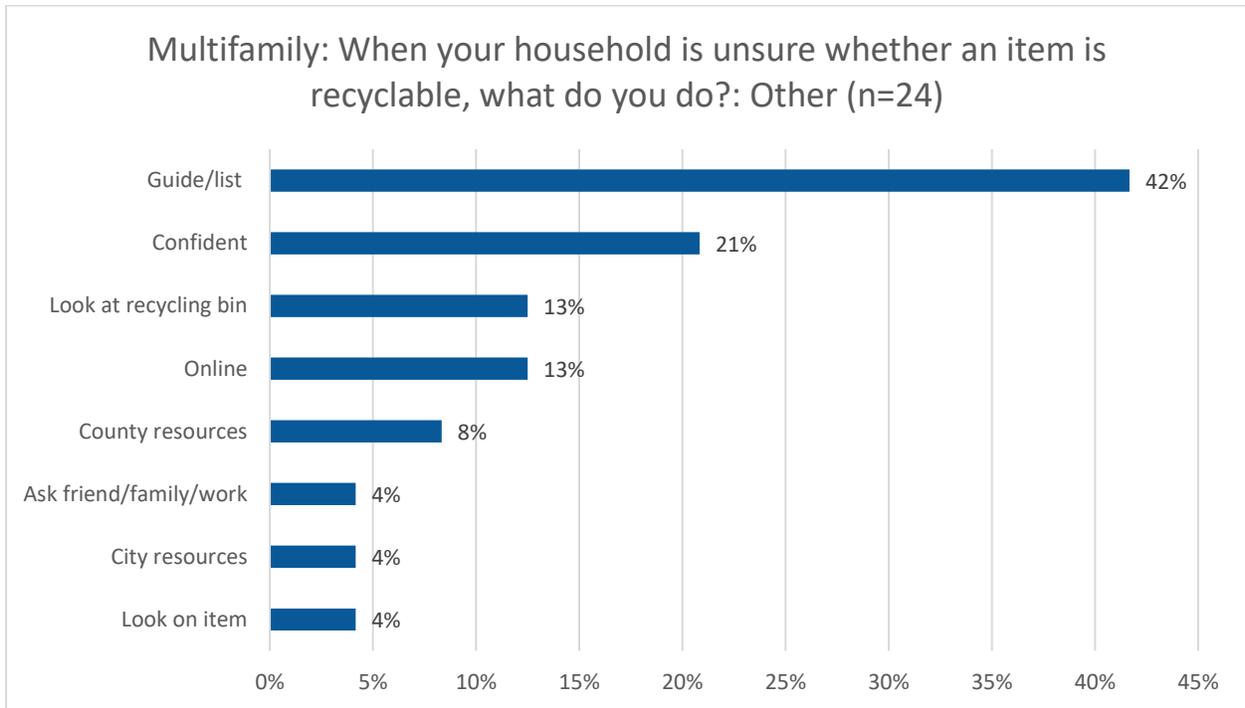
Contact my property manager or HOA in 2018: 6 percent

Contact my property manager or HOA in 2020: 10 percent

Other in 2018: 7 percent

Other in 2020: 14 percent

For the 14% of those that responded with “other” regarding what they do if they are unsure if an item is recyclable or not, the most common response, unlike single-family respondents, is that they have a guide or list they look to (42%). Similarly, to those living in a single-family residence and unsure about a recyclable, those that cited a guide did not specify if it was a county resource or from another source. One in five multi-family residents (21%) feels confident about recycling, and 13% either look at their recycling bin for guidance or look online. There are 8% that utilize county resources and 4% that do one of three things—ask a friend or family, utilize city resources, or look at the item for direction. To see all the verbatim responses for “other,” look to the appendices.

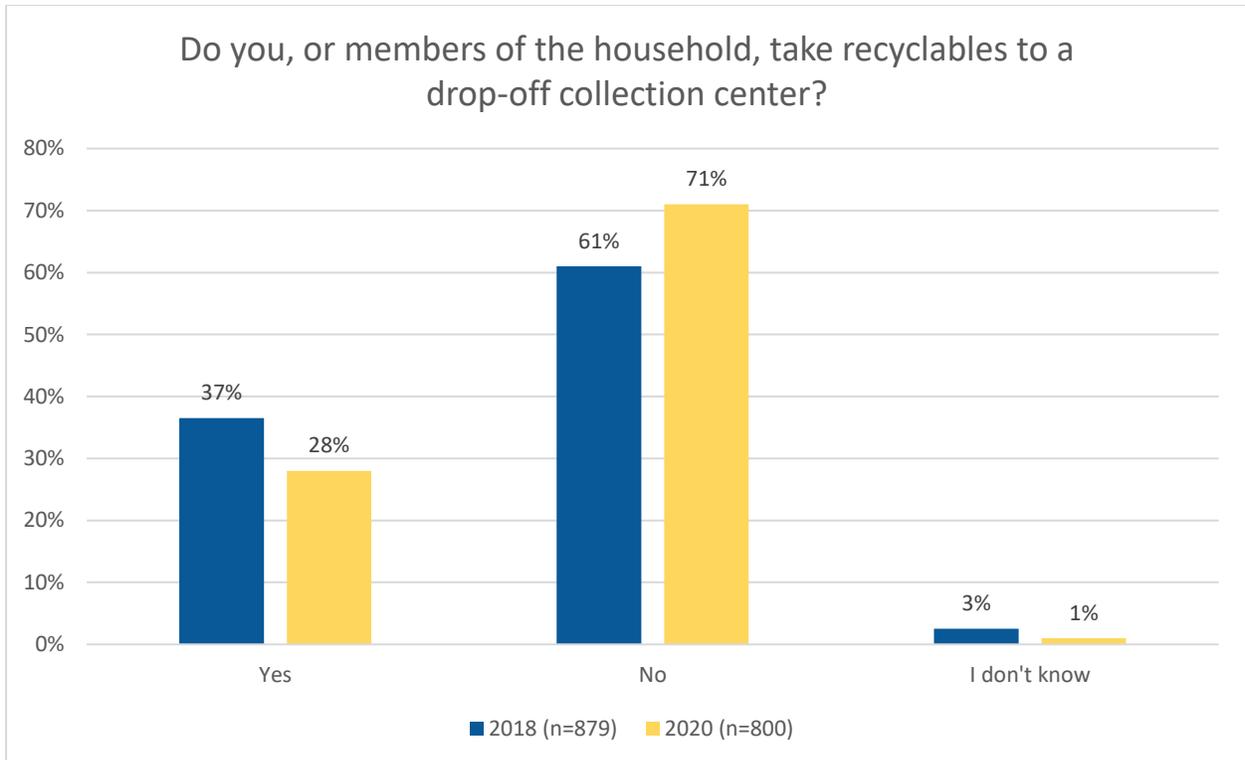


Description: The bar graph above shows the percentage of what multifamily residents that recycle do if they are unsure about whether an item can be recycled or not, who selected other. The percentage value for each category is as follows:

- Have guide or list: 42 percent
- Confident: 21 percent
- Look at recycling bin: 13 percent
- Online: 13 percent
- Utilize county resources: 8 percent
- Ask friend or family or co-worker: 4 percent
- Utilize city resources: 4 percent
- Look on item: 4 percent

Recycling Practices

All respondents – single- and multi-family residents – are asked questions about their specific recycling practices. The County provides free drop-off collection centers located throughout the County, including unincorporated areas, as well as within municipalities where residents may go to recycle items typically accepted at a multifamily dwelling or a curbside program. Respondents were asked if they personally recycle at these or if members of their households do. Only approximately one in four (28%) are using the collection sites, while seven in ten (71%) do not, and the remaining 1% are unsure. In both single-family and multifamily residences, there was a decrease in recycling participation from 2018, and that trend remains prevalent with recycling at drop-off collection centers.



Description: The double bar graph above shows the percentage trending of the residents that utilize a drop-off collection center. The percentage value for each category is as follows:

Yes in 2018: 37 percent

Yes in 2020: 28 percent

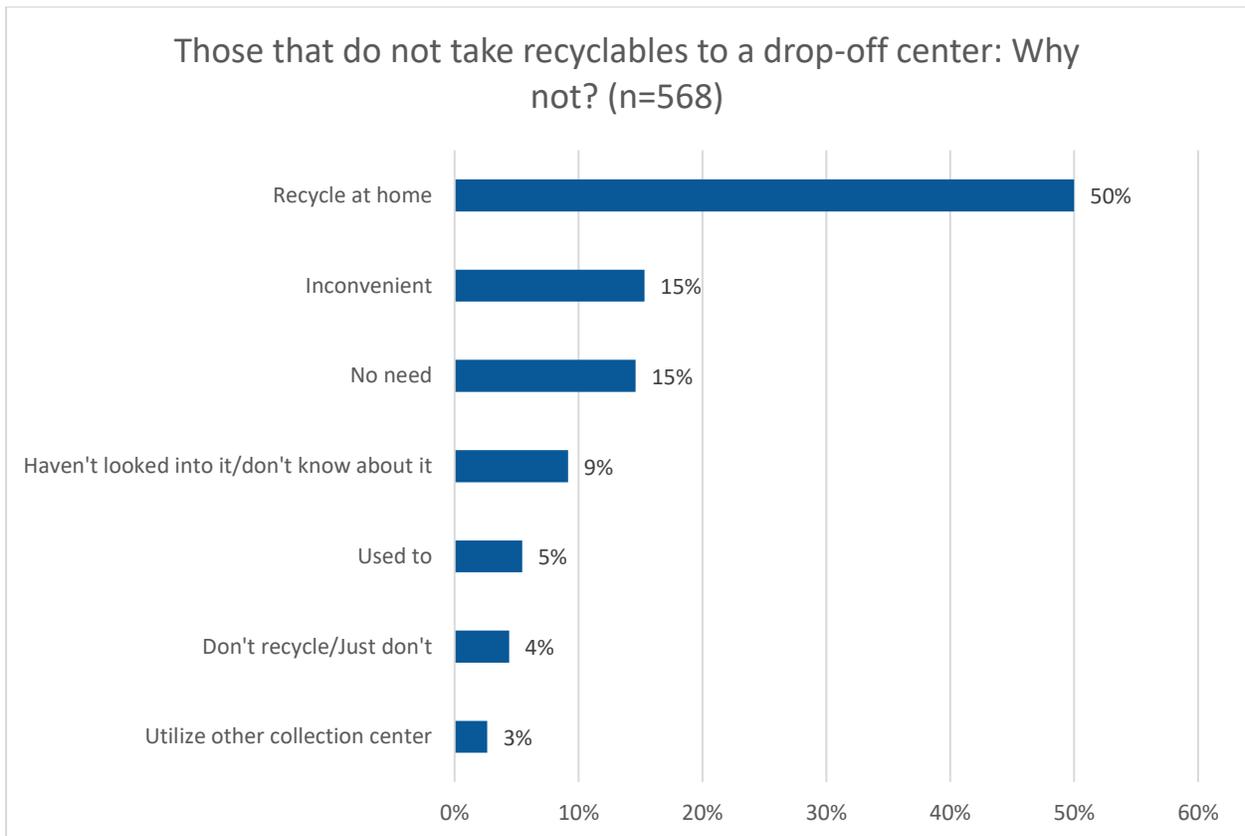
No in 2018: 61 percent

No in 2020: 71 percent

I don't know in 2018: 3 percent

I don't know in 2020: 1 percent

Those that do not utilize the drop-off centers were asked why they do not. More than half (51%) indicate that they do not because their recycling needs are met by curbside recycling or recycling at their complex. Fifteen percent state it is either inconvenient to go to the sites for recycling, or that they do not need to go. There are almost one in ten (9%) that are not aware this resource exists, 5% that used to go to the centers, 4% that do not recycle, and 3% that does not utilize the drop-off centers but are going to other locations to recycle specific items such as plastic bags or household hazardous waste.



Description: The bar graph above shows the percentage of the residents' reasoning on why they do not utilize drop-off collection centers. The percentage value for each category is as follows:

Recycle at home: 50 percent

Inconvenient: 15 percent

No need: 15 percent

Haven't looked into it or don't know about it: 9 percent

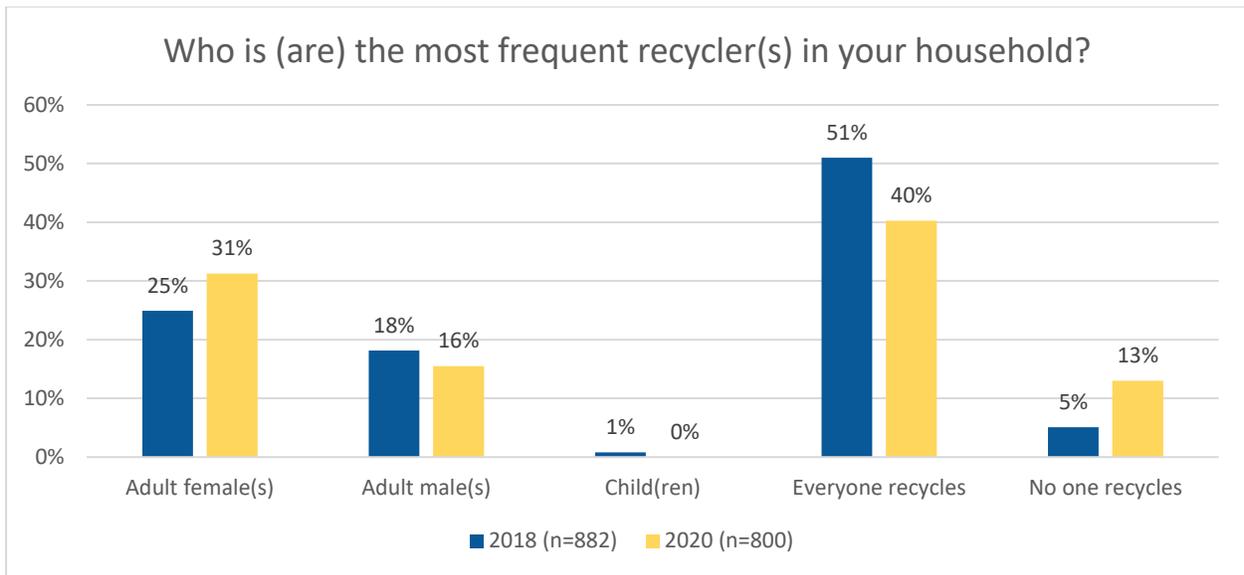
Used to: 5 percent

Don't recycle or just don't use: 4 percent

Utilize other collection centers: 3 percent

Respondents were asked about the member(s) of their household who engage(s) with recycling the most. Two in five (40%) say everyone in their household participates, while 31% state the most frequent recyclers are adult female(s). Almost one in five (16%) have the most frequent recycler in their household to be men, and 13% are not recycling at all.

There was a significant decrease (22%) in households stating everyone recycles, and a significant increase (160%) in the “no one recycles” option. The decrease in recycling is seen throughout the 2020 survey. There is also a shift in 2020 with more females recycling than males and no households name “child(ren)” as the most frequent recycler. This change is directly related to the methodology in 2020, which succeeded in targeting residents of all backgrounds and not only those with direct engagement with Pinellas County.

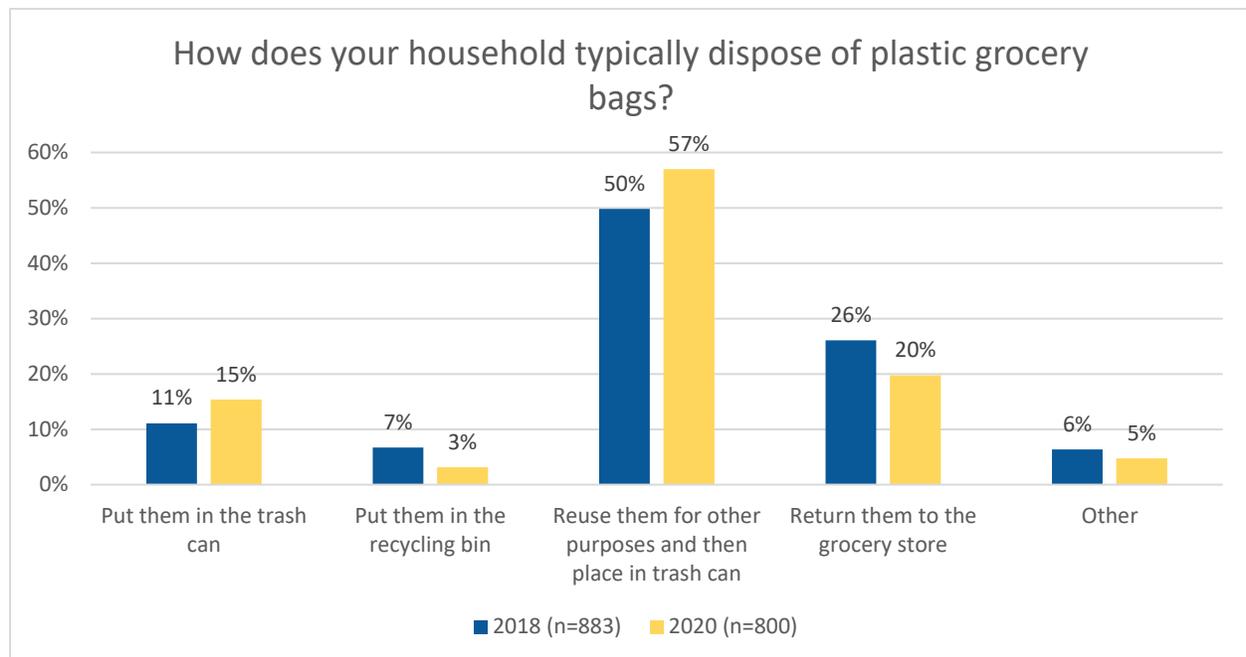


Description: The double bar graph above shows the percentage trending of the most frequent recyclers per household. The percentage value for each category is as follows:

- Adult female(s) in 2018: 25 percent
- Adult female(s) in 2020: 31 percent
- Adult male(s) in 2018: 18 percent
- Adult male(s) in 2020: 16 percent
- Children in 2018: 1 percent
- Children in 2020: 0 percent
- Everyone recycles in 2018: 51 percent
- Everyone recycles in 2020: 40 percent
- No one recycles in 2018: 5 percent
- No one recycles in 2020: 13 percent

Households were asked in an open-ended format how they typically dispose of grocery bags. The vast majority (97%) state that they do not place plastic bags in the recycling bin. This is good news because plastic bags become tangled in recycling sorting equipment and can interfere or stop recycling facility operations. This means that there are still 3% of households that are placing plastic bags into the recycling bin. More than half (57%) repurpose them and then throw the bags away, one in five (20%) take bags to the grocery store to be recycled, and 15% throw them away. There were 5% that answered “other” as the disposal method.

In 2020, there is a slight decrease (57%) in those that put plastic bags in the recycling bin and a significant increase in those that throw bags away, regardless of if they are reused or not before doing so (36% increase in throwing away; 14% increase in reusing before throwing away). With these shifts in behavior, there is also a significant decrease (23%) in those that recycle plastic bags at grocery stores, which can also be attributed to the byproducts of COVID-19 where grocery stores are unable to collect plastic grocery bags.



Description: The double bar graph above shows the percentage trending of how residents dispose of plastic grocery bags. The percentage value for each category is as follows:

Put them in the trash can in 2018: 11 percent

Put them in the trash can in 2020: 15 percent

Put them in the recycling bin in 2018: 7 percent

Put them in the recycling bin in 2020: 3 percent

Reuse them for other purposes and then place in trash can in 2018: 50 percent

Reuse them for other purposes and then place in trash can in 2020: 57 percent

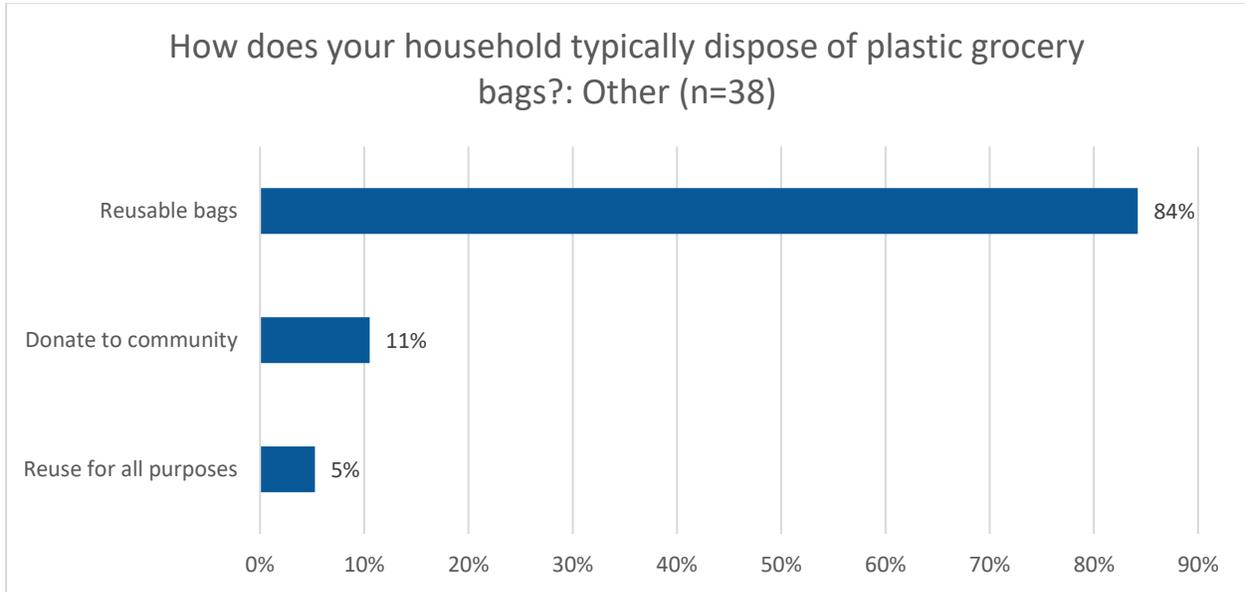
Return them to the grocery store in 2018: 26 percent

Return them to the grocery store in 2020: 20 percent

Other in 2018: 6 percent

Other in 2020: 5 percent

For the 5% that wrote in an “other” disposal option, 84% mention that they do not use plastic bags; instead, these residents utilize reusable bags. Another 11% of residents state that they donate them to the community—such as a church or food bank to be reused, while 5% reuse plastic bags for more than one purpose.



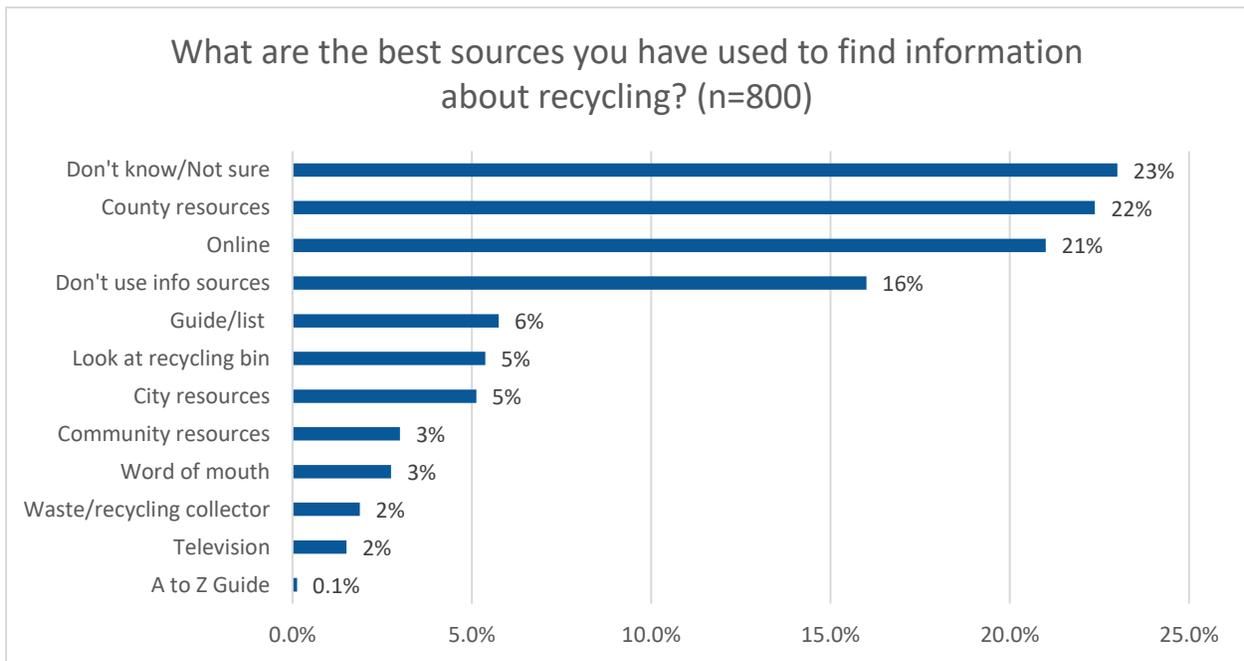
Description: The bar graph above shows the percentage of how residents dispose of plastic grocery bags when they cite “other.” The percentage value for each category is as follows:

Reusable bags: 84 percent

Donate to community: 11 percent

Reuse for all purposes: 5 percent

All respondents were asked what their preferred sources to find information about recycling are, and exact responses are included in the appendices. There were more than one in five that state they are not sure the best source (23%), look to Pinellas County resources (22%), or go online (21%) for information. Taking into account the approximate one in five respondents (22%) that consider Pinellas County to have good sources of information about recycling as well as the 6% that has a guide or list, this means that there are 28% utilizing county resources. In contrast, more than seven in ten (72%) are not looking to the County for resources to get recycling information. More than one in ten (16%) do not look to or use information sources for recycling, 6% have a guide or list for reference, 5% look at their recycling bin to understand what can and cannot be recycled or utilize their city resources. Small percentages have resources available to their community, like a flyer or bulletin board with information (3%), learn through word of mouth (3%), go to their waste or recycling collector directly (2%), learn through the television (2%), and very few named the “A to Z Guide” (0.1%). Very few cite the “A to Z Guide” specifically whereas “guide/list” has 6% of respondents using as a source to get information; there is ambiguity as to the specific guide or list that respondents are looking to for information and brand recognition might be low for the County’s guide.

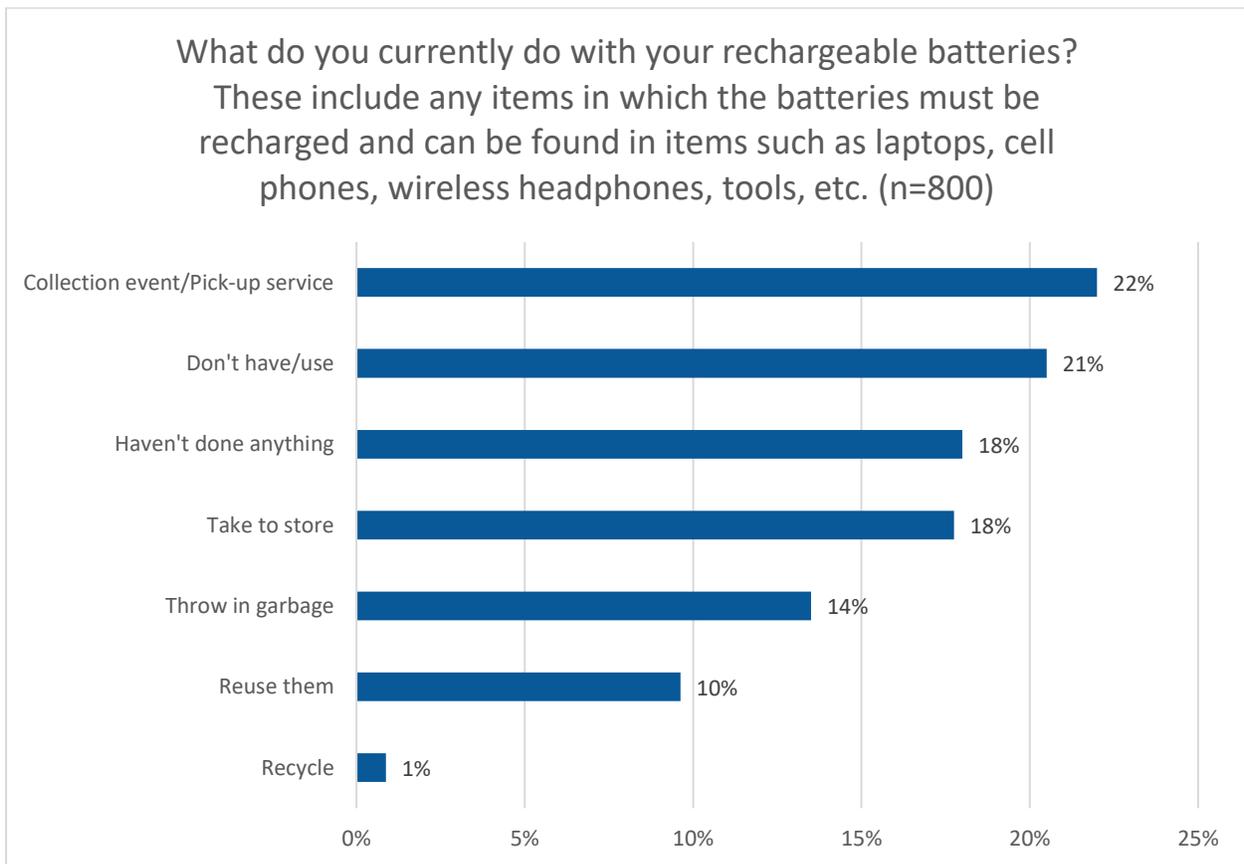


Description: The bar graph above shows the percentage of where residents find the best sources of information about recycling. The percentage value for each category is as follows:

- Don't know or not sure: 23 percent
- Utilize county resources: 22 percent
- Online: 21 percent
- Don't use info sources: 16 percent
- Guide/list: 6 percent
- Look at recycling bin: 5 percent
- Utilize city resources: 5 percent
- Community resources: 3 percent

Word of mouth: 3 percent
Waste/recycling collector: 2 percent
Television: 2 percent
A to Z guide: 0.1 percent

DSW wanted to understand citizen’s behaviors with the handling of rechargeable batteries, so a new question was added in 2020 to understand this practice. The question was presented in an open-ended format to capture all behaviors and coded into the graph below, while explicit responses are in the appendices. The most prevalent response was to take rechargeable batteries to a collection event or have a service in which the batteries are picked up (22%), followed closely by 21% of the respondents stating that they do not use rechargeable batteries. There are 18% of respondents that say they have the batteries still in their possession and haven’t disposed of them or named a specific store where they take them to, such as Best Buy or Home Depot. More than one in ten (14%) throw away rechargeable batteries, and one in ten (10%) recharge them when needed. While there was only 1% that cites they put the batteries in the recycling bin, it is important to bring awareness to this group in particular that rechargeable batteries should not be put in the recycling bin.



Description: The bar graph above shows the percentage of how residents dispose of rechargeable batteries. The percentage value for each category is as follows:

Collection event or pick-up service: 22 percent

Don't have or use: 21 percent

Haven't done anything: 18 percent

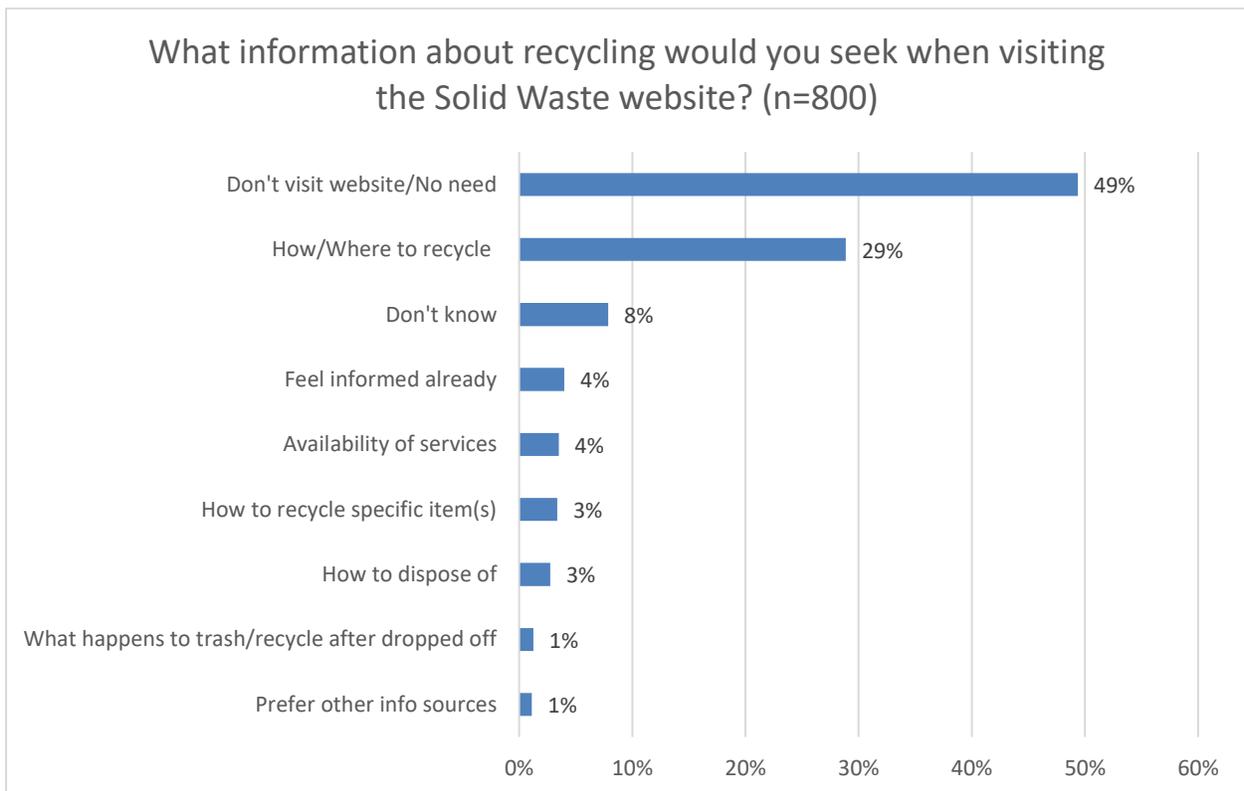
Take to store: 18 percent

Throw in garbage: 14 percent

Reuse them: 10 percent

Recycle: 1 percent

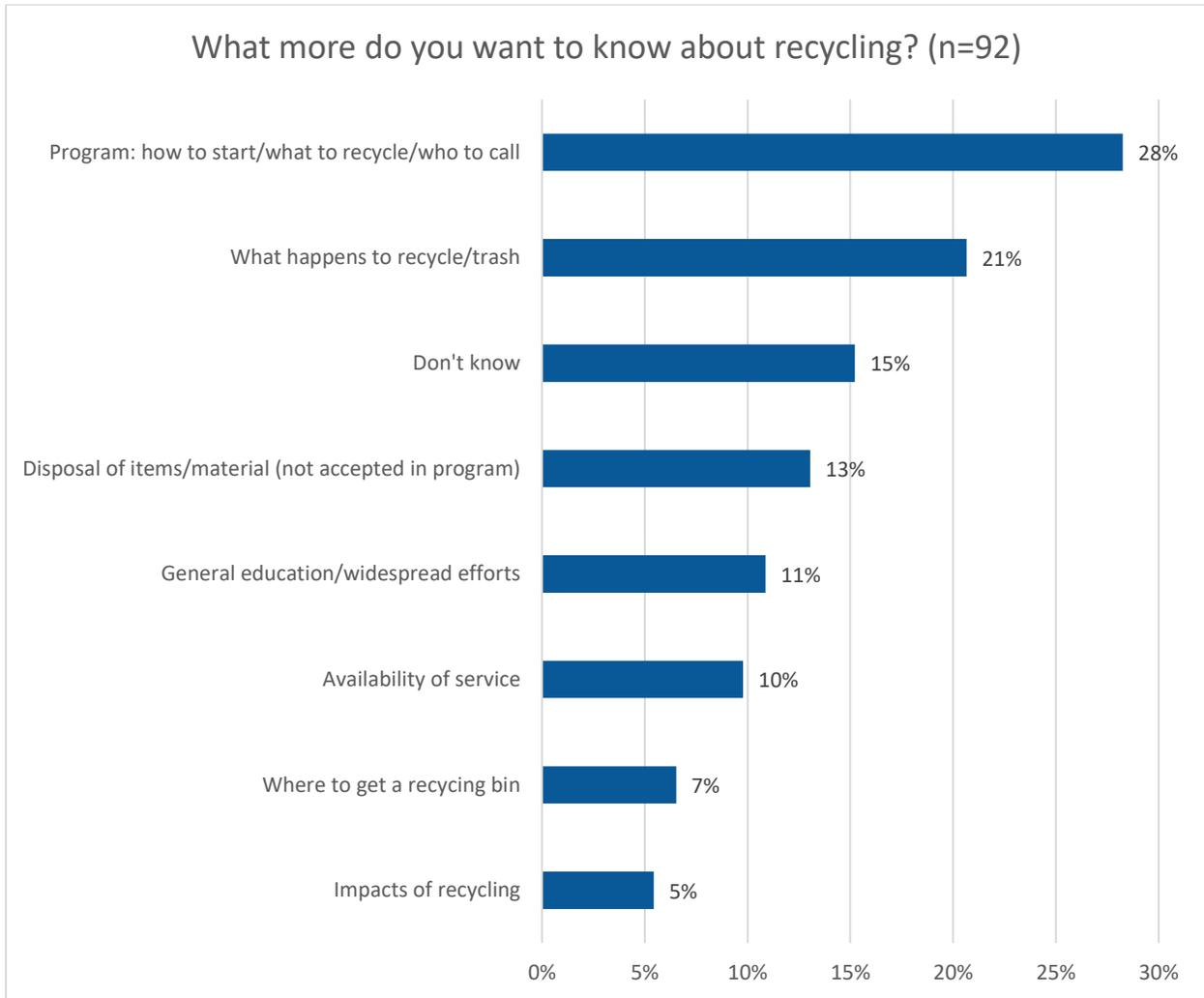
All respondents were asked what information they would seek out when visiting DSW’s website, with the responses coded in the graph below and responses included in the appendices. Almost half (49%) said that they do not currently visit the website or have a need to. Almost three in ten (29%) would like more general information—like how and where to recycle. There were 8% that did not know the information they would seek, 4% feel informed already, and an additional 4% would like to know about the availability of services. There were 3% that either cited that they would like to understand how to recycle specific items or how to dispose of materials that cannot be recycled. A small percentage of respondents (1%) would also like to understand what happens to trash or recyclables after they are collected, and an additional 1% stated they prefer other resources over the county website, such as the internet, asking friends and family, or calling the County or city in which they reside.



Description: The bar graph above shows the percentage breakdown of what information residents are looking for on the Solid Waste’s website. The percentage value for each category is as follows:

- Don’t visit website or no need: 49 percent
- How or where to recycle: 29 percent
- Don’t know: 8 percent
- Feel informed already: 4 percent
- Availability of services: 4 percent
- How to recycle specific item: 3 percent
- How to dispose of: 3 percent
- What happens to trash or recycling after dropped off: 1 percent
- Prefer other information sources: 1 percent

In an open response question, respondents were asked what more they want to know about recycling; more than seven in eight respondents (708) answered “nothing,” so the graph below depicts the remaining 92 responses that were coded and name something specific respondents would like to know. In general, curious residents were interested in how to start a recycling program at home and what happens to the recycling and trash that is collected. To see what each respondent said individually, look to the appendices.



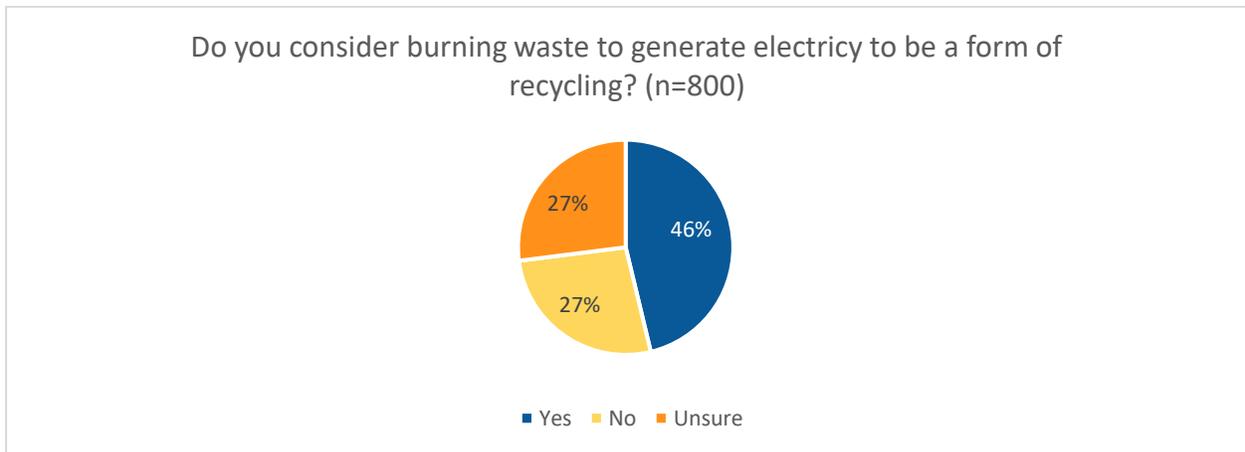
Description: The bar graph above shows the percentage of what residents want to know about recycling. The percentage value for each category is as follows:

- Regarding recycling programs: 28 percent
- What happens to recycling or trash: 21 percent
- Don't know: 15 percent
- Disposal of items or material: 13 percent
- General education and widespread efforts: 11 percent
- Availability of services: 10 percent
- Where to get a recycling bin: 7 percent
- Impacts of recycling: 5 percent

Recycling Awareness

The following section considers the levels of awareness that the general public has with respect to specific statements of fact.

Respondents were asked whether they believe burning waste to generate electricity to be a form of recycling. There were 46% of respondents that believe it to be and equally 27% that do not believe it to be recycling or are unsure of how to classify burning waste. While this question does not specifically address burning waste as “Waste-to-Energy,” a question in the next section asks about the specific process that Pinellas County operates.



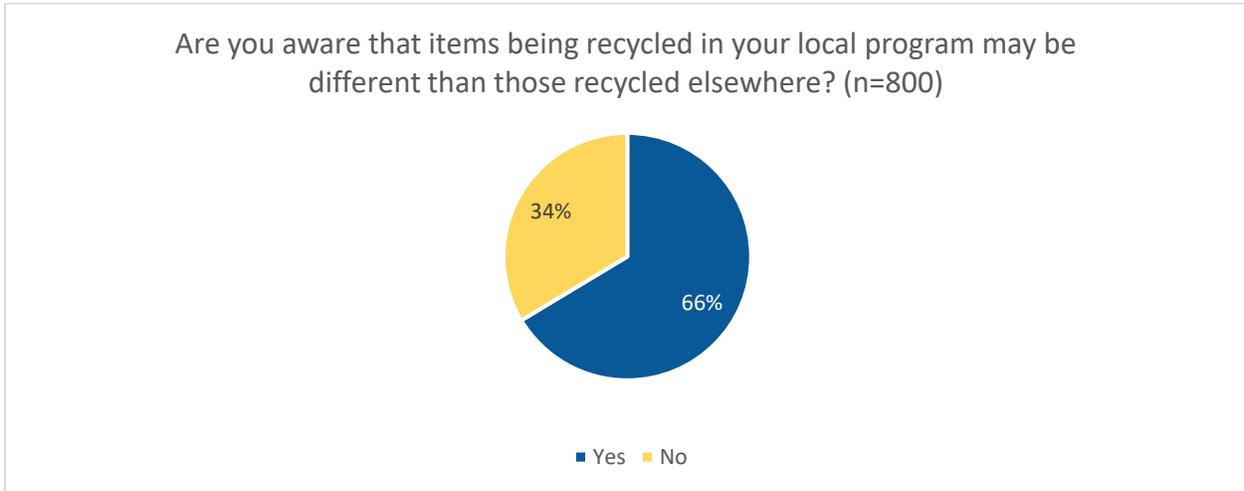
Description: The pie chart above shows the percentage of residents who believe burning waste to generate electricity is a form of recycling. The percentage value for each category is as follows:

Yes: 46 percent

No: 27 percent

I don't know: 27 percent

Two-thirds of respondents (66%) are aware that recyclables vary across different recycling programs. This is important for residents that relocate into Pinellas County to keep in mind as other recycling programs might accept different materials. Tampa Bay Recycles (*Tampa Bay Recycles, 2017*) reminds you that all residential recycling programs throughout Hillsborough and Pinellas counties now recycle the same items, which helps prevent confusion across the region.



Description: The pie chart above shows the percentage of residents that are aware items that can be recycled in local programs may be different from those recycled elsewhere. The percentage value for each category is as follows:

Yes: 66 percent

No: 34 percent

Did You Know?

The final series of questions on the 2020 Residential Recycling Awareness Survey pertained to whether residents were aware of certain facts about recycling and DSW’s recycling programs.

Awareness levels never exceeded 80% for any fact in the “did you know” section, and the highest response rate, for what residents knew the most about, was that plastic bags do not go in the recycling bin (78%). This represents a victory for the larger movement to not create “tanglers.”

There were seven in ten that know rechargeable batteries never belong in the trash (70%), and half the respondents (50%) know that Waste-to-Energy is not recycling, but green energy conversion. Less than one in five know about the “A to Z Guide” (18%) or that Pinellas County Solid Waste has completed a 30-year master plan for the landfill (16%). Low numbers for these DSW-specific questions suggest that the community values recycling in the abstract but does not have familiarity with the recycling operations of their local government.

Did you know....?	
Fact	“Yes”
Plastic bags should not be put in recycling bins	78%
Rechargeable batteries should never be placed in the trash or recycling container	70%
Waste-to-Energy is green energy conversion and not recycling	50%
Pinellas County has an online tool called “A to Z Guide for Recycling and Disposal”	18%
Pinellas County Solid Waste has completed a 30-year Master Plan	16%

Recommendations and Conclusion

Opportunities persist for Pinellas County DSW to broaden its engagement with the community through increased and enhanced outreach. The County boasts a population that is eager to recycle. Large majorities of Pinellas County support the act of recycling and claim to recycle when asked. Those living within apartment complexes without recycling services are eager for their complex to adopt them.

Despite these promising features, Pinellas County has the chance to articulate its role in achieving the Zero Waste to Landfill goal and further engage with the community. Although Pinellas County residents are passionate about recycling, fewer than 20% of residents claim to know the A to Z Guide when asked. This is despite the positive trends in resident awareness on **national** recycling issues, such as those surrounding plastic bags, reusable batteries, and other subjects.

In light of these facts, HCP recommends a countywide outreach campaign to enhance Pinellas County DSW's presence in order to reach more county residents and to open the conversation about proper recycling to a much larger and broader audience. These communications strategies would consist of a countywide campaign branded so that a greater share of the entire community would engage and become aware of Pinellas County DSW's aim to achieve desired recycling outcomes, extending the WTE facility's capacity and the landfill's lifespan. Such a campaign would utilize a communications toolkit comprising earned media through the local news and other channels, digital and print advertisements, social media advertising and organizing, and other forms of outreach. However, we recommend a specific emphasis on three topics: increasing community engagement with recycling, encouraging multifamily housing to offer recycling services to their residents, and articulating the state of the landfill and potential policy actions to meet the zero waste to landfill goal.

Increase Community Engagement

Communication is an essential component of changing large-scale behavior. In the United States Government Accountability Office's "Additional Efforts Could Increase Municipal Recycling," educational outreach was identified as the only non-capital-intensive way to boost recycling. (United States Government Accountability Office, 2006). Likewise, in the EPA's municipal toolkit, increasing communications to the community is the foremost recommendation to boost recycling engagement. (United States Environmental Protection Agency, 2016). To meet the ambitious but critical goal of zero waste to the landfill, DSW should consider boosting its digital media and communications presence to encourage residents to recycle.

One way to increase the digital and traditional media outreach mentioned above is by creating a specialized account on social media that incorporates content from DSW and other Pinellas County departments that share similar information. This recommendation has been broadened from that of 2018, which advocated that Pinellas County DSW create their own social media page. To guarantee more content and to have a consistent theme, the 2020 recommendation suggests an enhanced version of the 2018 recommendation. The social media page could be titled "Pinellas County Cares" or "Green Pinellas" (to correspond to the branding used on www.pinellascounty.org/greenpinellas/) and would serve as a cross-departmental social media channel that advocates for environmental issues throughout the County. In this way, content and messaging from not only DSW but also other departments such as the Parks & Resource Conservation Department could be combined to promote the full spectrum of ways in which the

County pushes useful information for residents that have interest in topics regarding the environment and recycling or that would like more information on those topics.

In addition to having a specialized page, there can be new specific campaigns to clear up some confusion with additional, specific items. According to an article published by National Geographic, disposable coffee cups cannot typically be recycled (Sedaghat, 2018). The outside of the cup is made of paper, and the inside is plastic; due to there being two different recyclable materials, they cannot be recycled unless a special machine can separate the two materials. While this is only one item, if a campaign were created to spread awareness on this, the County could eliminate one item entirely from being recycled incorrectly. DSW could even partner with coffee shops local to Pinellas County to help spread the word.

Another item that has longstanding confusion with recycling is plastic. There are numbers identifying whether the plastic is able to be recycled or not; however, there are seven different types of plastic, but only numbers one and two can actually be recycled. The widespread confusion occurs because each of the seven numbers have the recycling symbol around it. In the survey, a noteworthy number of respondents indicated they look for the “symbol” on items to know if they can recycle or not, which means they could be recycling any of the five other types of plastic that cannot be recycled. Since plastic identification started, the recycling symbol has been used, which has posed a huge challenge for the entire industry. Creating a campaign advocating the recycling of plastic numbers one and two would be extremely beneficial. There are many guides such as one called “Smart Plastics Guide” (Sea Studios Foundation, n.d.) that explain the differences of each type of plastic, and this could also be leveraged to help educate residents on the other types of plastic.

Multifamily Housing and Legislation

The data collected in this research suggests that more communication is the most effective way of improving recycling practices and increasing the share of the population that recycles. However, there is a persistent figure of one in ten residents that do not engage with recycling. Additionally, although there has been an improvement in multifamily dwellings providing recycling, even today, more than one in three residents living in a multifamily dwelling claim not to have access to recycling where they live. Nearly all of those residents said that they would recycle if their complex offered it; this suggests that this is the most substantial single barrier to recycling access facing Pinellas County residents. Among recyclers, another one in ten will attempt to recycle items despite not knowing whether they are recyclable in Pinellas County. This suggests that even in the presence of a sustained and increased Pinellas County messaging, there will continue to be issues with non-compliance – whether on the part of individual households or on the part of multifamily residences and property managers. In the Master Plan, the exploration of a mandatory recycling ordinance is considered in the long-term. Additionally, the mandatory recycling ordinance would emphasize business activity, which generates more than half of the waste in Pinellas County.

This research suggests that another step in the mandatory recycling ordinance should target multifamily apartment complexes. This could initially coincide with mandating businesses while leaving single-family dwellings unaffected. This would mirror the legislation passed in Austin, Texas (Waste 360, 2015), requiring nearly all multifamily and commercial properties to make recycling more convenient for both residents and employees. Similarly, after the city of Phoenix, Arizona conducted a waste analysis and decided to become a zero-waste, circular economy, they opted to incubate local businesses and industries that could help divert waste from landfills and to encourage the local retail industry to provide products

that can be completely recycled or repurposed (National League of Cities, 2017). An essential component of this goal is communicating the status of the landfill more assertively to both Pinellas County policymakers as well as to the public. Communicating the status of DSW's mandates will help to create the conversation necessary to reevaluate waste managerial and recycling policies throughout Pinellas County.

Overall, the 2020 Residential Recycling Survey results on recycling participation suggest a stasis or slight decline in citizen engagement throughout Pinellas County. Pinellas DSW should be heartened by the fact that common challenges, such as awareness of plastic bags becoming "tangles," enjoy increased awareness across the County. In general, residents view recycling as a public good and a worthwhile goal for their community. However, low levels of awareness regarding DSW material – such as the A to Z guide – make a case for increased community engagement by the Department. Expanding these efforts provides the best chance at increasing recycling engagement throughout Pinellas County.

[A Final Comment on Methodology](#)

The change from online to telephonic survey methodology should be considered a victory for an improved data collection method **without** condemning the 2018 survey results. As explained in the Methodology section, the intention of switching to a telephonic interview process was to remove the unseen variable of engagement with Pinellas County. When comparing the 2018 and 2020 results, we should take pride in that that was achieved. For general questions, such as whether respondents are aware of recycling options or whether they recycle, no large variations were reported. In contrast, questions pertaining to the specific effectiveness of Pinellas County outreach and messaging, such as the awareness of A to Z Guide, saw larger shifts. These reflect an increased accuracy of the 2020 methodology in measuring the average Pinellas County resident.

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Appendix A: Survey Instrument

2020 Residential Recycling Awareness Survey

Pinellas County wants to know about your awareness and habits regarding recycling and trash disposal.

Introduction

1. Are you a full-time or seasonal resident of _____ (Direction: pull city field from call list)?
 - a. Full-time
 - b. Seasonal
 - c. I don't live there **[terminate]**

2. How long have you lived in Pinellas County?
 - a. Less than 1 year
 - b. 1 – 2 years
 - c. 3 – 5 years
 - d. 6 – 10 years
 - e. 11 – 20 years
 - f. 21 years or longer

3. Do you live within a city's boundaries or in unincorporated Pinellas County?
 - a. City
 - b. Unincorporated
 - c. I don't know

4. What kind of dwelling do you live in?
 - a. Single-family home **[go to "Single Family Home/Duplex/Triplex/Quadplex Residents" section]**
 - b. Duplex/Triplex/Quadplex **[go to "Single Family Home/Duplex/Triplex/Quadplex Residents" section]**
 - c. Apartment (rental) **[skip to "Multifamily Residents" section]**
 - d. Manufactured/Mobile home **[skip to "Multifamily Residents" section]**
 - e. Condominium/Villa/Townhouse **[skip to "Multifamily Residents" section]**
 - f. Other **(DO NOT READ: record what respondent says for "other") [skip to "Multifamily Residents" section]**

Single Family Home/Duplex/Triplex/Quadplex Residents

5. Did you know that your garbage collector offers curbside recycling services?
 - a. Yes
 - b. No

6. Do you participate by recycling items curbside?
 - a. Yes **[skip to Q8]**
 - b. No **[go to Q7]**

7. Why don't you participate? **[skip to "Recycling Practices" section once answered]**

8. Why do you choose to recycle?

9. Do you recycle the following items curbside?

Item	Example	Yes or No?
9a. Metal cans	Aluminum soda cans or soup/food cans	
9b. Cardboard	Flattened box	
9c. Cartons	Milk carton or drink box	
9d. Glass bottles and jars	Beverage or food jars	
9e. Paper	Mail, office, newspaper, empty cereal box	
9f. Plastic bottle and jugs	From the kitchen, laundry or bathrooms	
9g. Other items routinely recycled (DO NOT READ: record what respondent says for "other")		

10. When your household is unsure whether an item is recyclable, what do you do?

- a. Place item in the trash
- b. Place the item in the recycling bin
- c. Consult Pinellas County's A to Z Guide for Recycling and Disposal
- d. Contact my County, city, or garbage collector
- e. Other **(DO NOT READ: record what respondent says for "other")**

****Once completed with Q10 skip to "Recycling Practices" section****

Multifamily Residents

11. Does your complex offer recycling?

- a. Yes **[skip to Q13]**
- b. No **[go to Q12]**

12. Would you recycle if the service was made available by your residence?

- a. Yes **[skip to "Recycling Practices" section]**
- b. No **[skip to "Recycling Practices" section]**

13. Do you participate by recycling at your complex?

- a. Yes **[skip to Q15]**
- b. No **[go to Q14]**

14. Why not? [skip to “Recycling Practices” section once answered]

15. Why do you choose to recycle?

16. Do you recycle the following items at your complex?

Item	Example	Yes or No?
16a. Metal cans	Aluminum soda cans or soup/food cans	
16b. Cardboard	Flattened box	
16c. Cartons	Milk carton or drink box	
16d. Glass bottles and jars	Beverage or food jars	
16e. Paper	Mail, office, newspaper, empty cereal box	
16f. Plastic bottle and jugs	From the kitchen, laundry or bathrooms	
16g. Other items routinely recycled (DO NOT READ: record what respondent says for “other”)		

17. When your household is unsure whether an item is recyclable, what do you do?

- a. Place item in the trash
- b. Place the item in the recycling bin
- c. Consult Pinellas County’s A to Z Guide for Recycling and Disposal
- d. Contact my County, city, or recycling collector
- e. Contact my property manager or HOA
- f. Other (**DO NOT READ: record what respondent says for “other”**)

Recycling Practices

18. Do you, or members of the household, take recyclables to a drop-off collection center?

- a. Yes [skip to Q20]
- b. No [go to question 19]
- c. I don’t know/NA [skip to Q20]

19. Why not?

20. Who is (are) the most frequent recycler(s) in your household?
- Adult female(s)
 - Adult male(s)
 - Child(ren)
 - Everyone recycles
 - No one recycles
21. How does your household typically dispose of plastic grocery bags?
- Put them in the trash can
 - Put them in the recycling bin
 - Reuse them for other purposes and then place in trash can
 - Return them to the grocery store
 - Other (**DO NOT READ: record what respondent says for "other"**)
22. What are the best sources you have used to find information about recycling?
-
23. Do you consider burning waste to generate electricity to be a form of recycling?
- Yes
 - No
 - Unsure
24. Are you aware that items being recycled in your local program may be different than those recycled elsewhere?
- Yes
 - No
25. What do you currently do with your rechargeable batteries? These include any items in which the batteries must be recharged and can be found in items such as laptops, cell phones, wireless headphones, tools, etc.
-

Demographics

26. What is the highest level of schooling you have completed?
- Some high school or less
 - High school graduate or equivalent
 - Technical/vocational training
 - Some college
 - College degree
 - Post-graduate studies or higher

27. What is your household income?
- a. Under \$25,000
 - b. \$25,000 - \$49,999
 - c. \$50,000 - \$74,999
 - d. \$75,000 - \$99,999
 - e. \$100,000+
28. What is your current employment status?
- a. Full-time
 - b. Part-time
 - c. Retired
 - d. Unemployed
 - e. Voluntarily out of the workforce
 - f. Other (**DO NOT READ: record what respondent says for "other"**)
29. Are there children age 18 and under in your home?
- a. Yes
 - b. No

Final Thoughts on Recycling

30. What information about recycling would you seek when visiting the Solid Waste website?

31. What more do you want to know about recycling?

The final section will be yes/no "did you know" questions

32. Did you know plastic bags should not be put in recycling bins? Clean plastic bags should be taken to a store drop-off; used plastic bags should be placed in the trash.
- a. Yes
 - b. No
33. Did you know Pinellas County Solid Waste has completed a 30-year Master Plan with a goal to eliminate trash placed in the landfill and their Master Plan can be found on Pinellas County Solid Waste's website?
- c. Yes
 - d. No
34. Did you know rechargeable batteries should never be placed in the trash or recycling container? Rechargeable batteries should be taken to Pinellas County's Household Electronics & Chemical Collection Center, its mobile collection events, or retail stores with battery take-back programs.
- e. Yes
 - f. No

35. Did you know Waste-to-Energy is considered green energy conversion and not recycling?
- g. Yes
 - h. No
36. Did you know Pinellas County has an online tool called "A to Z Guide for Recycling and Disposal" which allows you to search for over 450 items and help you determine how and where to properly recycle or dispose of the searched item? **(DO NOT READ: if someone asks what to do about single use/non-rechargeable/alkaline batteries, tell them they can place it in the trash)**
- i. Yes
 - j. No

Appendix B: Trending Questions

The table below features the questions asked in 2020 and indicates whether the question was asked in the previous two iterations.

2020 Survey Instrument	2016	2018	2020
Are you a full-time or seasonal resident of _____ (Direction: pull city field from call list)?			X
How long have you lived in Pinellas County?	X	X	X
Do you live within a city's boundaries or in unincorporated Pinellas County?	X	X	X
What kind of dwelling do you live in?	X	X	X
Single-Family			
Did you know that your garbage collector offers curbside recycling services?		X	X
Do you participate by recycling items curbside?	X	X	X
Why don't you participate?		X	X
Why do you choose to recycle?		X	X
Do you recycle the following items curbside? a. Metal cans b. Cardboard c. Cartons d. Glass bottles and jars e. Paper f. Plastic bottles and jugs g. Other items routinely recycled		X	X
When your household is unsure whether an item is recyclable, what do you do?		X	X
Multifamily			
Does your complex offer recycling?	X	X	X
Would you recycle if the service was made available by your residence?		X	X
Do you participate by recycling at your complex?		X	X
Why not?		X	X
Why do you choose to recycle?		X	X
Do you recycle the following items at your complex? a. Metal cans b. Cardboard c. Cartons d. Glass bottles and jars e. Paper f. Plastic bottles and jugs g. Other items routinely recycled		X	X
When your household is unsure whether an item is recyclable, what do you do?		X	X

Recycling Practices			
	2016	2018	2020
Do you, or members of the household, take recyclables to a drop-off collection center?	X	X	X
Why not?		X	X
Who is (are) the most frequent recycler(s) in your household?		X	X
How does your household typically dispose of plastic grocery bags?		X	X
What are the best sources you have used to find information about recycling?		X	X
Do you consider burning waste to generate electricity to be a form of recycling?			X
Are you aware that items being recycled in your local program may be different than those recycled elsewhere?			X
What do you currently do with your rechargeable batteries? These include any items in which the batteries must be recharged and can be found in items such as laptops, cell phones, wireless headphones, tools, etc.			X
Demographics			
What is the highest level of schooling you have completed?	X	X	X
What is your age category?	X	X	X
What racial or ethnic group describes you best?		X	X
What is your household income?		X	X
What is your current employment status?	X	X	X
Are there children age 18 and under in your home?		X	X
What is your gender?	X	X	X
Final Thoughts on Recycling			
What information about recycling would you seek when visiting the Solid Waste website?		X	X
What more do you want to know about recycling?			X
Did You Know			
Did you know plastic bags should not be put in recycling bins? Clean plastic bags should be taken to a store drop-off; used plastic bags should be placed in the trash.			X
Did you know Pinellas County Solid Waste has completed a 30-year Master Plan with a goal to eliminate trash placed in the landfill and their Master Plan can be found on Pinellas County Solid Waste’s website?			X
Did you know rechargeable batteries should never be placed in the trash or recycling container? Rechargeable batteries should be taken to Pinellas County’s Household Electronics & Chemical Collection Center, its mobile collection events, or retail stores with battery take-back programs.			X

	2016	2018	2020
Did you know Waste-to-Energy is considered green energy conversion and not recycling?			X
Did you know Pinellas County has an online tool called "A to Z Guide for Recycling and Disposal" which allows you to search for over 450 items and help you determine how and where to properly recycle or dispose of the searched item?			X

Appendix C: Responses by Demographics

The following section details the crosstabulation of response data by demographic and geographic factors. Largely, demographic and geographic differences played little role in the responses to questions. There is a general trend towards more educated and affluent respondents participating in recycling more. However, this is a universal trend and did not materially affect recommendations or analysis in this report.

Are you a full-time or seasonal resident of <ask city from phone record>?				
			Full time	Seasonal
Total		800	99%	1%
Geography	North	162	99%	1%
	Mid	103	98%	2%
	South	123	98%	2%
	Clearwater	154	99%	1%
	St. Petersburg	258	100%	0%
Age Group	Under 35	180	99%	1%
	35-64	394	99%	1%
	65 & older	226	98%	2%
Education	High school or less	182	97%	3%
	Technical/some college	220	100%	0%
	College degree+	398	99%	1%
Race/Ethnicity	White/Caucasian	597	99%	1%
	Non-White	203	99%	1%
Household Income	Under \$55,000	194	99%	1%
	\$50,000 to \$99,999	292	100%	0%
	\$100,000 or more	162	99%	1%
	NA/Refused	152	97%	3%
Length in County	Less than 5 years	144	99%	1%
	6 to 20 years	262	99%	1%
	21 years or longer	394	99%	1%
Gender	Male	384	99%	1%

	Female	416	99%	1%
Employment Status	Full-time	421	100%	0%
	Retired	255	98%	2%
	Other	124	98%	2%
Housing type	Single Family	501	99%	1%
	Multifamily	299	98%	2%

How long have you lived in Pinellas County?								
			Less than a year	1-2 years	3-5 years	6-10 years	11-20 years	21 years or longer
Total		800	3%	3%	12%	16%	17%	49%
Geography	North	162	2%	5%	14%	17%	15%	46%
	Mid	103	4%	4%	11%	13%	22%	47%
	South	123	2%	4%	12%	21%	14%	46%
	Clearwater	154	3%	1%	14%	16%	18%	48%
	St. Petersburg	258	2%	3%	10%	13%	17%	54%
Age Group	Under 35	180	4%	5%	14%	15%	13%	48%
	35-64	394	3%	3%	14%	19%	20%	43%
	65 & older	226	1%	4%	7%	11%	15%	62%
Education	High school or less	182	2%	4%	11%	14%	13%	56%
	Technical/some college	220	3%	2%	12%	17%	25%	41%
	College degree+	398	3%	4%	12%	16%	15%	51%
Race/Ethnicity	White/Caucasian	597	3%	4%	12%	16%	17%	50%
	Non-White	203	2%	2%	13%	15%	19%	48%
Household Income	Under \$55,000	194	1%	3%	11%	16%	18%	51%
	\$50,000 to \$99,999	292	4%	2%	12%	18%	21%	43%
	\$100,000 or more	162	2%	7%	12%	15%	15%	48%
	NA/Refused	152	3%	2%	13%	10%	12%	61%
Length in County	Less than 5 years	144	15%	19%	67%	0%	0%	0%
	6 to 20 years	262	0%	0%	0%	48%	52%	0%
	21 years or longer	394	0%	0%	0%	0%	0%	100%
Gender	Male	384	4%	2%	14%	15%	16%	49%
	Female	416	2%	5%	10%	16%	18%	50%
Employment Status	Full-time	421	3%	4%	14%	19%	18%	43%
	Retired	255	2%	2%	7%	12%	17%	60%
	Other	124	5%	4%	14%	12%	15%	51%
Housing type	Single Family	501	2%	3%	9%	15%	18%	53%
	Multifamily	299	4%	4%	17%	17%	16%	42%

Do you live within a city's boundaries or in unincorporated Pinellas County?					
			City	Unincorporated	I don't know
Total		800	85%	11%	4%
Geography	North	162	78%	19%	3%
	Mid	103	82%	12%	7%
	South	123	82%	13%	5%
	Clearwater	154	89%	9%	2%
	St. Petersburg	258	90%	7%	3%
Age Group	Under 35	180	91%	6%	3%
	35-64	394	84%	11%	5%
	65 & older	226	83%	15%	2%
Education	High school or less	182	87%	9%	4%
	Technical/some college	220	86%	10%	3%
	College degree+	398	84%	13%	4%
Race/Ethnicity	White/Caucasian	597	85%	12%	3%
	Non-White	203	87%	9%	4%
Household Income	Under \$55,000	194	85%	11%	5%
	\$50,000 to \$99,999	292	88%	10%	2%
	\$100,000 or more	162	83%	13%	4%
	NA/Refused	152	84%	13%	4%
Length in County	Less than 5 years	144	87%	8%	5%
	6 to 20 years	262	84%	12%	5%
	21 years or longer	394	86%	12%	2%
Gender	Male	384	84%	13%	3%
	Female	416	86%	10%	4%
Employment Status	Full-time	421	85%	12%	3%
	Retired	255	84%	13%	3%
	Other	124	88%	6%	6%
Housing type	Single Family	501	84%	14%	3%
	Multifamily	299	88%	7%	5%

What kind of dwelling do you live in?								
			Single family home	Duplex/triplex/quadplex	Apartment (Rental)	Manufactured/mobile home	Condominium/Villa/Townhouse	Other
Total		800	60%	2%	15%	5%	18%	0%
Geography	North	162	73%	1%	7%	3%	15%	1%
	Mid	103	58%	2%	13%	4%	23%	0%
	South	123	54%	1%	11%	6%	29%	0%
	Clearwater	154	54%	3%	21%	3%	19%	0%
	St. Petersburg	258	60%	3%	19%	7%	11%	0%
Age Group	Under 35	180	57%	3%	20%	4%	16%	0%
	35-64	394	64%	3%	14%	5%	14%	0%
	65 & older	226	56%	1%	12%	4%	27%	0%
Education	High school or less	182	60%	3%	18%	6%	14%	0%
	Technical/some college	220	55%	5%	17%	9%	13%	0%
	College degree+	398	63%	1%	12%	2%	22%	0%
Race/Ethnicity	White/Caucasian	597	61%	2%	13%	5%	19%	0%
	Non-White	203	58%	3%	20%	4%	14%	0%
Household Income	Under \$55,000	194	49%	6%	20%	9%	16%	1%
	\$50,000 to \$99,999	292	64%	1%	15%	5%	15%	0%
	\$100,000 or more	162	59%	2%	10%	1%	28%	0%
	NA/Refused	152	69%	1%	13%	3%	15%	0%
Length in County	Less than 5 years	144	46%	3%	20%	10%	22%	0%
	6 to 20 years	262	61%	2%	15%	5%	18%	0%
	21 years or longer	394	65%	3%	13%	3%	16%	0%
Gender	Male	384	59%	3%	14%	6%	19%	0%

	Female	416	62%	2%	16%	4%	17%	0%
Employment Status	Full-time	421	62%	3%	15%	6%	14%	0%
	Retired	255	58%	1%	11%	3%	26%	0%
	Other	124	59%	3%	21%	6%	11%	0%
Housing type	Single Family	501	96%	4%	0%	0%	0%	0%
	Multifamily	299	0%	0%	39%	13%	47%	0%

Single Family: Did you know that your garbage collector offers curbside recycling services?				
			Yes	No
Total		501	90%	10%
Geography	North	121	93%	7%
	Mid	62	87%	13%
	South	67	84%	16%
	Clearwater	88	92%	8%
	St. Petersburg	163	91%	9%
Age Group	Under 35	109	88%	12%
	35-64	263	92%	8%
	65 & older	129	88%	12%
Education	High school or less	114	82%	18%
	Technical/some college	133	91%	9%
	College degree+	254	93%	7%
Race/Ethnicity	White/Caucasian	377	91%	9%
	Non-White	124	88%	12%
Household Income	Under \$55,000	106	80%	20%
	\$50,000 to \$99,999	190	93%	7%
	\$100,000 or more	99	93%	7%
	NA/Refused	106	92%	8%
Length in County	Less than 5 years	70	96%	4%
	6 to 20 years	164	90%	10%
	21 years or longer	267	89%	11%
Gender	Male	238	91%	9%
	Female	263	90%	10%
Employment Status	Full-time	273	91%	9%
	Retired	151	89%	11%
	Other	77	90%	10%
Housing type	Single Family	501	90%	10%

Single Family: Do you participate by recycling items curbside?				
			Yes	No
Total		501	86%	14%
Geography	North	121	90%	10%
	Mid	62	84%	16%
	South	67	73%	27%
	Clearwater	88	89%	11%
	St. Petersburg	163	89%	11%
Age Group	Under 35	109	84%	16%
	35-64	263	88%	12%
	65 & older	129	84%	16%
Education	High school or less	114	78%	22%
	Technical/some college	133	87%	13%
	College degree+	254	90%	10%
Race/Ethnicity	White/Caucasian	377	88%	12%
	Non-White	124	83%	17%
Household Income	Under \$55,000	106	78%	22%
	\$50,000 to \$99,999	190	88%	12%
	\$100,000 or more	99	89%	11%
	NA/Refused	106	90%	10%
Length in County	Less than 5 years	70	91%	9%
	6 to 20 years	164	89%	11%
	21 years or longer	267	84%	16%
Gender	Male	238	87%	13%
	Female	263	86%	14%
Employment Status	Full-time	273	87%	13%
	Retired	151	85%	15%
	Other	77	87%	13%
Housing type	Single Family	501	86%	14%

Single Family: Do you recycle the following items curbside? Metal cans				
			Yes	No
Total		433	95%	5%
Geography	North	109	95%	5%
	Mid	52	92%	8%
	South	49	94%	6%
	Clearwater	78	100%	0%
	St. Petersburg	145	92%	8%
Age Group	Under 35	92	96%	4%
	35-64	232	94%	6%
	65 & older	109	96%	4%
Education	High school or less	89	93%	7%
	Technical/some college	116	93%	7%
	College degree+	228	96%	4%
Race/Ethnicity	White/Caucasian	330	96%	4%
	Non-White	103	91%	9%
Household Income	Under \$55,000	83	89%	11%
	\$50,000 to \$99,999	167	97%	3%
	\$100,000 or more	88	97%	3%
	NA/Refused	95	94%	6%
Length in County	Less than 5 years	64	94%	6%
	6 to 20 years	146	93%	7%
	21 years or longer	223	96%	4%
Gender	Male	207	94%	6%
	Female	226	96%	4%
Employment Status	Full-time	238	95%	5%
	Retired	128	95%	5%
	Other	67	93%	7%
Housing type	Single Family	433	95%	5%

Single Family: Do you recycle the following items curbside? Cardboard				
			Yes	No
Total		433	97%	3%
Geography	North	109	96%	4%
	Mid	52	98%	2%
	South	49	94%	6%
	Clearwater	78	99%	1%
	St. Petersburg	145	96%	4%
Age Group	Under 35	92	99%	1%
	35-64	232	96%	4%
	65 & older	109	96%	4%
Education	High school or less	89	93%	7%
	Technical/some college	116	96%	4%
	College degree+	228	98%	2%
Race/Ethnicity	White/Caucasian	330	97%	3%
	Non-White	103	95%	5%
Household Income	Under \$55,000	83	92%	8%
	\$50,000 to \$99,999	167	98%	2%
	\$100,000 or more	88	99%	1%
	NA/Refused	95	97%	3%
Length in County	Less than 5 years	64	98%	2%
	6 to 20 years	146	97%	3%
	21 years or longer	223	96%	4%
Gender	Male	207	98%	2%
	Female	226	96%	4%
Employment Status	Full-time	238	98%	2%
	Retired	128	94%	6%
	Other	67	97%	3%
Housing type	Single Family	433	97%	3%

Single Family: Do you recycle the following items curbside? Cartons				
			Yes	No
Total		433	94%	6%
Geography	North	109	96%	4%
	Mid	52	87%	13%
	South	49	88%	12%
	Clearwater	78	99%	1%
	St. Petersburg	145	94%	6%
Age Group	Under 35	92	95%	5%
	35-64	232	92%	8%
	65 & older	109	97%	3%
Education	High school or less	89	93%	7%
	Technical/some college	116	94%	6%
	College degree+	228	94%	6%
Race/Ethnicity	White/Caucasian	330	93%	7%
	Non-White	103	96%	4%
Household Income	Under \$55,000	83	92%	8%
	\$50,000 to \$99,999	167	95%	5%
	\$100,000 or more	88	97%	3%
	NA/Refused	95	93%	7%
Length in County	Less than 5 years	64	89%	11%
	6 to 20 years	146	96%	4%
	21 years or longer	223	94%	6%
Gender	Male	207	92%	8%
	Female	226	96%	4%
Employment Status	Full-time	238	95%	5%
	Retired	128	95%	5%
	Other	67	91%	9%
Housing type	Single Family	433	94%	6%

Single Family: Do you recycle the following items curbside? Glass bottles and jars				
			Yes	No
Total		433	93%	7%
Geography	North	109	94%	6%
	Mid	52	92%	8%
	South	49	92%	8%
	Clearwater	78	92%	8%
	St. Petersburg	145	93%	7%
Age Group	Under 35	92	88%	12%
	35-64	232	93%	7%
	65 & older	109	96%	4%
Education	High school or less	89	89%	11%
	Technical/some college	116	95%	5%
	College degree+	228	93%	7%
Race/Ethnicity	White/Caucasian	330	93%	7%
	Non-White	103	91%	9%
Household Income	Under \$55,000	83	90%	10%
	\$50,000 to \$99,999	167	96%	4%
	\$100,000 or more	88	94%	6%
	NA/Refused	95	88%	12%
Length in County	Less than 5 years	64	91%	9%
	6 to 20 years	146	95%	5%
	21 years or longer	223	92%	8%
Gender	Male	207	94%	6%
	Female	226	92%	8%
Employment Status	Full-time	238	94%	6%
	Retired	128	94%	6%
	Other	67	88%	12%
Housing type	Single Family	433	93%	7%

Single Family: Do you recycle the following items curbside? Paper				
			Yes	No
Total		433	95%	5%
Geography	North	109	95%	5%
	Mid	52	92%	8%
	South	49	92%	8%
	Clearwater	78	99%	1%
	St. Petersburg	145	95%	5%
Age Group	Under 35	92	91%	9%
	35-64	232	95%	5%
	65 & older	109	98%	2%
Education	High school or less	89	93%	7%
	Technical/some college	116	97%	3%
	College degree+	228	95%	5%
Race/Ethnicity	White/Caucasian	330	95%	5%
	Non-White	103	95%	5%
Household Income	Under \$55,000	83	94%	6%
	\$50,000 to \$99,999	167	97%	3%
	\$100,000 or more	88	93%	7%
	NA/Refused	95	95%	5%
Length in County	Less than 5 years	64	98%	2%
	6 to 20 years	146	97%	3%
	21 years or longer	223	93%	7%
Gender	Male	207	95%	5%
	Female	226	96%	4%
Employment Status	Full-time	238	97%	3%
	Retired	128	97%	3%
	Other	67	87%	13%
Housing type	Single Family	433	95%	5%

Single Family: Do you recycle the following items curbside? Plastic bottle and jugs				
			Yes	No
Total		433	97%	3%
Geography	North	109	95%	5%
	Mid	52	100%	0%
	South	49	94%	6%
	Clearwater	78	100%	0%
	St. Petersburg	145	98%	2%
Age Group	Under 35	92	100%	0%
	35-64	232	96%	4%
	65 & older	109	99%	1%
Education	High school or less	89	97%	3%
	Technical/some college	116	98%	2%
	College degree+	228	97%	3%
Race/Ethnicity	White/Caucasian	330	98%	2%
	Non-White	103	97%	3%
Household Income	Under \$55,000	83	95%	5%
	\$50,000 to \$99,999	167	100%	0%
	\$100,000 or more	88	97%	3%
	NA/Refused	95	96%	4%
Length in County	Less than 5 years	64	98%	2%
	6 to 20 years	146	97%	3%
	21 years or longer	223	98%	2%
Gender	Male	207	97%	3%
	Female	226	98%	2%
Employment Status	Full-time	238	98%	2%
	Retired	128	97%	3%
	Other	67	96%	4%
Housing type	Single Family	433	97%	3%

Single Family: Do you recycle the following items curbside? Other items routinely recycled				
			None mentioned	Other
Total		433	99%	1%
Geography	North	109	100%	0%
	Mid	52	96%	4%
	South	49	98%	2%
	Clearwater	78	97%	3%
	St. Petersburg	145	100%	0%
Age Group	Under 35	92	99%	1%
	35-64	232	99%	1%
	65 & older	109	99%	1%
Education	High school or less	89	100%	0%
	Technical/some college	116	97%	3%
	College degree+	228	99%	1%
Race/Ethnicity	White/Caucasian	330	98%	2%
	Non-White	103	100%	0%
Household Income	Under \$55,000	83	100%	0%
	\$50,000 to \$99,999	167	99%	1%
	\$100,000 or more	88	98%	2%
	NA/Refused	95	99%	1%
Length in County	Less than 5 years	64	100%	0%
	6 to 20 years	146	99%	1%
	21 years or longer	223	99%	1%
Gender	Male	207	99%	1%
	Female	226	99%	1%
Employment Status	Full-time	238	99%	1%
	Retired	128	99%	1%
	Other	67	99%	1%
Housing type	Single Family	433	99%	1%

Single Family: When your household is unsure whether an item is recyclable, what do you do?							
			Place item in the trash	Place the item in the recycling bin	Consult Pinellas County's A to Z guide for recycling and disposal	Contact my county, city or garbage collector	Other
Total		433	61%	12%	5%	6%	15%
Geography	North	109	61%	17%	3%	5%	15%
	Mid	52	60%	12%	6%	6%	17%
	South	49	53%	12%	8%	2%	24%
	Clearwater	78	64%	8%	6%	12%	10%
	St. Petersburg	145	62%	12%	6%	7%	14%
Age Group	Under 35	92	59%	15%	4%	9%	13%
	35-64	232	60%	11%	8%	5%	16%
	65 & older	109	63%	14%	1%	7%	15%
Education	High school or less	89	72%	9%	9%	3%	7%
	Technical/some college	116	55%	16%	5%	7%	16%
	College degree+	228	59%	12%	4%	7%	18%
Race/Ethnicity	White/Caucasian	330	60%	10%	5%	7%	17%
	Non-White	103	62%	19%	6%	5%	8%
Household Income		83	66%	10%	5%	2%	17%
	Under \$55,000	167	59%	10%	6%	10%	16%
	\$50,000 to \$99,999	88	60%	16%	2%	6%	16%
	\$100,000 or more	95	60%	17%	7%	4%	12%
Length in County	NA/Refused	64	56%	17%	6%	5%	16%
	Less than 5 years	146	62%	10%	6%	8%	14%
	6 to 20 years	223	61%	13%	4%	6%	16%
Gender	21 years or longer	207	59%	14%	3%	5%	18%
	Male	226	62%	11%	7%	8%	12%
Employment Status	Female	238	62%	10%	6%	8%	14%
	Full-time	128	57%	20%	3%	5%	15%
	Retired	67	64%	6%	7%	4%	18%
Housing type	Other	433	61%	12%	5%	6%	15%
	Single Family						

Multifamily: Does your complex offer recycling?				
			Yes	No
Total		299	64%	36%
Geography	North	41	71%	29%
	Mid	41	68%	32%
	South	56	61%	39%
	Clearwater	66	70%	30%
	St. Petersburg	95	56%	44%
Age Group	Under 35	71	55%	45%
	35-64	131	65%	35%
	65 & older	97	68%	32%
Education	High school or less	68	51%	49%
	Technical/some college	87	63%	37%
	College degree+	144	69%	31%
Race/Ethnicity	White/Caucasian	220	67%	33%
	Non-White	79	53%	47%
Household Income	Under \$55,000	88	44%	56%
	\$50,000 to \$99,999	102	70%	30%
	\$100,000 or more	63	73%	27%
	NA/Refused	46	74%	26%
Length in County	Less than 5 years	74	64%	36%
	6 to 20 years	98	68%	32%
	21 years or longer	127	60%	40%
Gender	Male	146	67%	33%
	Female	153	60%	40%
Employment Status	Full-time	148	61%	39%
	Retired	104	74%	26%
	Other	47	49%	51%
Housing type	Multifamily	299	64%	36%

Multifamily: Would you recycle if the service was made available by your residence?				
			Yes	No
Total		109	88%	12%
Geography	North	12	100%	0%
	Mid	13	69%	31%
	South	22	82%	18%
	Clearwater	20	90%	10%
	St. Petersburg	42	93%	7%
Age Group	Under 35	32	81%	19%
	35-64	46	91%	9%
	65 & older	31	90%	10%
Education	High school or less	33	82%	18%
	Technical/some college	32	97%	3%
	College degree+	44	86%	14%
Race/Ethnicity	White/Caucasian	72	92%	8%
	Non-White	37	81%	19%
Household Income	Under \$55,000	49	86%	14%
	\$50,000 to \$99,999	31	94%	6%
	\$100,000 or more	17	94%	6%
	NA/Refused	12	75%	25%
Length in County	Less than 5 years	27	85%	15%
	6 to 20 years	31	87%	13%
	21 years or longer	51	90%	10%
Gender	Male	48	90%	10%
	Female	61	87%	13%
Employment Status	Full-time	58	95%	5%
	Retired	27	85%	15%
	Other	24	75%	25%
Housing type	Multifamily	109	88%	12%

Multifamily: Do you participate by recycling at your complex?				
			Yes	No
Total		190	92%	8%
Geography	North	29	97%	3%
	Mid	28	93%	7%
	South	34	94%	6%
	Clearwater	46	89%	11%
	St. Petersburg	53	91%	9%
Age Group	Under 35	39	90%	10%
	35-64	85	94%	6%
	65 & older	66	91%	9%
Education	High school or less	35	83%	17%
	Technical/some college	55	96%	4%
	College degree+	100	93%	7%
Race/Ethnicity	White/Caucasian	148	95%	5%
	Non-White	42	83%	17%
Household Income	Under \$55,000	39	90%	10%
	\$50,000 to \$99,999	71	93%	7%
	\$100,000 or more	46	98%	2%
	NA/Refused	34	85%	15%
Length in County	Less than 5 years	47	91%	9%
	6 to 20 years	67	94%	6%
	21 years or longer	76	91%	9%
Gender	Male	98	94%	6%
	Female	92	90%	10%
Employment Status	Full-time	90	96%	4%
	Retired	77	91%	9%
	Other	23	83%	17%
Housing type	Multifamily	190	92%	8%

Multifamily: Do you recycle the following items at you complex? Metal cans				
			Yes	No
Total		175	93%	7%
Geography	North	28	96%	4%
	Mid	26	100%	0%
	South	32	97%	3%
	Clearwater	41	90%	10%
	St. Petersburg	48	88%	13%
Age Group	Under 35	35	97%	3%
	35-64	80	93%	8%
	65 & older	60	92%	8%
Education	High school or less	29	100%	0%
	Technical/some college	53	96%	4%
	College degree+	93	89%	11%
Race/Ethnicity	White/Caucasian	140	94%	6%
	Non-White	35	91%	9%
Household Income	Under \$55,000	35	100%	0%
	\$50,000 to \$99,999	66	91%	9%
	\$100,000 or more	45	91%	9%
	NA/Refused	29	93%	7%
Length in County	Less than 5 years	43	88%	12%
	6 to 20 years	63	97%	3%
	21 years or longer	69	93%	7%
Gender	Male	92	93%	7%
	Female	83	93%	7%
Employment Status	Full-time	86	95%	5%
	Retired	70	93%	7%
	Other	19	84%	16%
Housing type	Multifamily	175	93%	7%

Multifamily: Do you recycle the following items at you complex? Cardboard				
			Yes	No
Total		175	95%	5%
Geography	North	28	100%	0%
	Mid	26	96%	4%
	South	32	97%	3%
	Clearwater	41	95%	5%
	St. Petersburg	48	90%	10%
Age Group	Under 35	35	97%	3%
	35-64	80	98%	3%
	65 & older	60	90%	10%
Education	High school or less	29	93%	7%
	Technical/some college	53	94%	6%
	College degree+	93	96%	4%
Race/Ethnicity	White/Caucasian	140	96%	4%
	Non-White	35	91%	9%
Household Income	Under \$55,000	35	97%	3%
	\$50,000 to \$99,999	66	95%	5%
	\$100,000 or more	45	96%	4%
	NA/Refused	29	90%	10%
Length in County	Less than 5 years	43	93%	7%
	6 to 20 years	63	98%	2%
	21 years or longer	69	93%	7%
Gender	Male	92	93%	7%
	Female	83	96%	4%
Employment Status	Full-time	86	98%	2%
	Retired	70	90%	10%
	Other	19	100%	0%
Housing type	Multifamily	175	95%	5%

Multifamily: Do you recycle the following items at you complex? Cartons				
			Yes	No
Total		175	91%	9%
Geography	North	28	100%	0%
	Mid	26	96%	4%
	South	32	97%	3%
	Clearwater	41	88%	12%
	St. Petersburg	48	83%	17%
Age Group	Under 35	35	94%	6%
	35-64	80	89%	11%
	65 & older	60	93%	7%
Education	High school or less	29	97%	3%
	Technical/some college	53	91%	9%
	College degree+	93	90%	10%
Race/Ethnicity	White/Caucasian	140	91%	9%
	Non-White	35	91%	9%
Household Income	Under \$55,000	35	97%	3%
	\$50,000 to \$99,999	66	91%	9%
	\$100,000 or more	45	87%	13%
	NA/Refused	29	93%	7%
Length in County	Less than 5 years	43	91%	9%
	6 to 20 years	63	95%	5%
	21 years or longer	69	88%	12%
Gender	Male	92	88%	12%
	Female	83	95%	5%
Employment Status	Full-time	86	93%	7%
	Retired	70	91%	9%
	Other	19	84%	16%
Housing type	Multifamily	175	91%	9%

Multifamily: Do you recycle the following items at you complex? Glass bottles and jars				
			Yes	No
Total		175	89%	11%
Geography	North	28	100%	0%
	Mid	26	100%	0%
	South	32	91%	9%
	Clearwater	41	83%	17%
	St. Petersburg	48	79%	21%
Age Group	Under 35	35	91%	9%
	35-64	80	88%	13%
	65 & older	60	88%	12%
Education	High school or less	29	86%	14%
	Technical/some college	53	94%	6%
	College degree+	93	86%	14%
Race/Ethnicity	White/Caucasian	140	89%	11%
	Non-White	35	89%	11%
Household Income	Under \$55,000	35	89%	11%
	\$50,000 to \$99,999	66	91%	9%
	\$100,000 or more	45	84%	16%
	NA/Refused	29	90%	10%
Length in County	Less than 5 years	43	95%	5%
	6 to 20 years	63	87%	13%
	21 years or longer	69	86%	14%
Gender	Male	92	89%	11%
	Female	83	88%	12%
Employment Status	Full-time	86	90%	10%
	Retired	70	87%	13%
	Other	19	89%	11%
Housing type	Multifamily	175	89%	11%

Multifamily: Do you recycle the following items at you complex? Paper				
			Yes	No
Total		175	95%	5%
Geography	North	28	96%	4%
	Mid	26	96%	4%
	South	32	94%	6%
	Clearwater	41	93%	7%
	St. Petersburg	48	96%	4%
Age Group	Under 35	35	94%	6%
	35-64	80	94%	6%
	65 & older	60	97%	3%
Education	High school or less	29	93%	7%
	Technical/some college	53	96%	4%
	College degree+	93	95%	5%
Race/Ethnicity	White/Caucasian	140	95%	5%
	Non-White	35	94%	6%
Household Income	Under \$55,000	35	94%	6%
	\$50,000 to \$99,999	66	97%	3%
	\$100,000 or more	45	91%	9%
	NA/Refused	29	97%	3%
Length in County	Less than 5 years	43	93%	7%
	6 to 20 years	63	97%	3%
	21 years or longer	69	94%	6%
Gender	Male	92	93%	7%
	Female	83	96%	4%
Employment Status	Full-time	86	97%	3%
	Retired	70	96%	4%
	Other	19	84%	16%
Housing type	Multifamily	175	95%	5%

Multifamily: Do you recycle the following items at you complex? Plastic bottle and jugs				
			Yes	No
Total		175	97%	3%
Geography	North	28	96%	4%
	Mid	26	100%	0%
	South	32	97%	3%
	Clearwater	41	98%	2%
	St. Petersburg	48	94%	6%
Age Group	Under 35	35	94%	6%
	35-64	80	100%	0%
	65 & older	60	93%	7%
Education	High school or less	29	97%	3%
	Technical/some college	53	100%	0%
	College degree+	93	95%	5%
Race/Ethnicity	White/Caucasian	140	96%	4%
	Non-White	35	97%	3%
Household Income	Under \$55,000	35	100%	0%
	\$50,000 to \$99,999	66	95%	5%
	\$100,000 or more	45	96%	4%
	NA/Refused	29	97%	3%
Length in County	Less than 5 years	43	100%	0%
	6 to 20 years	63	97%	3%
	21 years or longer	69	94%	6%
Gender	Male	92	95%	5%
	Female	83	99%	1%
Employment Status	Full-time	86	98%	2%
	Retired	70	94%	6%
	Other	19	100%	0%
Housing type	Multifamily	175	97%	3%

Multifamily: Do you recycle the following items at you complex? Other items routinely recycled			
			None mentioned
Total		175	100%
Geography	North	28	100%
	Mid	26	100%
	South	32	100%
	Clearwater	41	100%
	St. Petersburg	48	100%
Age Group	Under 35	35	100%
	35-64	80	100%
	65 & older	60	100%
Education	High school or less	29	100%
	Technical/some college	53	100%
	College degree+	93	100%
Race/Ethnicity	White/Caucasian	140	100%
	Non-White	35	100%
Household Income	Under \$55,000	35	100%
	\$50,000 to \$99,999	66	100%
	\$100,000 or more	45	100%
	NA/Refused	29	100%
Length in County	Less than 5 years	43	100%
	6 to 20 years	63	100%
	21 years or longer	69	100%
Gender	Male	92	100%
	Female	83	100%
Employment Status	Full-time	86	100%
	Retired	70	100%
	Other	19	100%
Housing type	Multifamily	175	100%

Multifamily: When your household is unsure whether an item is recyclable, what do you do?								
			Place item in the trash	Place the item in the recycling bin	Consult Pinellas County's A to Z guide for recycling and disposal	Contact my county, city or garbage collector	Contact my property manager or HOA	Other
Total		175	59%	10%	2%	5%	10%	14%
Geography	North	28	61%	11%	0%	14%	7%	7%
	Mid	26	42%	8%	4%	8%	23%	15%
	South	32	66%	9%	0%	0%	6%	19%
	Clearwater	41	61%	10%	2%	5%	7%	15%
	St. Petersburg	48	60%	10%	4%	2%	10%	13%
Age Group	Under 35	35	66%	6%	3%	6%	3%	17%
	35-64	80	60%	10%	3%	5%	15%	8%
	65 & older	60	53%	12%	2%	5%	8%	20%
Education	High school or less	29	66%	17%	0%	3%	0%	14%
	Technical/some college	53	60%	8%	4%	8%	15%	6%
	College degree+	93	56%	9%	2%	4%	11%	18%
Race/Ethnicity	White/Caucasian	140	58%	11%	2%	4%	9%	16%
	Non-White	35	63%	3%	3%	11%	17%	3%
Household Income	Under \$55,000	35	40%	26%	0%	6%	3%	26%
	\$50,000 to \$99,999	66	56%	6%	3%	6%	14%	15%
	\$100,000 or more	45	71%	4%	4%	4%	11%	4%
	NA/Refused	29	69%	7%	0%	3%	10%	10%
Length in County	Less than 5 years	43	51%	5%	7%	14%	2%	21%
	6 to 20 years	63	57%	11%	2%	3%	21%	6%
	21 years or longer	69	65%	12%	0%	1%	6%	16%
Gender	Male	92	63%	8%	2%	5%	9%	13%
	Female	83	54%	12%	2%	5%	12%	14%
Employment Status	Full-time	86	58%	6%	5%	7%	14%	10%
	Retired	70	54%	14%	0%	3%	9%	20%
	Other	19	79%	11%	0%	5%	0%	5%
Housing type	Multifamily	175	59%	10%	2%	5%	10%	14%

Do you, or members of the household, take recyclables to a drop-off collection center?					
			Yes	No	I don't know
Total		800	28%	71%	1%
Geography	North	162	28%	72%	1%
	Mid	103	31%	69%	0%
	South	123	27%	72%	1%
	Clearwater	154	28%	71%	1%
	St. Petersburg	258	28%	71%	2%
Age Group	Under 35	180	27%	73%	0%
	35-64	394	27%	72%	1%
	65 & older	226	31%	68%	2%
Education	High school or less	182	21%	77%	1%
	Technical/some college	220	30%	70%	1%
	College degree+	398	30%	69%	1%
Race/Ethnicity	White/Caucasian	597	28%	71%	1%
	Non-White	203	29%	71%	0%
Household Income	Under \$55,000	194	26%	73%	1%
	\$50,000 to \$99,999	292	30%	70%	1%
	\$100,000 or more	162	31%	68%	1%
	NA/Refused	152	23%	74%	3%
Length in County	Less than 5 years	144	27%	72%	1%
	6 to 20 years	262	26%	73%	1%
	21 years or longer	394	30%	70%	1%
Gender	Male	384	27%	72%	1%
	Female	416	29%	70%	1%
Employment Status	Full-time	421	30%	70%	0%
	Retired	255	27%	71%	2%
	Other	124	23%	76%	1%
Housing type	Single Family	501	27%	73%	0%
	Multifamily	299	30%	68%	2%

Who is (are) the most frequent recycler(s) in your household?						
			Adult female(s)	Adult male(s)	Everyone recycles	No one recycles
Total		800	31%	16%	40%	13%
Geography	North	162	31%	18%	45%	6%
	Mid	103	28%	24%	34%	14%
	South	123	37%	11%	31%	20%
	Clearwater	154	31%	14%	43%	13%
	St. Petersburg	258	30%	14%	43%	14%
Age Group	Under 35	180	27%	16%	42%	16%
	35-64	394	33%	15%	40%	11%
	65 & older	226	31%	15%	40%	14%
Education	High school or less	182	31%	13%	35%	21%
	Technical/some college	220	32%	13%	46%	9%
	College degree+	398	31%	18%	40%	12%
Race/Ethnicity	White/Caucasian	597	33%	15%	41%	11%
	Non-White	203	27%	16%	38%	19%
Household Income	Under \$55,000	194	32%	13%	31%	23%
	\$50,000 to \$99,999	292	30%	15%	46%	9%
	\$100,000 or more	162	30%	16%	46%	9%
	NA/Refused	152	34%	18%	35%	13%
Length in County	Less than 5 years	144	35%	13%	36%	16%
	6 to 20 years	262	31%	13%	46%	10%
	21 years or longer	394	30%	18%	38%	14%
Gender	Male	384	23%	23%	40%	13%
	Female	416	38%	9%	40%	13%
Employment Status	Full-time	421	26%	17%	45%	13%
	Retired	255	36%	16%	35%	12%
	Other	124	40%	10%	36%	15%
Housing type	Single Family	501	30%	16%	47%	7%
	Multifamily	299	33%	15%	29%	22%

How does your household typically dispose of plastic grocery bags?							
			Put them in the trash can	Put them in the recycling bin	Reuse them for other purposes and then place in trash can	Return them to the grocery store	Other
Total		800	15%	3%	57%	20%	5%
Geography	North	162	14%	2%	56%	27%	2%
	Mid	103	13%	6%	55%	17%	10%
	South	123	12%	2%	59%	20%	7%
	Clearwater	154	16%	1%	60%	19%	4%
	St. Petersburg	258	19%	4%	56%	17%	4%
Age Group	Under 35	180	15%	2%	64%	16%	3%
	35-64	394	13%	4%	58%	21%	4%
	65 & older	226	20%	3%	49%	21%	7%
Education	High school or less	182	19%	4%	61%	12%	4%
	Technical/some college	220	12%	1%	64%	20%	3%
	College degree+	398	16%	4%	52%	23%	6%
Race/Ethnicity	White/Caucasian	597	15%	3%	56%	20%	6%
	Non-White	203	16%	3%	61%	18%	2%
Household Income	Under \$55,000	194	21%	4%	59%	14%	3%
	\$50,000 to \$99,999	292	11%	3%	56%	24%	5%
	\$100,000 or more	162	16%	4%	53%	22%	5%
	NA/Refused	152	16%	3%	61%	15%	6%
Length in County	Less than 5 years	144	19%	3%	57%	14%	6%
	6 to 20 years	262	12%	3%	58%	21%	5%
	21 years or longer	394	16%	3%	56%	21%	4%
Gender	Male	384	15%	4%	58%	19%	5%
	Female	416	16%	3%	56%	21%	5%
Employment Status	Full-time	421	14%	3%	61%	20%	3%
	Retired	255	17%	2%	50%	22%	8%
	Other	124	18%	6%	58%	15%	3%
Housing type	Single Family	501	13%	3%	60%	19%	5%
	Multifamily	299	19%	3%	53%	21%	5%

Do you consider burning waste to generate electricity to be a form of recycling?					
			Yes	No	Unsure
Total		800	46%	27%	27%
Geography	North	162	44%	26%	30%
	Mid	103	36%	36%	28%
	South	123	46%	25%	29%
	Clearwater	154	51%	23%	25%
	St. Petersburg	258	49%	26%	25%
Age Group	Under 35	180	46%	28%	26%
	35-64	394	43%	29%	28%
	65 & older	226	52%	22%	26%
Education	High school or less	182	40%	28%	32%
	Technical/some college	220	51%	21%	28%
	College degree+	398	47%	29%	24%
Race/Ethnicity	White/Caucasian	597	48%	26%	27%
	Non-White	203	42%	30%	28%
Household Income	Under \$55,000	194	49%	26%	25%
	\$50,000 to \$99,999	292	49%	25%	26%
	\$100,000 or more	162	45%	34%	21%
	NA/Refused	152	39%	23%	38%
Length in County	Less than 5 years	144	45%	24%	31%
	6 to 20 years	262	51%	26%	23%
	21 years or longer	394	43%	28%	28%
Gender	Male	384	48%	27%	25%
	Female	416	44%	27%	29%
Employment Status	Full-time	421	47%	29%	24%
	Retired	255	49%	24%	27%
	Other	124	38%	26%	36%
Housing type	Single Family	501	47%	27%	27%
	Multifamily	299	45%	27%	28%

Are you aware that items being recycled in your local program may be different than those recycled elsewhere?				
			Yes	No
Total		800	66%	34%
Geography	North	162	72%	28%
	Mid	103	63%	37%
	South	123	67%	33%
	Clearwater	154	66%	34%
	St. Petersburg	258	64%	36%
Age Group	Under 35	180	66%	34%
	35-64	394	69%	31%
	65 & older	226	62%	38%
Education	High school or less	182	51%	49%
	Technical/some college	220	62%	38%
	College degree+	398	76%	24%
Race/Ethnicity	White/Caucasian	597	69%	31%
	Non-White	203	59%	41%
Household Income	Under \$55,000	194	54%	46%
	\$50,000 to \$99,999	292	70%	30%
	\$100,000 or more	162	78%	22%
	NA/Refused	152	63%	37%
Length in County	Less than 5 years	144	70%	30%
	6 to 20 years	262	70%	30%
	21 years or longer	394	63%	37%
Gender	Male	384	65%	35%
	Female	416	68%	32%
Employment Status	Full-time	421	71%	29%
	Retired	255	63%	37%
	Other	124	58%	42%
Housing type	Single Family	501	71%	29%
	Multifamily	299	59%	41%

Are there children age 18 and under in your home?				
			Yes	No
Total		800	29%	71%
Geography	North	162	28%	72%
	Mid	103	24%	76%
	South	123	22%	78%
	Clearwater	154	32%	68%
	St. Petersburg	258	32%	68%
Age Group	Under 35	180	32%	68%
	35-64	394	38%	62%
	65 & older	226	11%	89%
Education	High school or less	182	30%	70%
	Technical/some college	220	33%	67%
	College degree+	398	26%	74%
Race/Ethnicity	White/Caucasian	597	25%	75%
	Non-White	203	39%	61%
Household Income	Under \$55,000	194	23%	77%
	\$50,000 to \$99,999	292	36%	64%
	\$100,000 or more	162	31%	69%
	NA/Refused	152	20%	80%
Length in County	Less than 5 years	144	32%	68%
	6 to 20 years	262	33%	67%
	21 years or longer	394	25%	75%
Gender	Male	384	31%	69%
	Female	416	27%	73%
Employment Status	Full-time	421	42%	58%
	Retired	255	4%	96%
	Other	124	33%	67%
Housing type	Single Family	501	31%	69%
	Multifamily	299	25%	75%

Did you know plastic bags should not be put in the recycling bin?				
			Yes	No
Total		800	78%	22%
Geography	North	162	81%	19%
	Mid	103	76%	24%
	South	123	81%	19%
	Clearwater	154	83%	17%
	St. Petersburg	258	73%	27%
Age Group	Under 35	180	72%	28%
	35-64	394	83%	17%
	65 & older	226	75%	25%
Education	High school or less	182	70%	30%
	Technical/some college	220	77%	23%
	College degree+	398	83%	17%
Race/Ethnicity	White/Caucasian	597	81%	19%
	Non-White	203	71%	29%
Household Income	Under \$55,000	194	69%	31%
	\$50,000 to \$99,999	292	83%	17%
	\$100,000 or more	162	82%	18%
	NA/Refused	152	78%	22%
Length in County	Less than 5 years	144	75%	25%
	6 to 20 years	262	79%	21%
	21 years or longer	394	79%	21%
Gender	Male	384	78%	22%
	Female	416	79%	21%
Employment Status	Full-time	421	82%	18%
	Retired	255	78%	22%
	Other	124	65%	35%
Housing type	Single Family	501	80%	20%
	Multifamily	299	75%	25%

Did you know Pinellas County Solid Waste has completed a 30-year Master Plan with a goal to eliminate trash placed in the landfill and it can be found on their website?				
			Yes	No
Total		800	16%	84%
Geography	North	162	15%	85%
	Mid	103	17%	83%
	South	123	14%	86%
	Clearwater	154	22%	78%
	St. Petersburg	258	14%	86%
Age Group	Under 35	180	18%	82%
	35-64	394	18%	82%
	65 & older	226	12%	88%
Education	High school or less	182	14%	86%
	Technical/some college	220	17%	83%
	College degree+	398	17%	83%
Race/Ethnicity	White/Caucasian	597	16%	84%
	Non-White	203	18%	82%
Household Income	Under \$55,000	194	10%	90%
	\$50,000 to \$99,999	292	16%	84%
	\$100,000 or more	162	22%	78%
	NA/Refused	152	20%	80%
Length in County	Less than 5 years	144	14%	86%
	6 to 20 years	262	15%	85%
	21 years or longer	394	18%	82%
Gender	Male	384	17%	83%
	Female	416	16%	84%
Employment Status	Full-time	421	23%	77%
	Retired	255	10%	90%
	Other	124	8%	92%
Housing type	Single Family	501	18%	82%
	Multifamily	299	13%	87%

Did you know rechargeable batteries should never be placed in the trash or recycling container?				
			Yes	No
Total		800	70%	30%
Geography	North	162	72%	28%
	Mid	103	74%	26%
	South	123	66%	34%
	Clearwater	154	73%	27%
	St. Petersburg	258	68%	32%
Age Group	Under 35	180	68%	32%
	35-64	394	74%	26%
	65 & older	226	64%	36%
Education	High school or less	182	57%	43%
	Technical/some college	220	70%	30%
	College degree+	398	76%	24%
Race/Ethnicity	White/Caucasian	597	71%	29%
	Non-White	203	67%	33%
Household Income	Under \$55,000	194	64%	36%
	\$50,000 to \$99,999	292	74%	26%
	\$100,000 or more	162	78%	22%
	NA/Refused	152	61%	39%
Length in County	Less than 5 years	144	70%	30%
	6 to 20 years	262	70%	30%
	21 years or longer	394	70%	30%
Gender	Male	384	71%	29%
	Female	416	69%	31%
Employment Status	Full-time	421	76%	24%
	Retired	255	64%	36%
	Other	124	64%	36%
Housing type	Single Family	501	71%	29%
	Multifamily	299	69%	31%

Did you know Waste-to-Energy is considered green energy conversion and not recycling?				
			Yes	No
Total		800	50%	50%
Geography	North	162	52%	48%
	Mid	103	51%	49%
	South	123	47%	53%
	Clearwater	154	48%	52%
	St. Petersburg	258	51%	49%
Age Group	Under 35	180	51%	49%
	35-64	394	48%	52%
	65 & older	226	52%	48%
Education	High school or less	182	46%	54%
	Technical/some college	220	46%	54%
	College degree+	398	54%	46%
Race/Ethnicity	White/Caucasian	597	53%	47%
	Non-White	203	42%	58%
Household Income	Under \$55,000	194	52%	48%
	\$50,000 to \$99,999	292	47%	53%
	\$100,000 or more	162	55%	45%
	NA/Refused	152	49%	51%
Length in County	Less than 5 years	144	45%	55%
	6 to 20 years	262	51%	49%
	21 years or longer	394	51%	49%
Gender	Male	384	51%	49%
	Female	416	49%	51%
Employment Status	Full-time	421	48%	52%
	Retired	255	52%	48%
	Other	124	52%	48%
Housing type	Single Family	501	54%	46%
	Multifamily	299	43%	57%

Did you know Pinellas County has an online tool called 'A to Z Guide for Recycling and Disposal' which allows you to search for over 450 items and help you to determine how and where to properly recycle or dispose of the searched item?				
			Yes	No
Total		800	18%	82%
Geography	North	162	14%	86%
	Mid	103	20%	80%
	South	123	15%	85%
	Clearwater	154	19%	81%
	St. Petersburg	258	20%	80%
Age Group	Under 35	180	19%	81%
	35-64	394	20%	80%
	65 & older	226	13%	87%
Education	High school or less	182	15%	85%
	Technical/some college	220	21%	79%
	College degree+	398	18%	82%
Race/Ethnicity	White/Caucasian	597	19%	81%
	Non-White	203	16%	84%
Household Income	Under \$55,000	194	12%	88%
	\$50,000 to \$99,999	292	19%	81%
	\$100,000 or more	162	19%	81%
	NA/Refused	152	22%	78%
Length in County	Less than 5 years	144	15%	85%
	6 to 20 years	262	19%	81%
	21 years or longer	394	18%	82%
Gender	Male	384	17%	83%
	Female	416	19%	81%
Employment Status	Full-time	421	22%	78%
	Retired	255	14%	86%
	Other	124	11%	89%
Housing type	Single Family	501	20%	80%
	Multifamily	299	14%	86%

Appendix D: Open Ended Responses

Question 4: What kind of dwelling do you live in? “Other”

- Over 55 community

Question 7: Why don't you participate?

- Because the things I want to recycle like large cardboard, that won't fit in the bin, they will not accept so I just don't do any of it.
- Do not have recycling in my neighborhood
- Don't feel like bothering
- Don't have it
- Don't have it
- Don't have it here
- Don't offer
- Don't offer
- Don't offer it
- Extra \$10 a month
- Have recycling at the job.
- I do it on my own
- I don't have a bin anymore, it disappeared
- I don't have a recycle can
- I don't have much here. I recycle in Illinois.
- I don't have that much to recycle.
- I don't know
- I don't know that they do
- I don't know why not.
- I don't know, I just don't
- I don't know.
- I don't think we have that here
- I don't we take it to a collection center.
- I have to go down and start it
- I live in the unincorporated part of Pinellas county.
- I take anything I have to my friend's house
- I take them to the drop off bin
- I throw it all in the trash right now
- I was never given a recycle bin
- I work with waste management
- I've looked into it. I don't have the time.
- If it's there I don't use it.
- Inconvenient
- Just not up to it
- Never been offered here
- No recycling in my neighbor hood
- Not offered
- The charge to much. So, we had to go with someone else to do recycling.
- The owner is too cheap to have recycling.
- They charge for that. They already charge for trash pickup.
- They don't have a recycling truck here.
- They don't have it. My daughter takes all to the collection center.
- They don't have recycling where I live
- They don't have the service here. I have them seen them put what's in the waste and the recycle bin all in one truck.
- They don't offer it.
- They don't offer the service.
- They don't pick up here anymore
- They only come once every 2 weeks
- They pay for it, but I just don't recycle.
- They used to have a service but not since they got rid of it 3 months ago.
- They won't pick up where I live
- Thought it was easier to not formally recycle
- We do but it's pay to use.
- We don't have a bin to recycle.
- We don't have a bin. When we moved here we asked for a recycling bin and only got a trash can.
- We don't have a can
- We don't have a can
- We don't have enough to take down to the recycling. My sons come and get it.
- We don't have it here
- We don't have recycling. We live in unincorporated part of the county. My sister recycles so I take them there.
- We just put it in our trash. We would recycle if they had it around here. We try to do our part.
- We just throw everything in the trash.
- We live in the unincorporated part of the county. We don't have recycle bins.
- We take it to a recycling center

- Environment
- Environment
- Environment
- Environment.
- Environmental
- Environmental duty
- Environmental impact
- Environmentalist
- Environmentally safe
- Everyone recycles.
- Everyone should
- for future generations
- For our children
- For our children and grandchildren and the environment
- For our environment
- For repurposing
- For the earth
- For the earth and my children's children
- For the environment
- For the environment and the future.
- For the environment.
- For the environment
- For the environment
- For the environment
- For the environment
- For the future generation
- For the good of the earth
- Fun to save on my trash and it good for the environment.
- Good Option so I do it.
- Good for environment
- Good for environment
- Good for mother earth
- Good for the earth
- Good for the earth and the right thing to do
- Good for the environment
- Good for the environment.
- good for the environment
- Good thing to do
- Got to put it somewhere. It's a good idea to recycle what we can recycle.
- Habit
- Have the recycle bin so why not use it.
- Help and protect the environment.
- Help saving the environment.
- Helps reduce pollution
- I always have
- I always have
- I always have, I love animals and the environment so I'm trying to do my part.
- I am very much into saving our planet
- I do it through waste management. I feel it's not right they don't take my beer bottles.
- I do sometimes, it's the right thing to do for our future
- I don't do a lot of recycling only a lot of boxes.
- I don't know
- I don't know, I just do it sometimes
- I don't know, I just do.
- I feel like it's the right thing to do.
- I have a bin and I fill it
- I have always recycled.
- I have done it all my life
- I have it so why not recycle.
- I have the bin and less trash in my bin
- I have to pay for my services. I used to live in Massachusetts. I've been recycling for 20 years now.
- I have Waste Pro. Cause it's the right thing to do.
- I just do
- I just do

- I just do
- I like to contribute when I can
- I love the earth
- I participate through my job.
- I really don't know; it all ends up in the same place anyways
- I think about my grandkids. The future.
- I think it's a great idea. Why would you not. I can't think of not doing it.
- I think it's good thing to do.
- I think it's something everyone should do
- I think it's the right thing to do for the environment
- I think it's the right thing to do.
- I think it's needed for the environment, I actually have more things to recycle than I have regular garbage
- I think that it's good for the environment and not adding more to the landfill.
- I want a better planet for my kids and their kids and saving the oceans.
- I was on the board of directors for our community. We decided to offer it to our residents because it was inexpensive.
- I work for an environmental firm. We fill the containers appropriately.
- I'm a fanatic, and without it we are killing the earth
- I'm an environmentalist
- It doesn't work they use to send it to china, but they can't do that now, and it just piles up here.
- It helps
- It helps in more ways than one.
- It helps keep the environment going. You recycle so you don't have to keep pulling it out of the ground you would reuse it.
- It is for the environment
- It is good for the environment.
- It is our civic responsibility
- It is the right thing to do

- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the right thing to do
- It is the smart thing we should all do
- It is the thing to do
- It is what I have always done
- It makes sense
- It makes sense to recycle
- It needs to be done. We've done it so long it's habit now.
- It saves on a lot of waste
- It stops pollution. Less waste is taken to landfill and incinerator
- It's a good idea not to throw away things, and to get new. Not to create unnecessary trash.
- It's a good thing to do
- It's better for the environment.
- It's extremely important, and a civic duty.
- It's for the environment and it makes sense repurpose things.
- It's forced
- It's good for the environment.
- It's just like a good thing to thing to do.
- It's one of the responsible things to curb the current damage and waste.
- It's something that we all should do.
- It's something that you have to do.
- It's the right thing to do for the environment.
- It's the right thing to do for the environment.
- It's the right thing to do.

- It's the sensible thing to do, and when you look at all trash there is a lot of it.
- It's the third in the solution process to reduce, reuse waste and what we can do to reduce our admissions.
- It's a good thing to do
- It's a nice thing to do.
- It's a requirement
- It's better for the environment
- it's good for the environment
- it's just something I think you should do
- it's the right thing to do for environment.
- It's the right thing to do for our environment
- Just because I know what it's right.
- Just because it's better for earth rather than fill the landfill.
- Just do.
- Just doing my part
- Just doing my part. I don't know that they give us choice with doing it.
- Just for the environment and keep it off our beaches.
- Just good for environment.
- Just keep things out of the trash.
- Just so we don't have to throw it away. We pay for it already why not do it.
- Just to be helpful
- Just to recycle.
- Just trying to make a lesser environmental impact.
- Keeps it out of the landfill.
- keeps stuff out of landfill
- Mainly the environment
- Mandatory
- My dad does all the recycling.
- My stepmother has always done that. We have been helping for years. I guess it just comes natural now.
- No reason not to
- No use in throwing good things away.
- Nothing
- One is for trash and one is for recycling. It's what's expected of us.
- Our HOA pushes it plus it's good for the earth
- prevents pollution
- Protect the animals and the aquatic life.
- Protect the environment.
- Protect the environment.
- Reduces waste
- right thing to do
- Right thing to do
- Right thing to do
- Right thing to do.
- Save a tree, save the earth
- Save the earth
- Save the earth
- Save the earth
- Save the earth. I can't see throwing everything out into the garbage when it can be recycled.
- Save the environment
- Save the environment
- Save the planet
- Save the planet earth.
- Save the planet.
- Saves a lot of stuff. Like paper by conservation of trees.
- Saves room in my trash can and in the landfill
- Saves room in the garbage can. Good place to put junk mail.
- Saves the earth
- Simply because they provide the container
- Smart decision
- So, it doesn't go to the trash.
- So, there is less trash
- So, things can be reused
- Still paying for it regardless. Have to use it.
- Stop so much pollution
- Suppose it's good for the environment.
- That only goes straight into the dump around here we still do it though. Because they may start handling it responsible.
- The bring around bins and I put it in there.
- The earth basically, save money when you recycle
- The environment
- The environment
- The environment

- To keep the earth as clean as we can
- To keep the earth clean
- To keep the environment clean
- To keep the waterways cleaner
- To minimize waste
- To recycle instead of throwing away glass, and paper.
- To save our natural resources
- To save our planet.
- To save the earth
- To save the environment and lower greenhouse gases.
- To save the environment.
- To save the world.
- To stop so much waste
- To try and cut down on waste mostly.
- To try and do my part
- To try and help air and water pollution
- To try to make a difference in the world.
- Try to keep the land fill not so full
- Trying to help out the environment
- Trying to preserve what is there. The environment.
- We always recycle. It's good for earth.
- We do it for the environment.
- We have no choice. They make us get the blue bins and they take our garbage and they don't use it.
- We have on bin for the trash and on for the recyclable.
- We have so much going in the landfill now
- We have to recycle in order to preserve the earth.
- We just always have recycled.
- We like to keep everything separate
- We need to protect mother earth.
- We pay for it through our HOA
- we really care about the planet
- We sometimes recycle.
- We think we should follow the rules
- Well I just think that anything to keep it out of the land fill is a good thing.
- Well I shop on Amazon a lot, so I have a lot of cardboard and it's easier to rid of it that way.
- Well my mother started doing it, but she almost stopped because it cost too much, but we kept on doing it.
- Well you know no point of making additional waste we don't live on the biggest part of Florida.
- Well, better to take care of the earth.
- When we do recycle, we do the bottles.
- Why not
- Why not
- Why not
- Why not
- Why not, its readily available
- Why not?
- You have to I think
- Your supposed to

Question 9: Do you recycle the following items curbside? "Other"

- Amazon envelopes and anything that can be recycled is
- Cat litter jugs
- Egg cartons
- Paint and other items like it, we take to a special place in Pinellas, but I don't remember the name
- Styrofoam

Question 10: When your household is unsure whether an item is recyclable, what do you do? "Other"

- Always sure
- Always sure
- Check the container
- Check the object
- Check to see if it's got a little arrow on it.
- Consult my husband for that.
- Flyer from the county
- Google
- Google it
- I always know what to do
- I check what's in the middle of the triangle on the bottom of the bin.
- I drop off more then I recycle.
- I have a list form the city.
- I have a list that came in the mail
- I have a list.

- I try and find information online, but I usually always know.
- I try to look at the object or look it up
- I use the information on top of the bin.
- I would ask my son he works at the recycling place.
- I would go to the county website.
- I would go to the website.
- I'm always sure
- I'm always sure.
- I'm not unsure about anything I throw away
- I'm sure
- I'm usually always sure
- It says on the bin what I can put in it, if it's not allowed, I just toss it in the trash.
- landfill/dump
- List on the recycle bin
- Look at the container
- look at the containers label
- Look at the label
- Look at the label on the product to see if it's recyclable, if not I look online.
- Look at the label.
- Look it up
- Look online
- Look online
- Never unsure
- Never unsure
- Never unsure
- Never unsure
- Online

Question 14: Why not?

- Because they want to charge \$25 a month
- Can't afford the fee
- Don't want to bother
- Don't want to worry with it
- far away
- I don't know, I just don't
- I just don't
- I just don't get out there
-

Question 15: Why do you choose to recycle?

- Always have
- Basically, force of habit, and my wife likes to.

- Read the labels
- Separate bin and take it to a collections place
- The bin has a paper
- The cans have lists on the back we use.
- The city's website.
- The county gave us lists.
- The information is on the lid of the recycle bin
- The list the county puts out every year.
- The picture on cans will tell you what they take.
- The sticker on the bin has a list.
- There is a list on the bins.
- They send us out a pamphlet of what is and what's not.
- Usually the bottom of the plastic tells you if it's recyclable.
- We check the package if it is or isn't and how to dispose of it.
- We get a list in a bill
- We get a newspaper that has a guide
- We google it.
- We have a list
- We look for the little triangle.
- We look on the bottom of the bin and the county's website.
- We look on the list on the bin.
- When know what to do with them. We have a list given us.
- Will try to find the answer online

- I'm lazy.
- I'm blind and the association takes care of it
- Just not a habit I acquired.
- My landlord handles all that
- Partially recycle
- They sort it out for us, I don't personally do it.
- We don't have no place to put the bins.

- Because I don't like things going in the trash, and I can reuse them.

- Because I make waste. I kind of hope they are recycled instead of the just dumping it.
- Because I'm an environmentalist.
- Because it keeps things cleaner and it's being responsible.
- Because it's good for the environment.
- Because it's green
- Because it's the law they want us to do it.
- Because it's the law they want us to do it.
- because it's good for the environment
- Because the bin is here
- Because the earth would be a mess
- Because we recycle here.
- Better for my grandkids
- Better to have good habits
- Cause I want to help the environment.
- Clean for the environment. It's cleaner living.
- conserves natural resources
- Eliminate waste
- Environment
- Environmental reasons
- Everyone needs to try to keep the planet clean
- Everyone should do it.
- For future generations
- For our earth
- For our earth
- For the environment
- For the environment.
- For the environment.
- For the environment
- For the environment
- for the future
- Good for the earth
- Good for the environment
- Good for the environment
- Good thing
- Help out thee environment
- Help the earth
- Helps prevent pollution.
- Helps reduce the use of raw materials
- I always have recycled. I have recycled for a long time.
- I always have recycled. I have recycled for a long time.
- I can't see putting things in all those fake mountains.
- I don't feel good just throwing things away.
- I feel like it's better for the world.
- I gather all the cans and bottles and recycle. I'm not sure if those containers are for us though.
- I just always have recycled, and I have a daughter who I recycled with since she was young.
- I just think it's the right thing to do. Just so many things to do with the it.
- I know that they don't separate the trash. By separating myself I know I'm contributing to loss of jobs, but I feel I'm passing it forward.
- I like to
- I think it's better for the environment.
- I think of a lot of it can be recycled.
- I volunteer to recycle.
- I want to help the environment
- I've been recycling since they first started.
- I've just been doing it all my life
- It benefits all of us
- It helps save our planet.
- It helps with pollution and helps the environment.
- It is something we should all do
- It saves on using raw materials.
- It's a waste if you don't
- It's for the environment. It's better than being sorry.
- It's good for the environment
- It's good for the environment
- It's good for the environment.
- It's just decreases the amounts of trash.
- It's our duty to recycle.
- It's something we should all be doing

- To save the environment
- To save the environment
- Too easy not to
- Trying to go green for the environment.
- Trying to make a difference
- We do as much as possible. If there is something available, we will try.
- We do try to recycle. For the environmental reason.
- We have always recycled.
- We have that all here in Summer Tree it's a 50 plus community and it's in our contract.
- We use a lot of water bottles
- We were told to by the HOA
- Well I've believed in this for many years, and we recycle and make good use of it.
- Why out unnecessary things in landfill

Question 16: Do you recycle the following items at your complex? "Other"

No respondents provided an open-ended response answer for "Other" for this question.

Question 17: When your household is unsure whether an item is recyclable, what do you do? "Other"

- A book that came out from the county tells you what to recycle.
- Always sure
- Down by the recycling there is information posted there.
- Down by where we recycle there is signage.
- Every year Pinellas county puts out a booklet.
- Google it
- I always know what to do with it
- I ask a friend at the school. She does the recycle after school club, so I ask her.
- I consult the list that Pinellas county gave us.
- I go with the list from the city.
- I have guide and have a girlfriend that I can ask she works at the waste management site.
- I look it up on the internet
- I look it up on the list
- I use a list from the complex
- I'm always sure
- In our elevator is a list of what we can recycle.
- Never unsure
- Park office
- The bins have a list on it.
- The plastic bags we take them back to the grocery store, and the big cartons we take that to the center. They don't take Styrofoam we know that.
- They tell us what is recyclable. When we moved here, they did give us a list.
- We google.
- We use the list the county provided.
- We use the numbers on the bottom of the container to tell us whether to recycle it.

Question 19: Why not?

- A friend does it for me
- At one time we did do it like that.
- Because I have it here where I live
- Because it gets picked up
- Because it's on our doorstep. We use the bins.
- because of curbside is available
- Because they have curbside
- Because we do it curbside
- Because we have curbside where I live
- Because we have it where I live
- Before the city started to recycle, I use to take newspapers, and aluminum cans to our church that use to recycle them.
- Can't get out
- cause they offer curbside service
- Complex takes care of it
- Curbside is convenient.
- Curbside is offered where I live
- curbside right here
- Do it at home
- Don't have a need to
- Don't have a need to

- No time
- No time to go
- No time to honestly
- No time to really
- No vehicle
- No way to go
- No we have a place with 3 bins that we use to recycle.
- No would rather have a bin.
- Not able to go, I'm 80 years old
- Not able too
- Not generally. If I have an excessive amount we might do it that way
- Not needed
- Not really
- Not since they sent the bin.
- Not since we have moved to the condo.
- not sure where to take them
- Our complex recycles
- Our superintendent takes care of all of that for us
- Pinellas county picks it up
- Really don't have the time
- recycling is all a part of the trash/recycling
- Save the environment.
- Save the environment.
- Tedious
- Tedious, just bring it to the curb
- That is part of my service I pay for.
- The give us the bins to use.
- There is a bin that is on location here.
- There Is a dumpster nearby for plastics where I put my stuff
- There isn't anywhere locally to do that
- There is no available collection centers.
- They are supposed to pick it up. They were supposed to pick it up today but they didn't for some reason.
- They closed the center that was close. The other is too far. I hate to drive all the way there, and not being able to go every week.
- They collect recyclables here.
- They come and pick it up.
- They come on certain days two times a week.
- They do it here
- They don't offer it anymore, no room in the landfill. They burn it.
- They had one on Oakhurst and they shut that down. It's too far to the other collection center.
- They have a drop off center at the city hall.
- they have a recycle person pick it up
- They have curb side service.
- They have curbside pickup here
- They have recycle bins
- They offer curb side
- They offer curb side pick up
- They offer curb side pickup
- They offer curb side service
- They offer curb side service.
- They offer recycling at house
- They pick it up at the door.
- they pick it up at the house
- They pick it up at the house
- They pick it up curb side every week
- They pick it up curb side once a week
- They pick it up curbside
- They pick it up for us
- They pick it up for us
- They pick it up from the street
- They pick it up here
- They pick it up here
- They pick it up here
- They pick it up here.
- They pick it up here.

- They pick it up here.
- They pick up here
- They recycle where I live
- they take care of it at my complex
- They take care of it at my complex
- They try to put the recycling service back 12 years ago, but it didn't stick.
- Throw it in the trash.
- Too busy
- Too busy
- Too far
- Use curb side
- Use curbside
- Use curbside at home
- Use my own curbside
- Use our curbside always
- Use our curbside service
- Use the bins provided.
- Use the bins.
- Use the bins.
- Use the bins.
- Use the curbside
- Use the curbside service
- We are just going to do it.
- We did previously before curbside.
- We do chemical and electric batteries recharge events and just drop them off.
- We do curbside
- We don't do that.
- We don't have many recyclables here. We don't have thing coming from Amazon or anything like that.
- We don't have much recycling around here.
- We don't need to.
- We don't recycle plastics in the condo complex, so we gather them up and I take it to a friend to turn them in.
- We done that once and that was a TV.
- We have 3 bins we use.
- We have a big bin that we got from our waste management. They pick it up every week.
- We have a big bin with no separation that we all use.
- We have a blue bin they pick up every week.
- We have a dumpster for recyclables
- We have a lot of cans turn in ourselves.
- We have a lot of cans we turn in ourselves.
- We have a recycle bin here
- We have a recycling can in our garage and we put it out on different days.
- We have bin outside that they pick up every week.
- we have curb side
- We have it here where we live
- We have one at the complex. It's a rather big complex. The have a small area setup there for it.
- We have pick up here.
- We have pickups on Mondays. We use the bins.
- We have recycling here
- We have recycling here.
- We have recycling services where I live
- We have recycling where I live
- We have return hazardous materials.
- We have return hazardous materials.
- We have services here.
- We have the bins here we use.
- We have the bins to use.
- We have the pickup in the complex and we use that.
- We haven't since we moved here.
- We just don't
- We just moved. We are going to look for one.
- We just use the bins.

- Pinellas county website.
- Pinellas county.org
- Pinellas Park website
- Pinellas sent out a flyer
- Prior knowledge
- Probably county website.
- Probably the Pinellas County website.
- property manager
- Property manager
- Provided from the county or whatever is online
- Published here in our building
- Read about it or television
- Read what comes in the paper or website
- Reading what is accepted with whoever is responsible.
- Recycle magazine I get every year
- School
- Site from the city
- Social media probably the internet. I watch documentaries on National Geographic.
- Solid waste website
- Some of the it has labels that tell you this recycle.
- Sometimes something pops up in our local paper or online. Pinellas county has a page that tells you what you can and can't.
- Sometimes we get information in the mail. Mostly we go online.
- St Pete website
- Sticker on the top of the recycle bin.
- Television
- Television and I go online to see what I can recycle
- Television news, and the newspaper.
- Television and the city of Seminole
- The bin
- The bins at Publix supermarket.
- The city
- The city has put out a pretty comprehensive list of what you can and can't recycle.
- The city of Largo website.
- The city of Safety Harbor sends out information guideline for me to use.
- The city website or I Google.
- The city's website and, the Pinellas County Solid Waste website.
- The company we pay for recycling.
- The county
- The county always sends out information and letters.
- The county does a decent job at providing a list.
- The county puts out info in the paper once a year.
- The county website
- The county website.
- The county website.
- The county.
- The flyer I received in the mail
- the have brochures to remind us on what goes in recycling and what doesn't go in
- The internet
- The internet.
- The internet.
- The little newspapers and there is information on the bill.
- The manager of the condo knows
- The news
- The news, or just the list the county gave us.
- The newspaper
- The newspaper and the television.
- The Pinellas county app.
- The Pinellas County recycle website, or the St Petersburg website has a schedule.
- The Pinellas county website or I would call them.
- The Pinellas county website.
- The towns recycling bulletin
- There is a guide on the bin
- There is a guide that comes in the paper once a year
- There is a list on recycle bin
- There is info on the recycle bin
- There is information posted down by the recycling.
- There's info in the paper on recycling
- They had something in paper, and I was going to read it.
- They have a list in our elevator and someone from recycling came an spoke to all of us about what we can recycle.
- They send notices in the mail.

- They usually send it to us in the mail with the water bill.
- Through a friend.
- Through the city of St Petersburg.
- Town website
- TV and community fliers
- TV and the flyer.
- Usually from one of the local government entities website.
- Usually online or I would call waste management.
- Usually online on the Pinellas county website.
- Usually Pinellas county website.
- Visiting the collection centers
- Waste management, Safety Harbor has a monthly bulletin that they put out that remind us of what we recycle.
- We consult the cities' website.
- We don't do that.
- We get in the mail, and the Pinellas county sends out a folder of what we can and what we can't. Waste management uses picks that up every week.
- We get info sent to us from Pinellas County
- We get it in the mail or website
- We get like a booklet from the county each year.
- We have a letter that tells us what to recycle
- We have a thing in our club house a list of what we can recycle from the county.
- We have tried to get the recycling from the city but wasn't sent a bin.

- We just google.
- We just like do it.
- We just usually call.
- We look on the bottom of the trash bin.
- We received a letter
- We use Solar Sanitation and they gave us a list. We lamented it and we follow the instructions.
- We use the calendar thing from the city. Tells you the schedules for pick up.
- We used to do the recycling bins for the complex but when they built a building next door they took away the space for the bins.
- Website
- Website
- Website
- Website
- Website printed on the recycle bin.
- Website.
- What is on the bins is good.
- What you hear on the TV and internet.
- When I moved here, they gave me a list that we can recycle, and services.
- When they started this, they gave you a list, a print out of what you can recycle.
- Word of mouth
- Word of mouth.
- Word of mouth.
- Word of mouth.
- Word of mouth/Friends
- Working in a daycare, learned from teaching
- YouTube

Question 25: What do you currently do with your rechargeable batteries?

- 2-3 times a year the county takes that kind of stuff. Events.
- A couple of times a year after we've collected up enough then we take them to places that accept them
- A lady at work collects them.
- A place that takes them
- Actually, only have the one on the outside. I haven't had to do that.
- All of the rechargeable batteries are collected in the complex.
- back to the store
- batteries plus
- Batteries plus
- Best Buy

- I haven't done that yet. AAA takes the battery when it's bad.
- I haven't done that.
- I haven't done that. If it was not working like a laptop, I would just trash it.
- I haven't had them in a long time.
- I haven't had to do that much.
- I haven't had to do that yet.
- I haven't had to do that yet.
- I haven't had to do that yet.
- I haven't had to do that.
- I haven't had to do that.
- I haven't had to do that.
- I haven't had to do that. We usually drop them off at the events they have.
- I haven't really done anything with that.
- I haven't recycled that yet. I would call the city to see if I can recycle it.
- I haven't thrown out anything yet.
- I haven't turned those batteries in.
- I haven't used that yet.
- I haven't done that yet.
- I just give the electronics back to the retailer.
- I just keep them in my room
- I just put them in a bottle and throw them away.
- I just throw them out
- I keep them
- I never have had to replace my cell phone battery.
- I put them in the trash.
- I put those in the recycling bin if I don't know.
- I recycle but my daughter does not.
- I recycle them.
- I refurbish them myself
- I return it to the store.
- I return it to the stores.
- I return them to retail store.
- I return them to the store.
- I return to the store.
- I return to the store.
- I reuse them.
- I sell them
- I still use them. [p]
- I take it back to where we got it.
- I take it to Home Depot.
- I take it to where you return paint.
- I take that to the electronic and paint center.
- I take the batteries to the high school. They have a take back the battery thing.
- I take them back to the Best buy.
- I take them back to the retail store.
- I take them back to the retail store.
- I take them back to the retail stores.
- I take them back to the store like Walmart.
- I take them back.
- I take them to a collection center
- I take them to a store
- I take them to a store that takes them back
- I take them to Lowes.
- I take them to my job, and they do something with them
- I take them to my job, they take them
- I take them to my office
- I take them to retail stores that take them back
- I take them to someplace where a friend work takes those.
- I take them to the chemical collection center
- I take them to the chemical collection center
- I take them to the collection center.
- I take them to the collections center.
- I take them to the county collection center if I have any

- I take them to the household electronics and chemical collection center
- I take them to the household electronics center
- I take them to the landfill center for paint and large recyclables.
- I take them to the recycle place over by the dump
- I take them to the Trademark recycle center on 68th.
- I take them to work we have taken things to the hazards collection site all the time.
- I take those to one of the drop off location at Home Depot and Lowes.
- I take those to the place that takes electronics the collection center close to the dump.
- I take v\back to the store where I purchased
- I think I put those in the recycle.
- I think I throw them away.
- I think my husband takes it back to Lowes and Home depot.
- I think we currently throw them away.
- I throw them away.
- I throw them away. Where am I going to keep it?
- I took it back to the retail place I got my phone at.
- I trash them
- I try to reuse them. If not, then I throw them away.
- I turn them back in to the store.
- I turn them back to the store.
- I turn them in to the household recycling center
- I usually had to call the city and they come and get it.
- I usually just throw them in the trash
- I usually take it the guy at home depot.
- I usually throw them in the garbage.
- I would take them back to the store.
- I would take them to the chemical collection center or certain retail stores.
- I would take those back to batteries plus.
- I'd ask someone if they want it or take it to the center.
- I'm not interested.
- If I have any, I take them to the drop off center at a store or to the county drop off
- In the garbage.
- It hasn't been a recent issue. When I got my new phone, I gave them my old phone.
- Just save them up and take them to the are Pinellas county dump site. You can turn them in there.
- Keep the ones that are working, I have taken some to a chemical collection center
- Keep them
- Keep them
- Keep them
- Keep them in a drawer honestly
- Lithium ion dropped off at the landfill waste collections at the waste center.
- Look it up online
- Lowes has bins we take them there.
- My daughter takes care of all that.
- My husband is in IT and has someone come get them for us when we have enough for them to pick up.
- My husband keeps them or rebuilds them.
- My husband mails them to someplace. We a box we fill up and send to someplace.
- My husband takes care of that kind of stuff, so I really don't know
- My husband takes care of those. I store them he takes them.
- My husband takes it somewhere locally.
- My husband takes them to Lowes.
- My husband throws them in the trash
- My husband works at a computer store and he takes them there to turn them in.
- My sons take care of that.
- My wife takes them to a collection center
- My work recycles that kind of stuff, so I take it in there.
- Never had a reason to do anything
- Never had to throw any away
- No
- No idea
- No need
- No need at this time, I would have to look into it.
- None
- None

- Superintendent takes care of stuff like that as well
- Take back rechargeable batteries events.
- Take back to store
- Take back to the store
- Take back to the store
- Take it to the household electronics center
- Take that over to the recycle center near the landfill.
- Take that to the hazmat collection center.
- Take them back to a store
- Take them back to the store.
- take them back to where I got them
- Take them back to wherever we got them from.
- take them back where I got them
- Take them back wherever I got them
- take them in, or trash
- Take them Lowes
- take them somewhere to be properly disposed of unless the battery is working
- take them to a chemical waste area
- take them to a drop off center
- take them to a drop off collection center
- Take them to a drop-off center
- Take them to a drop-off location
- Take them to a landfill and drop them off so they can sort through it.
- Take them to a place that accepts them
- take them to a place that can recycle them
- Take them to a place that will accept them
- Take them to a recycle center to dispose of them.
- Take them to a store
- Take them to a store like Lowes
- take them to a store that can dispose of the bad batteries properly
- take them to batteries plus
- Take them to be recycled properly
- take them to best buy
- Take them to best buy
- take them to drop off and dispose correctly
- Take them to electronics drop off locations
- take them to my works drop off
- Take them to recycling place if we need to
- Take them to retail stores that accept them back
- Take them to store
- Take them to the recycle place over by the city dump
- Take them to the recycle plant or a bin.
- Take them twice a year to a drop off
- Take to a drop off center
- Take to a store
- Take to a store like Best Buy
- Take to batteries plus and they take care of it for us.
- Take to Best Buy
- That goes to the trash bin.
- The city has got a list of things to recycle.
- The large batteries I put it in a box, and I give it to my girlfriend to take.
- The only rechargeable battery I use is my cell phone and I recharge that
- They go to a place of collections in the community and taken somewhere else.
- They go to the recycle center.
- They have a service that picks them up
- They have a truck from the county that comes, and we give it to them.
- They have drop off events at Eastlake High School once a year.
- They have pickups at the schools couple times are year.
- They recycle everything at my job.
- Those go to hazardous collection center.
- Those usually I wait like paint and all that kind of stuff when the city has a day to turn in all that.
- Those we take to recycle. We have a lot of electronics we take. We used to take it to the Urban recyclers at one time.
- Throw away
- Throw away
- Throw away
- Throw away
- throw away in the trash
- Throw in the garbage.
- throw in trash
- Throw in trash

- We don't use those items.
- We give them to a little place that takes batteries
- We go to the Home Depot and they take it back.
- We have business and collect a lot of things that go to different sites. Yeah, the collection centers.
- We have chemistry teacher at the school who takes them.
- We have collection here and it goes to a special group bin.
- We have done that. Pinellas county has something twice a year to take them back.
- We have very little to do with that.
- We haven't done anything with that yet. We still pile them up. We have to clear a hard drive first to.
- We just keep them around here.
- We just keep them.
- We just save we them.
- We kind of have a stockpile here of old sell phones and I don't know what to do with them.
- We recharge them
- We reuse them.
- We save them and recycle them when they have those take back places.
- We save them until we are told where Pinellas county is having an event.
- We send them back to the manufacturer and get credit for a new item
- We store them because we don't know what to do with them
- We take them back where we bought it.
- We take them back where we got them
- We take them to a drop off collection place if we need to.
- We take them to be properly disposed of
- We take them to the chemical collection center
- We take them to the recycling center when they have those things where they take the battery back.
- We take those into a collection point to recycle.
- We take those to the center near the landfill.
- We take those to the collection center.
- We take to the store.
- We throw it away.
- We throw them away.
- We throw them away.
- We throw them away.
- We try to find places to take them. The collection events.
- We turn them into the hazard materials center.
- We use them up until we can't use them anymore then we return them to places like Best buy and Target.
- We used to take it to Ikea, but they stopped doing that.
- We used to. I haven't done that in a while.
- We usually take them to a collection center.
- We usually throw them in a bag and they just sit there. We just haven't taken them somewhere to dispose of them.
- We wait for drop off times that they announce for the locals
- We will hold them until the time in the month they do a pickup for them.
- We would put it in the trash.
- wrap them separately and throw them in the garbage

Question 28: What is your current employment status? "Other"

- Disability
- Furloughed
- Retired active duty and sometimes work part time as a Flight instructor.
- self employed
- Student

Question 30: What information about recycling would you seek when visiting the Solid Waste website?

- A question about something specific

- I don't know.
- I don't know.
- I don't know. We always call.
- I don't look it up
- I don't really need information. I know what things like electronics to recycle.
- I don't really need to know.
- I don't think anything
- I don't think anything
- I don't think I have to pay for the service.
- I don't think I need any information.
- I don't think I've ever done that.
- I don't use it
- I don't use it
- I don't visit there
- I don't, I'm fully aware of how and what to recycle
- I get what I need off the recycle lid
- I guess a printed material on recycling and what to do to get the curbside recycling started for me.
- I guess how to know which items as far as plastics and paper.
- I guess if I had a question, I would use the website.
- I guess more information on the process knowing that they don't just pull the bags out again.
- I guess primarily a special collection service, and a change in items. Updates on the lists.
- I guess what is recyclable and what isn't.
- I guess what to recycle
- I guess what would be good acceptable to recycle.
- I guess why they don't offer recycling where I live.
- I have a list
- I have a list
- I have been recycling or years. I know all there is to know about it.
- I have never done that before
- I have no need to pursue it further.
- I haven't
- I haven't been on that site in a long time.
- I haven't been on there
- I haven't been on there.
- I haven't visited any websites like that.
- I haven't visited there
- I keep up with that myself.
- I know all I need to know
- I know what can be recycled and what can't.
- I know what to do with recycling and we'll get started on that.
- I need a recycling bin
- I never have done that. I did look at what you take for paint. I bought some paint from Pinellas county.
- I never visited the solid waste website.
- I never went on there
- I pretty well know
- I pretty well know
- I pretty well know
- I probably wouldn't we had a waste management program in prison. I pretty much would know what to do with.
- I they had door to door pickup I would recycle, but they don't have pickup at these apartments.
- I think that I have all the information that I need.
- I think we are doing what were supposed to. Solar Sanitation they gave us the information and that is what we are doing.
- I think we have done it long enough that we can determine ourselves what to do.
- I want to know the if they actually use the trash for a purpose, or are they wasting our time.
- I want to know the outcome of it. What they do with it. I want to know what it contributes to cleaner living.
- I was interested in what you said about burning the trash to generate electricity.
- I we know what we need to know.
- I will go to the website.

- I would ask about the schedule, and what I'm able to recycle on the website.
- I would google it
- I would just find out what I can throw in the trash.
- I would like more information with what happens. With the Corona virus. I'd like to know what is happening with the furniture.
- I would like to have a pictorial of what we have to recycle.
- I would love to go to the solid waste plant. They take paint cans 3/4 full and they take what you bring, and you can take out what's there that's a different area for that.
- I would love to participate in a mass shredding event
- I would love to take my son a tour on the Eastside recycle center. I hear it's the best recycling site.
- I would participate if it's an affordable service provided by the county. I have a problem with the costs of Pinellas county trash.
- I would participate if they offered the service.
- I would participate if they offered the service.
- I would participate if they wouldn't charge for the service.
- I would participate if they offered it around here.
- I would participate in recycling if it was available.
- I would participate if it was convenient. I plan on moving back to Safety Harbor this week and I'll be able to start the service back up when I move.
- I would prefer to have them give us the bins to recycle rather than to take it to the drop off location.
- I would recycle if they gave us a bin.
- I would recycle if they offered the service.
- I would be recycling locally if they offered.
- I would try to find out whether I could put something in the bin or couldn't.
- I would use it to review what everything is on it.
- I wouldn't be looking for items on the website.
- I wouldn't do that.
- I wouldn't.
- I'd like to know where to take very large items.
- I'm not a huge fan of it. I think it's a feel-good thing. I used to write for the newspaper. There is a lot of waste in the newspapers industry.
- I'm not interested.
- I'm not interested.
- I'm not interested.
- I'm not sure
- I'm not sure
- I'm not sure
- I'm not sure the recycling people gave a good description of what we can recycle and let everyone know what they should.
- I'm not sure.
- I'm pretty kin on up to date information.
- I've taken the tour. I was really interested that they are trying to reuse and repurpose things.
- I've taking the tour of one of them recycling plants.
- I'd see if there was a way for them to pick up where I live
- If a certain item can be recycled
- If anything, what's recyclable
- If available I would recycle when we moved, we didn't look into the service.
- If I didn't know what to do with something, I would look it up
- If I had something and didn't know if it could be recycled, I will look it up
- If I have a bin, I would use it. I can't afford to pay for it.
- If I need to find out what I can and can't recycle
- If I need to know I would go to their website.
- If I needed to know something, then I look for it.
- If I went there how to get rid recyclables locally.
- If offered recycling I would participate.

- If someone is able to pick some stuff up for me
- If they had a full service for recycling, I would participate in it.
- If they had it and made it easy. It needs to be onsite, convenient not spread out all over the place, and close to use for seniors.
- If they have recycling locally I would do it.
- If they offer a service I would participate.
- If they offer the recycle service I would participate.
- If they offered the service I would participate.
- If they offered the service I would.
- If they started a service here, I would participate.
- If they started the service I would participate.
- If your sending out pamphlets I'd be interested.
- indicating what is recyclable
- Information on like the schedule.
- Information on what can be recycled
- Information on what I'm supposed to know to recycle like the rechargeable batteries.
- Information on what is done with the recycled materials
- It is on the bin
- It would be cool if you had items that were needed to make other items. Materials being used together would boost an interest.
- items expected
- items to recycle
- just clarification on what to recycle or not to recycle. the schedule as well
- Just dates that could change. Yes, schedule changes.
- Just find locations and what can recycle.
- Just look up what we can recycle.
- Just more like the dos and don'ts of what I may and may not recycle.
- Just that they have recycling. If the provide the service I would recycle.
- Just to find out what they do with it. I have heard that they burn the trash.
- Just to keep up to date on items
- Just to make sure of what we can recycle and what we can't.
- Just to see what items are allowed
- just what is appropriate to recycle
- Just what it is that I can recycle and can't recycle.
- Just what items are recyclable, and the process.
- Just what they recycle.
- Just what to recycle and where.
- Large items
- Large items what to do with it.
- List of recyclables
- Lists of dos and don'ts. What we can recycle and what we can't.
- Little bit more information on recycling I have done recycle before. More information would be good.
- Local publications on keeping up to date posting.
- Locations
- Look up collection sites or mobile pick up/drop off
- Maybe more info on fixing things that get broken, or reusing things to repurpose them.
- More clarification on what is okay to be recycled from home
- More graphic on what happens in recycling
- More information on places to recycle
- More on what they're doing with trash and recycles
- more specifics on items
- My husband does all of that.
- Never been on it
- Never been on it
- Never been on it
- Never been on that website
- Never been on there
- Never have don't have a computer
- Never used it
- Never went on there

- Read the columns
- Recycle list
- Recycling information
- See what can be recycled and what can't
- Suppose it would just be what we can recycle, and what you can. What you can legitimate recycle.
- The county put out a list every year and we follow that.
- The dos and don'ts and what to recycle and not.
- The hours
- The locations, items that we would recycle, and time of pickups. I appreciate the notices of the pickup times they send out.
- The only concern I might have would be like where to take the paint.
- The specifics I thought shredded paper was recyclable, but I was told it was not.
- The sticker on the trash on the trash bin is the best that I've found.
- There are certain classes for plastics, and I'd like to see the classification on some of them. Some people think all plastics are the same.
- They have signs to tell you what it is. They publicize where to take the paint.
- They need to have more bins. I would participate if they offer recycling.
- They send out information
- They usually tell us if there have been changes.
- Things that I might not to know what to recycle.
- times that recycling is coming thru to pick up
- To get recycling service
- to know of more places in the area, and different types of trash/recycling
- To know that they are recycling plastics actually.
- To see what can be recycled and what isn't allowed
- To see what is recyclable
- to see what items are recyclable
- To see what items are recyclable
- To see what they accept and their hours or directions
- Types of plastics to recycle
- Usually what we can recycle and what we can't.
- We are interested but the city wouldn't help us.
- We don't have a computer.
- We don't have to visit any websites
- We would participate if there was a recycling locally.
- Well I guess would be why are we not recycling. I think it's because we are unincorporated.
- We've seen it in the news and it appears that things have been changed in the community. To me they are not recycling anymore.
- What can and can't be recycled
- what can be recycled curb side
- What can be recycled.
- What can I put in there.
- what else is recyclable
- What exactly can be recycled
- What exactly to recycle
- What goes in and does not
- What goes where and how to process things I don't know about.
- What I can and can't recycle, so I don't get fined
- What I can do
- What I can or can't recycle
- What I can put in for recycling
- What I can put in the recycle bin and what should be put in the trash
- What I can put in to recycle
- What is done curbside and where oil and paint, and things like that are dropped off
- What is okay to place in recycle bin
- What is recyclable
- What is recyclable and what is not
- What is recyclable and what is not.
- What is recyclable and what isn't
- What items are recyclable
- What items can be recycled
- what items to be recycled
- What local communities are recycling
- What materials I can recycle.

- Nothing.
- Nothing.
- People don't rinse out the bottles when they put them in. They should inform them how to do it.
- Pretty knowledgeable
- See if there is anything new about things to recycle.
- Sorting of cartons how do you differentiate between them
- That's about it
- The pickup dates.
- The rules so were not missing anything. What was all that with the shredded paper. I thought we were able to recycle it.
- There is not much I don't know now.
- Things they will take
- To know if there is a tour of the recycling plant to get to know it better.
- To know more about composites
- Usually what we can recycle and what we can't.
- We have a list on what is recyclable
- What happens after
- What happens after recycling
- What happens after wards
- What happens after we recycle
- What happens after you recycle
- What happens after you recycle
- What happens after you recycle
- What happens to it. Where it's going. What incinerator and reprocessed and the end of the line.
- What happens with it
- What I can properly dispose of and what I can't recycle
- What I can properly dispose of and where I would need to go if I have anything that's needed to dispose of
- What is all acceptable in recycling
- What are common things to be recycled
- What more it cost the county to recycle. I know that they can't sell their plastic to China anymore.
- What the exact process is on recycling
- What they do with the trash once it leaves my house
- What to do about Styrofoam
- What to recycle
- What we can recycle.
- What you can and can't recycle
- What's to know what the government is doing with it and the money purposes of it
- What's happening with recycled glass, and where everything is going after being recycled
- When we can start up.
- Where to drop off oil and paint and things like that.
- Where to get a recycle bin
- Where to get the large limbs picked up
- Where to take old computers
- Whether or not it is truly being recycled or threw in the dump
- Would like to take a tour of the facility in Pinellas