



Summit County Waste Diversion Study

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A special thank you to Jen Schenk of High Country Conservation (HC3) for all your help organizing and leading this study. Thanks also to Hayden Van Andel, also of HC3, who helped plan the waste sorts and helped sort, as well as Alicia Archibald of A² Solutions and Graham Cottle of Souder, Miller & Associates for leading the waste sorts. Big thanks to Laurie Batchelder Adams of LBA Associates for leading the C&D audit, facilitating meetings, and for all her creative programming ideas. And last, but not least, thanks to SCRAP personnel Aaron Byrne and Jason Thoma for accommodating us during landfill sorts, and Bill Schenck for his speedy tours and wealth of information regarding the SCRAP facility. It’s been a pleasure working with all of you.

Summit County Waste Diversion Study

1.0 EXECUTIVE SUMMARY

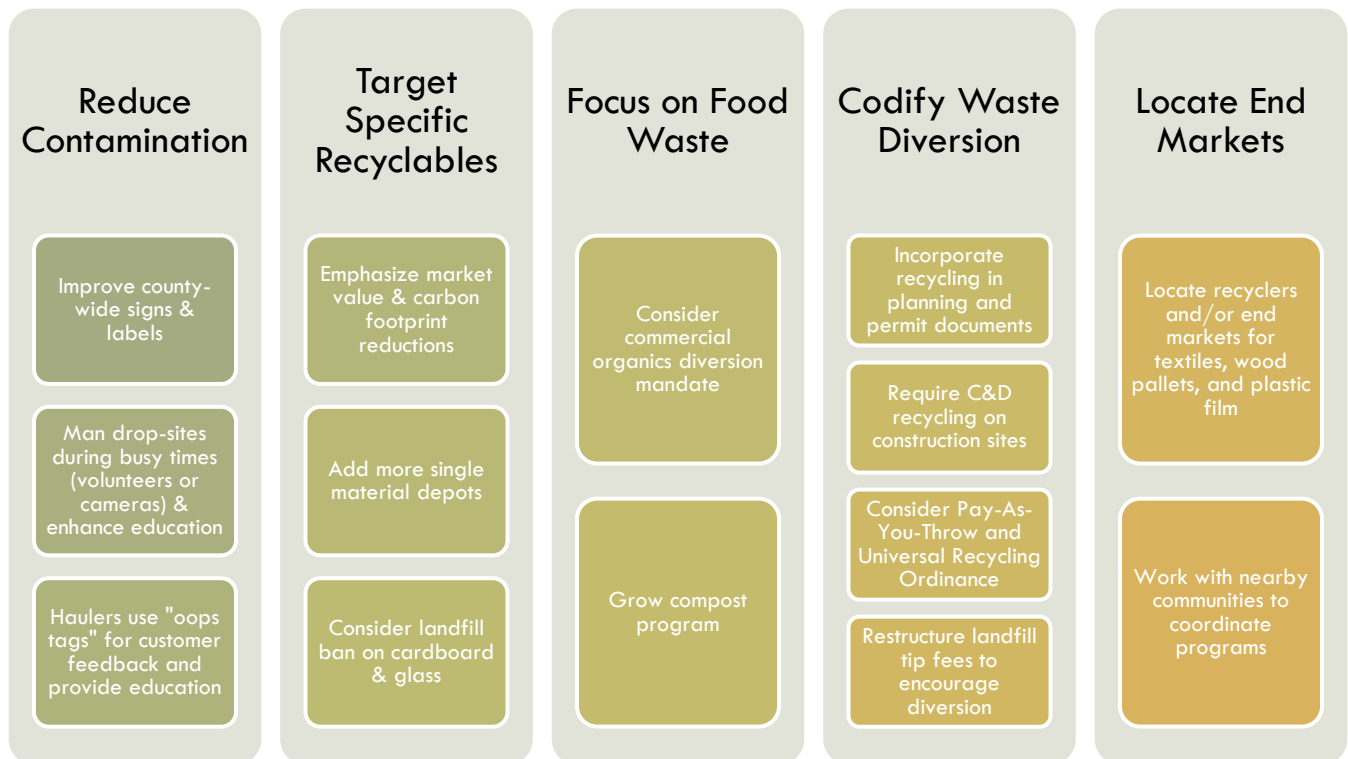
The Summit County Waste Diversion Study was funded through a grant from the Colorado Department of Public Health and Environment’s (CDPHE’s) Recycling Resources and Economic Opportunity (RREO) program. High Country Conservation Center (HC3) administered the study on behalf of Summit County government, and hired consultant Souder Miller & Associates (SMA), along with sub-contractors LBA Associates and A² Solutions, to lead the study. The primary objective was to examine how solid waste is currently managed and identify ways to increase waste diversion in Summit County. The study process entailed four primary activities, which are shown below in Figure 1. Data from these four activities are presented in this report and should be a resource for Summit County as it moves forward with developing waste diversion programs and goals.

Figure 1 – Study Process



The study identified five focus areas for which recommendations were made. The five focus areas and associated recommendations are highlighted below in Figure 2.

Figure 2 – Focus Areas and Recommendations



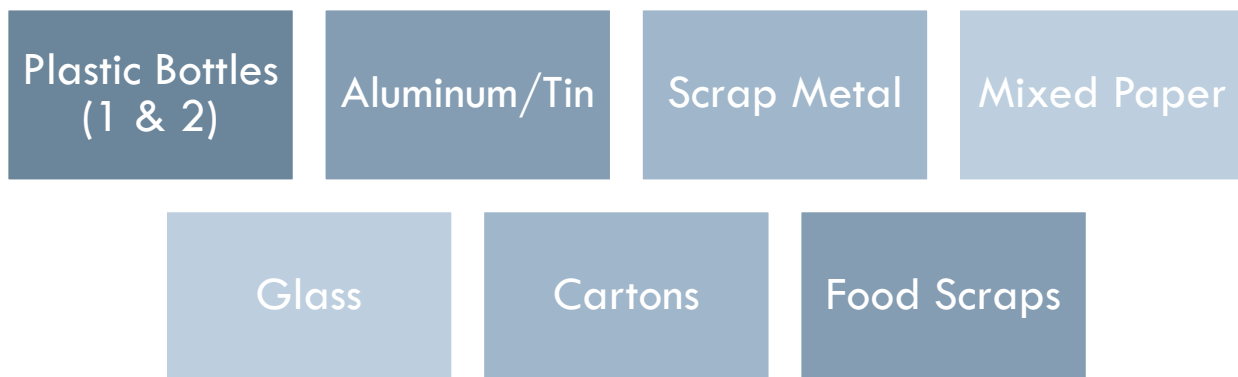
2.0 SOLID WASTE INFRASTRUCTURE & POLICIES

Summit County has one solid waste campus, the Summit County Resource Allocation Park (or SCRAP), which includes the landfill, a compost facility, materials recovery facility (MRF), household hazardous waste (HHW) collections, and a drop-off recycling center.

The landfill accepted approximately 55,800 tons of trash in 2018. Of that waste, it's estimated that roughly 30% is construction and demolition (C&D) debris, however C&D volumes are not formally tracked.

Summit County has three unstaffed drop-off centers for recyclables located in Breckenridge, Frisco and Dillon, and one coming online in Silverthorne in spring of 2020. Materials accepted at Summit County's drop sites are shown in Figure 3. Additionally, eight glass only depots have been placed around the communities.

Figure 3 – Materials Collected at SCRAP Drop-Off Centers



SCRAP's MRF processed approximately 4,497 tons of recyclables in 2018, 2,737 of which were source separated materials from the drop-off sites, and 1,760 of which was single-stream (minus glass) collected by haulers. Glass is excluded from single-stream because glass shards devalue other recyclables and damage equipment. While Summit County's MRF was designed to process only source separated materials, it is currently also used to bale single-stream for shipment to a Denver MRF for processing. Source separated materials on the other hand, are baled onsite and sold direct to markets. Glass is collected at drop-off sites and glass-only stations and transported to Denver for bottle to bottle recycling. Accepting single-stream at the MRF has presented challenges, such as space constraints, which sometimes result in source separated materials being combined with single-stream, baled, and hauled to Denver for processing.

SCRAP's compost facility feedstocks currently include biosolids, small amounts of food waste, and wood chips from slash. Approximately 9,138 tons of feedstock were composted in 2018. Summit's compost facility does not accept compostable service wear and packaging because they don't break down in the high-alpine environment, or compostable paper because it blows around, creating litter problems.

Approximately 215 tons of HHW and electronic waste (E-waste) were recycled in 2018 by Summit County's SCRAP facility.

Summit County currently has three full-service haulers, Timberline Disposal, Waste Management, and Summit Roll-offs. The haulers collectively provide curbside pickup of single-stream recyclables and source separated cardboard, which reportedly is combined with the single-stream. Clear Intentions offers commercial glass collection in Summit County. At least one hauler reported that they provide divided roll-offs for C&D recycling. All three haulers collect small amounts of commercial food waste for composting.

Summit County has a hauling ordinance, Hauling Ordinance 2A, which requires all haulers operating in Summit County to be licensed. The ordinance further requires that all waste generated in Summit County be hauled to the SCRAP facility, as the “Designated Disposal Site.” Municipalities in the county have also adopted this ordinance.

3.0 LOCATION & DEMOGRAPHICS

Summit County is in the Colorado Rocky Mountains, along the I-70 corridor, and includes three ski resorts. See Figure 5 on the following page for a location map. Figure 4 below lists the incorporated and unincorporated locations in Summit County.

Figure 4 – Summit County Locations

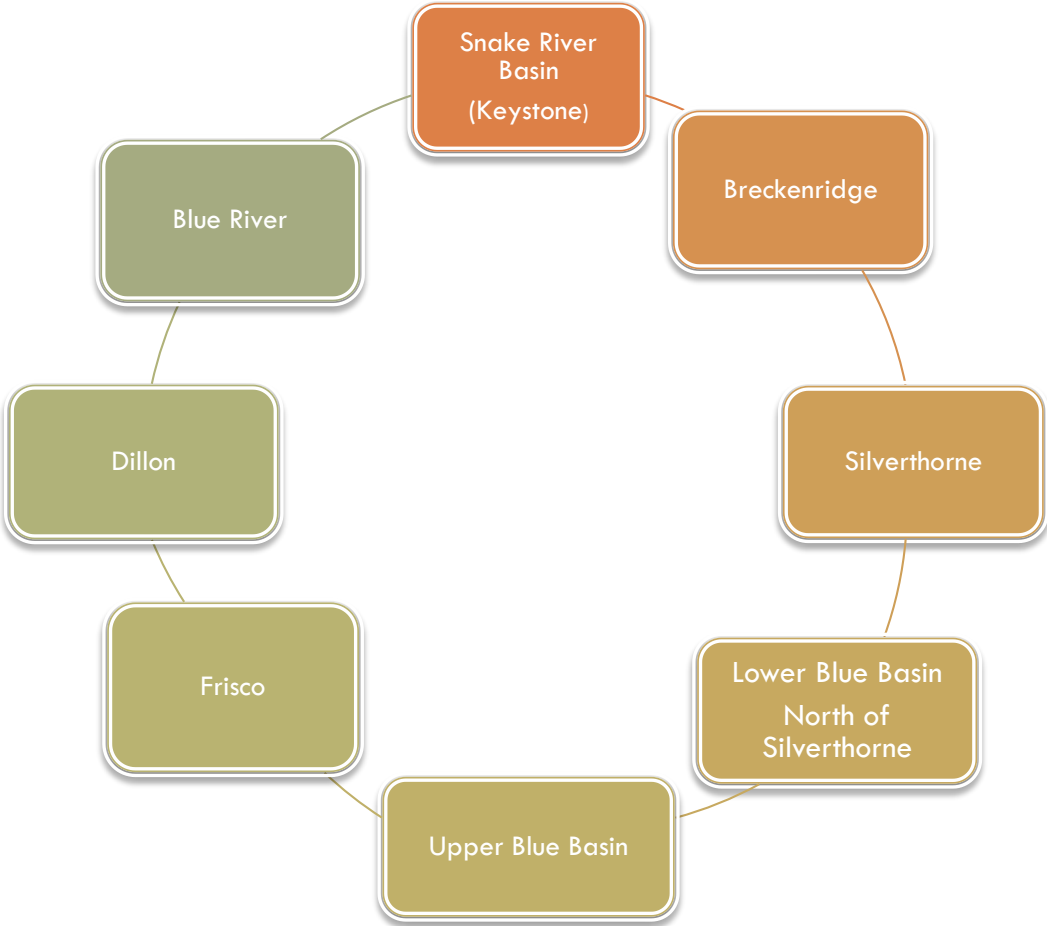
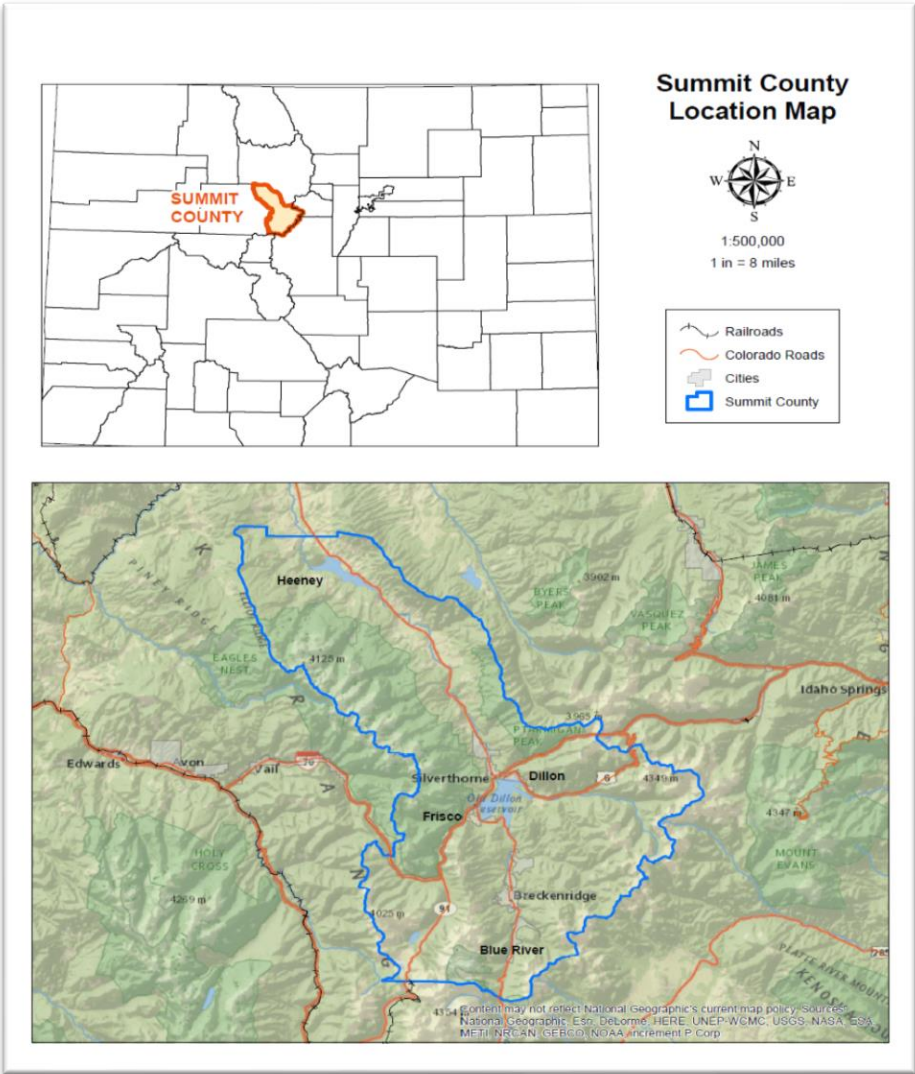


Figure 5 – Summit County Location Map



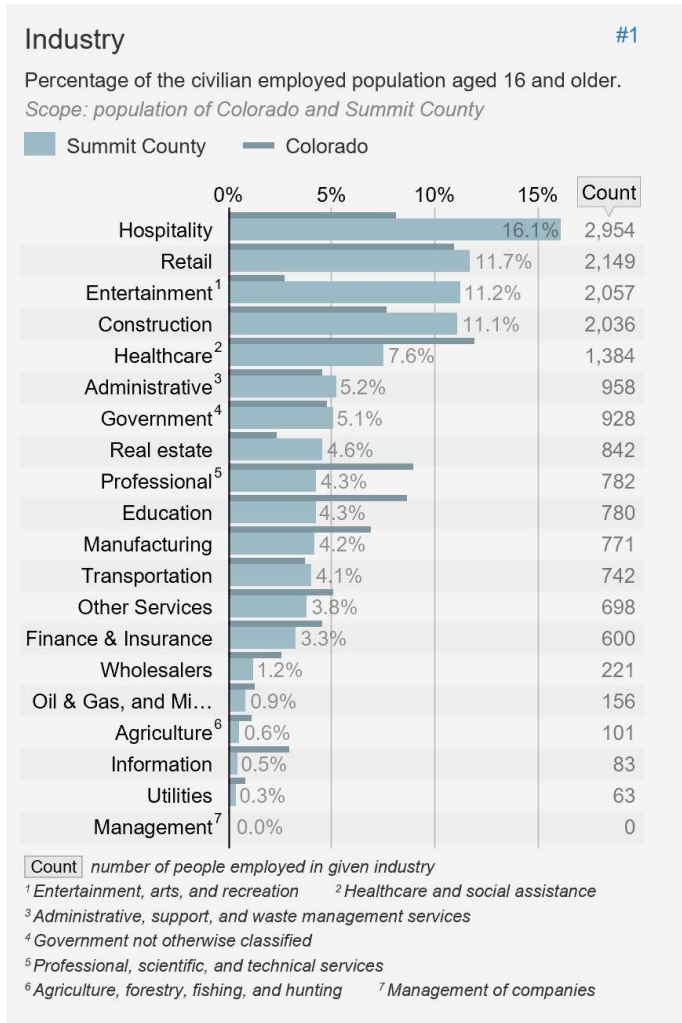
Population and median household income for Summit county are provided in Table 1, based on 2017 census data. Population and income statistics help to give an idea how much household waste is generated.

Table 1- County Demographics

SUMMIT COUNTY	
Population	31.0 k
Median Household Income	\$73.5 k

Figure 6 shows industry statistics for Summit County. This was taken from the Statistical Atlas website and is based on data from the US Census Bureau (2010 Census) and the 2012-2016 American Community Survey. Industry statistics help give an idea of the types and quantities of commercial waste generated in the county. The graphic also shows the percentage of each industry in greater Colorado, for comparison.

Figure 6 – Summit County Industries



Note:

- Hospitality is Summit County's top industry
- Retail, entertainment and construction are also prevalent at approximately 11% each
- Less healthcare, professional, education, and manufacturing compared to greater Colorado
- Very little oil & gas, utility and agriculture

<https://statisticalatlas.com/county/Colorado/Summit-County/Industries>

4.0 WASTE AUDIT DATA

4.1 Background

Two municipal solid waste (MSW) audits were conducted at the Summit County Landfill. These audits were conducted in accordance with the Colorado Department of Public Health & Environment's (CDPHE's) Municipal Solid Waste Regional Waste Audit Protocol and were led by SMA's Graham Cottle and A² Solution's Alicia Archibald. The three-day MSW audits were performed during tourist season (July) and off-season (September) for comparison. The objective of the audits was to identify materials in the county's municipal solid waste (MSW) stream that could potentially be diverted from landfill disposal.

Additionally, during both three-day sorts, at the end of the day, single-stream recyclables collected by haulers were sorted to determine contamination rates, as well as content. Single-stream sort results are discussed in Section 4.5. A one-day construction and demolition (C&D) audit was also performed and those results are discussed in Section 4.6.

4.2 Statistical Analysis

Statistical analysis was conducted on trash audit results to assess how well the samples could be expected to represent landfilled MSW in the region. This analysis can be found in Appendix A. The standard deviation measures how widely the values for each material vary around the weighted average of that material in the audit samples. A higher standard deviation is indicative of greater variation in samples; it is not unusual to see high deviations for MSW materials. A 90% confidence interval was also applied to reflect the range of values that the material weight is expected to fall within. A narrower confidence interval is typical of a larger number of samples, although this relationship is less noticeable when the underlying waste stream is highly variable (i.e., when standard deviations are high). The MSW audits measured a total of 29 samples during two different seasons.

NOTE: Results should not be construed as being definitively representative of the county waste stream. As infrastructure, economics and demographics change, all findings should be remeasured every few years.

4.3 MSW Waste Audit Results

The waste audit entailed two three-day sorts with samples collected from twenty-nine MSW trash loads at the landfill located in Dillon, CO. Prior to the sorts, a sampling plan was designed to collect loads from various locations based on population. Additionally, since waste data for Summit County Landfill indicates that the ratio of commercial waste to residential waste is roughly 50/50, sampling during the audit was intended to be 50% commercial and 50% residential. The



Photo taken during High Season MSW waste sort

final consideration for determining which loads to sort was the haulers; the sampling plan was designed to collect representative samples from each of the primary haulers. Details regarding the sample selection are presented below in the following tables. Table 2 presents samples collected during the high season sort in July, while Table 3 presents samples collected during the low season sort in September.

Table 2 – Sample Selection for High Season MSW Sort

SUMMIT COUNTY	Location	Load Type	Hauler	Number of Samples
7/9/19	Breckenridge	Residential	Waste Management	4
	Breck/Silverthorne/Blue River	Mixed	Timberline	
	Breckenridge	Mixed	Waste Management	
7/10/19	Silverthorne (Wilderness)/Frisco	Mixed	Waste Management	5
	Silverthorne/Dillon	Mixed	Timberline	
	Breckenridge	Mixed	Waste Management	
	Breckenridge	Mixed	Timberline	
	Silverthorne/Dillon	Mixed	Timberline	
7/11/19	Dillon	Commercial	Waste Management	5
	Frisco/Dillon	Mixed	Timberline	
	Dillon/Summit Cove/Keystone	Mixed	Timberline	
	Dillon	Commercial	Waste Management	
	Breckenridge	Commercial	Timberline	
Dillon	Commercial	Waste Management		

Sample details provided for locations are highlighted below:

- Breckenridge – businesses, multi-family units, residential
- Silverthorne – businesses, multi-family units
- Dillon – businesses, multi-family units, grocery store

Table 3 – Sample Selection for Low Season MSW Sort

SUMMIT COUNTY	Location	Load Type	Hauler	Number of Samples
9/16/19	Silverthorne (Wilderness)	Mixed	Waste Management	5
	Silverthorne/Frisco	Commercial	Timberline	
	Silverthorne/Summit Cove/Frisco	Mixed	Waste Management	
	Frisco	Mixed	Waste Management	
9/17/19	Silverthorne/Keystone	Mixed	Timberline	5
	Dillon	Residential	Timberline	
	Frisco	Mixed	Waste Management	
	Breckenridge	Commercial	Waste Management	
	Breckenridge	Commercial	Timberline	
9/18/19	Silverthorne/Dillon	Mixed	Waste Management	5
	Silverthorne	Mixed	Waste Management	
	Dillon/Silverthorne	Mixed	Timberline	
	Frisco	Mixed	Timberline	
	Breckenridge	Commercial	Timberline	
Silverthorne	Commercial	Timberline		

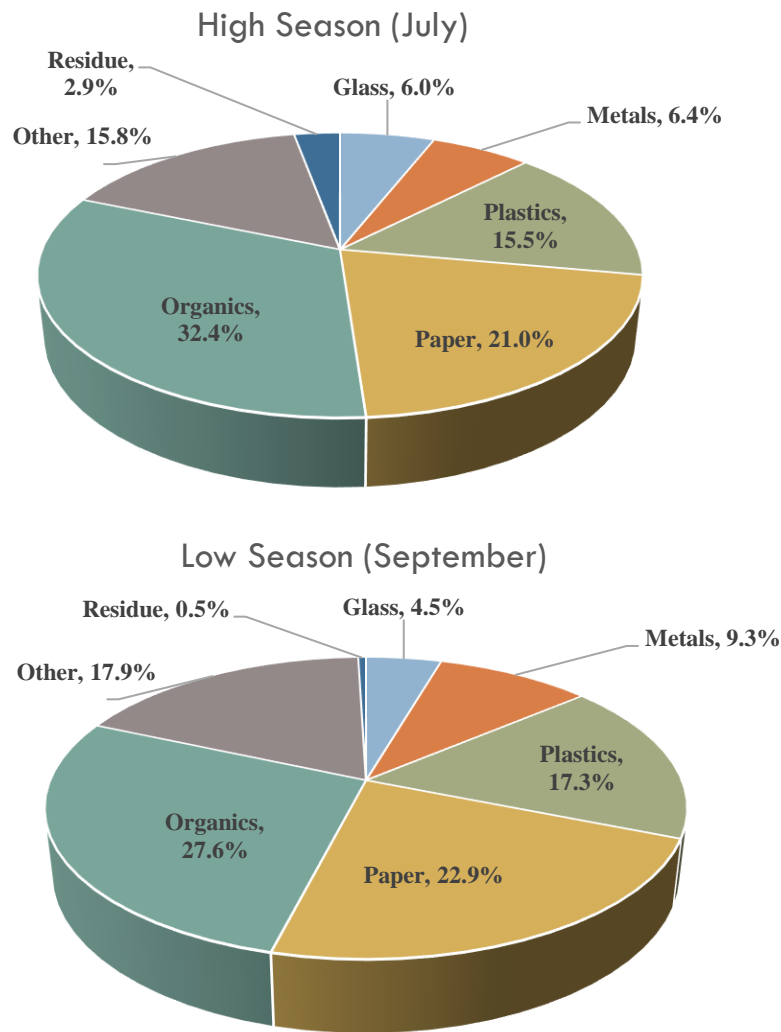
Sample details provided for locations are highlighted below:

- Silverthorne – residential, gas station, fast food, businesses, multi-family units, gas station, golf course, cafe
- Frisco – construction site, retail stores, multi-family units, gas station, fast food, businesses,
- Breckenridge – food service, retail, central
- Dillon – businesses, multi-family units

Samples from both three-day sorts had a combined weight of 6,563.5 pounds, for an average of 226.3 pounds per sample. Each approximate 226-lb. sample was sorted into 32 materials that were organized into seven primary categories. The audit results were aggregated for the county. The value for each category is expressed as a weighted average and reported as percent by weight. Each sample value was adjusted to reflect that sample's weight relative to the weight of all Summit County waste samples.

Figure 7 summarizes the percent by weight of Summit County's MSW composition by primary material categories. A list of each primary category's individual constituents is included in Appendix A.

Figure 7 – Summit County Waste Audit Results Grouped by Primary Category



NOTE: Figure 7 shows slight differences between high and low seasons for primary categories of wastes. Glass and organics are more prevalent during high season, as is expected.

Figure 8 below provides a comparison of Summit County’s MSW waste audit results to other rural Colorado MSW waste audit results. Rural Colorado data is provided by CDPHE and can be found in Appendix B. [CDPHE’s data](#) is based on similar studies in a variety of counties similar to Summit, such as Eagle, Mesa, Gunnison, Routt and Pitkin counties.

Figure 8 – Rural Colorado Data Compared to Summit County

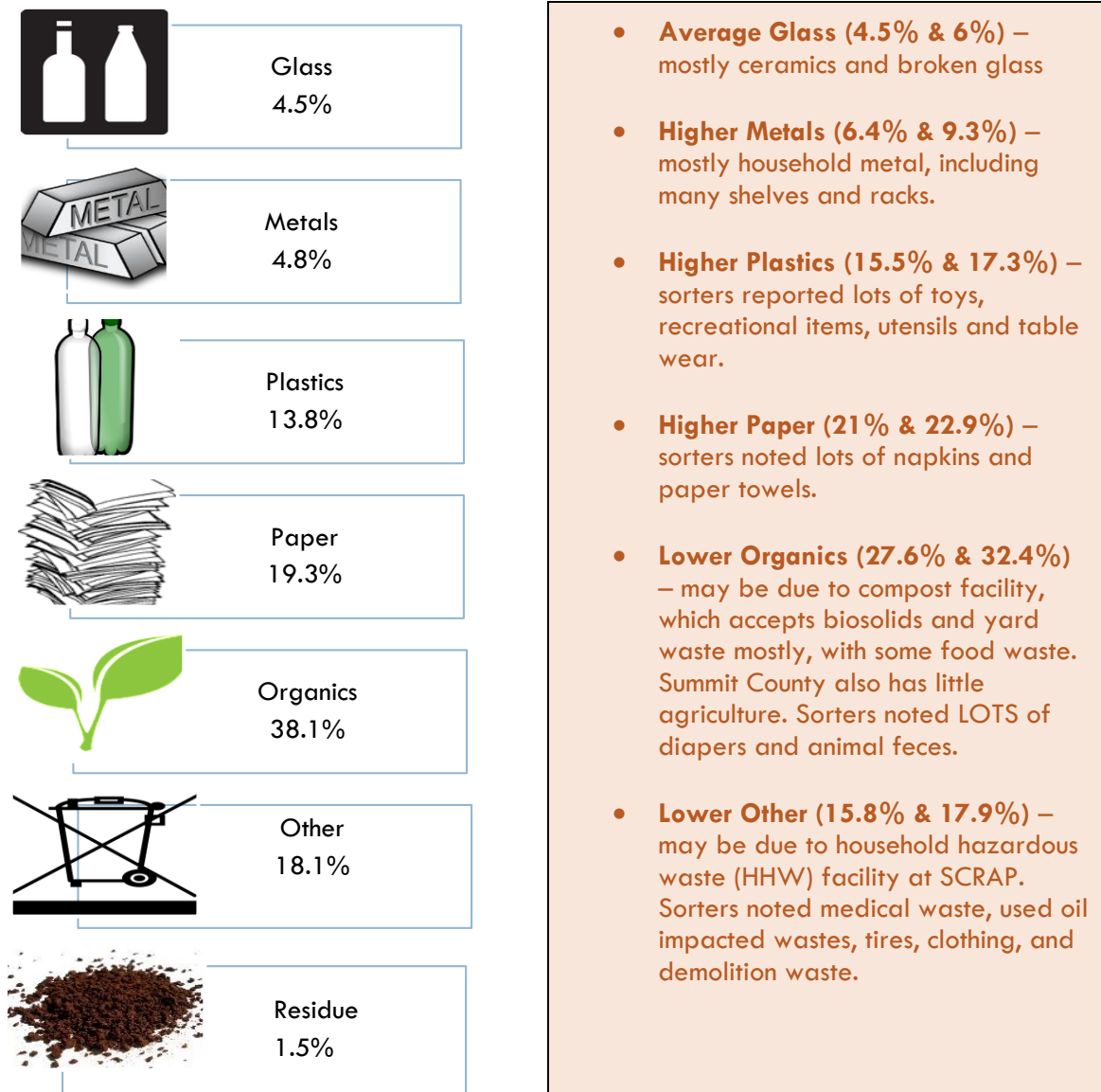
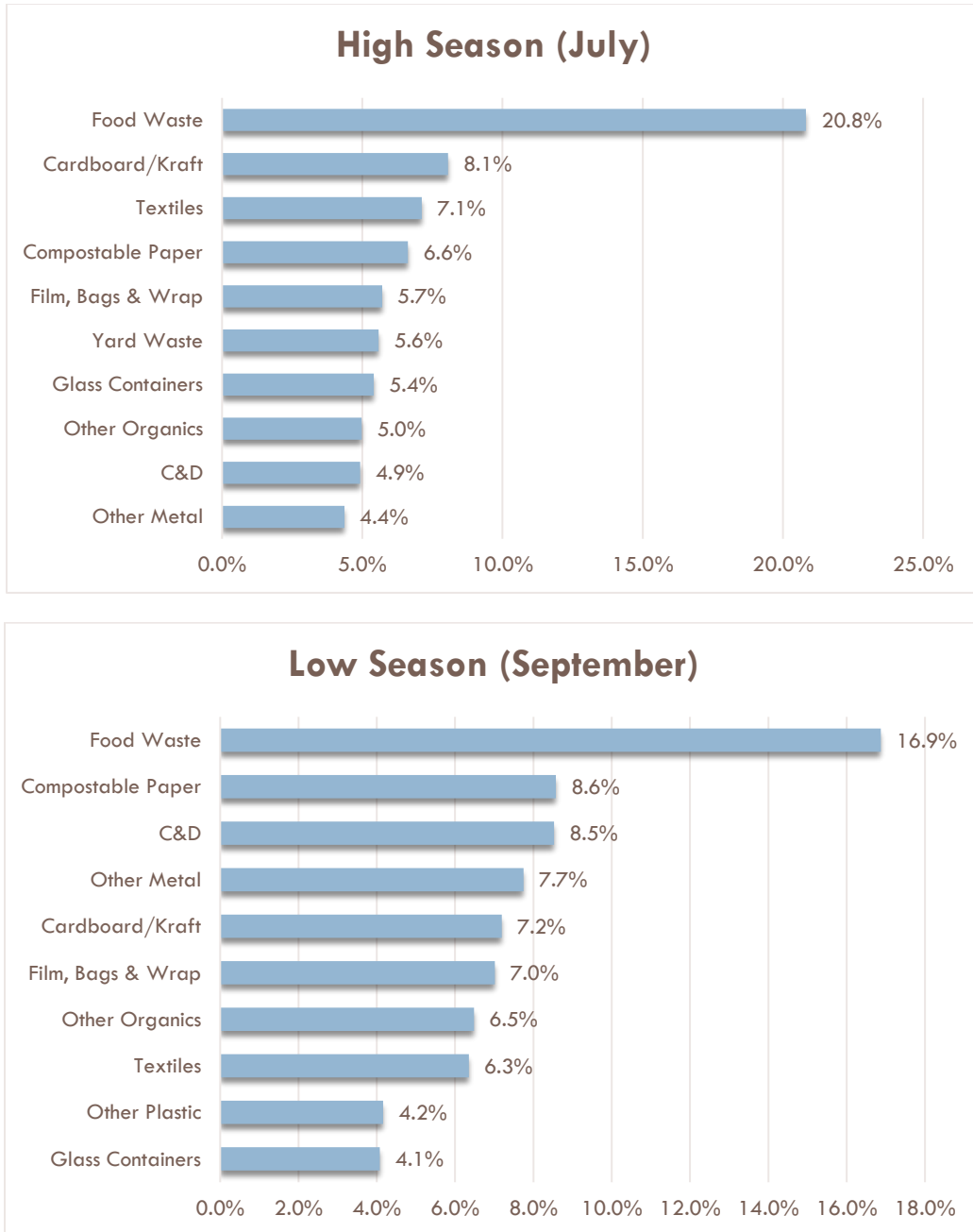


Figure 9 provides relative weights for the top 10 individual materials within the primary categories; these 10 materials represent 73.6% to 77% of all materials measured. The chart showing all 32 materials is provided in Appendix A.

Figure 9 – Summit County Ten Most Prevalent Materials

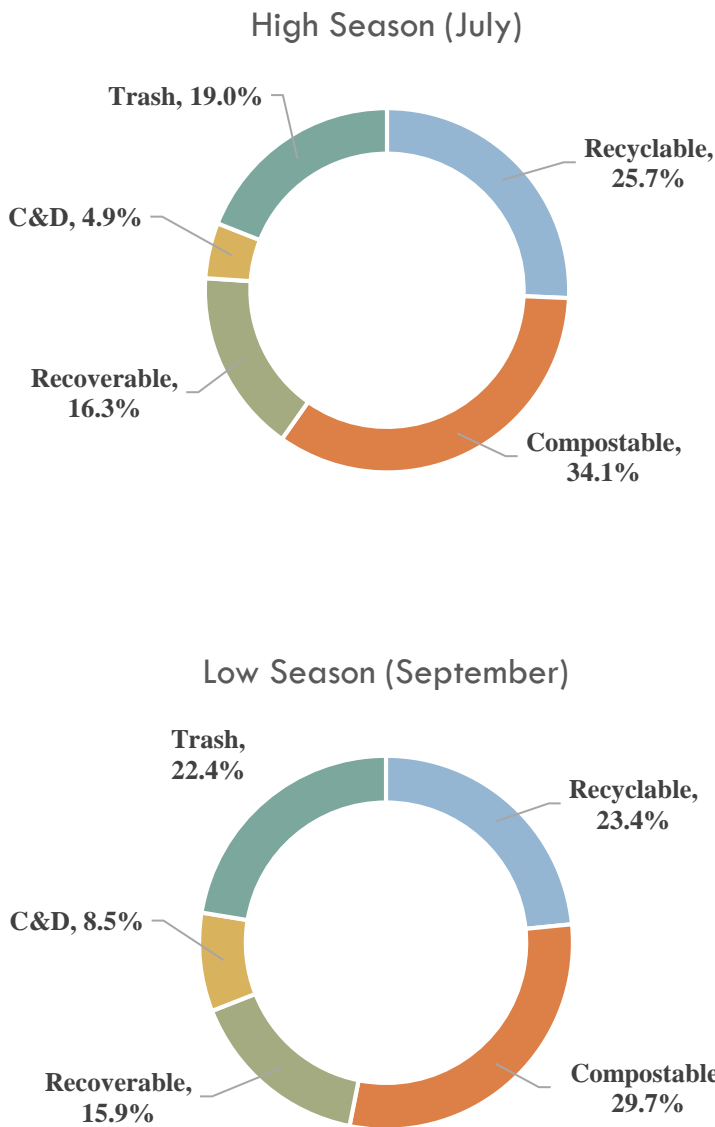


NOTE: Compostable paper and service wear are not accepted at Summit County’s compost facility because paper blows and causes litter problems and service wear don’t break down. Data from high and low season are mostly similar, with a few exceptions. Yard waste was top ten in July, but not in September. Construction and demolition debris and other metals are significantly higher in September than in July. These differences are more likely related to seasonality, than to tourism.

4.4 MSW Diversion Potential

Materials from the trash audit that could have been diverted from landfill disposal using typical reuse, recycling, or recovery programs are shown in Figure 10 below. The “Trash” category in this figure, at 19% to 22.4%, represents waste that could not be diverted. Materials listed as “Other” (Other Plastics, Other Paper, Other Organics, etc.) in Figure 9 are included in the Figure 10 “Trash” category since there’s currently no known diversion program available for those materials.

Figure 10 – Potential for Diversion through Recycling Programs



Findings:

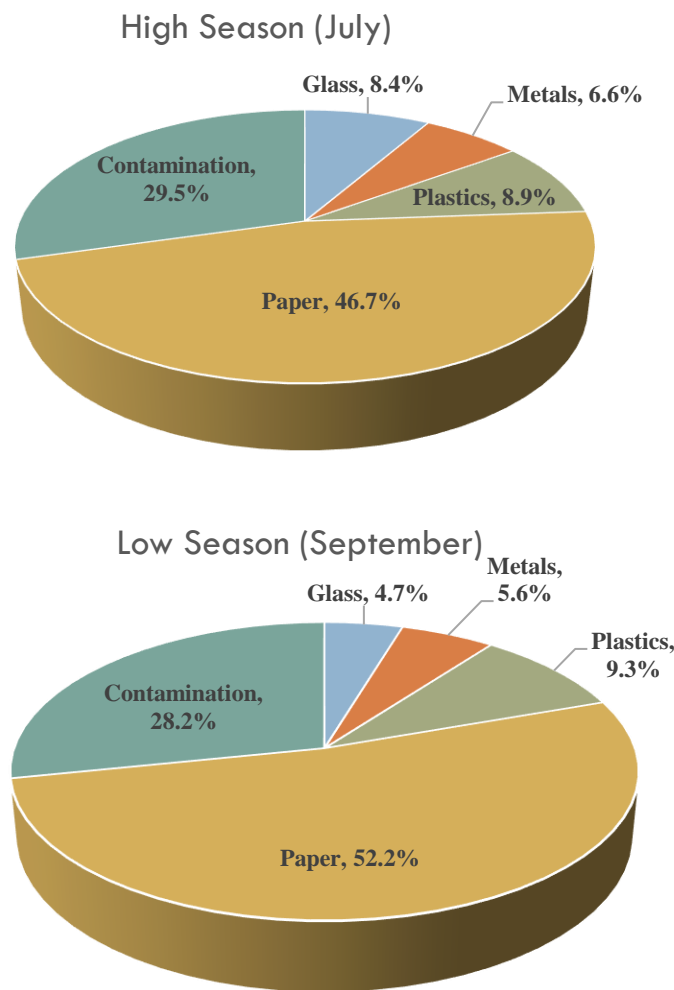
- **77.6% to 81% of materials** – could have been diverted using typical reuse, recycling, compost, or recovery programs, most of which are currently available in Summit County
- **25.7% & 23.4% recyclable** – glass, metals, plastic containers, and paper materials
- **34.1% & 29.7% compostable** – food waste, compostable paper, green waste and clean wood
- **16.3% & 15.9% recoverable** – materials having specific disposal guidelines and options other than landfilling – hazardous waste, batteries, electronics, paint, textiles, and motor vehicle waste
- **4.9% & 8.5% C&D** – construction and demolition waste that could be source separated and potentially reused, composted, or recycled

NOTE: Compostable paper is included in the Compostable category, however it is not composted in Summit County because it blows and causes issues with litter.

4.5 Single-Stream Recyclables Audit Findings

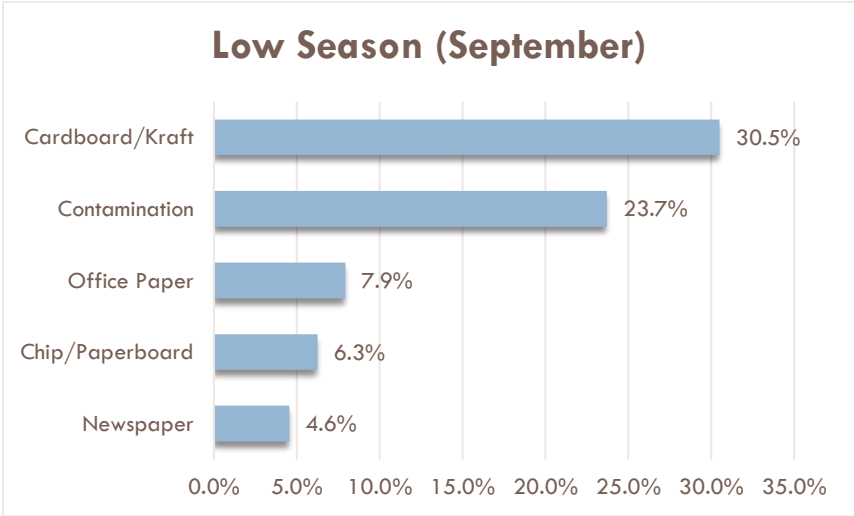
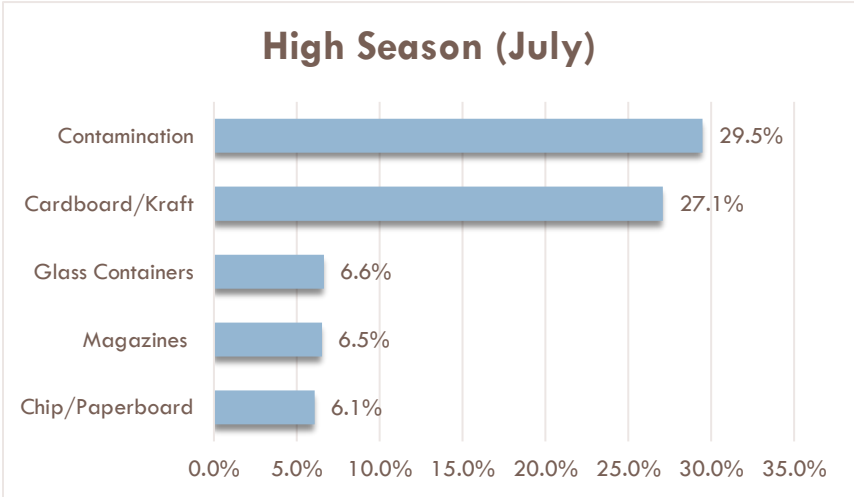
SCRAP's material recovery facility (MRF) was designed to process source-separated recyclables that are dropped-off by residents at three drop-off convenience centers in Summit County. Source separated recyclables from the convenience centers are baled and sold direct to markets. However currently, the MRF also receives single-stream recyclables, which are baled and hauled to a Denver MRF for processing. At the end of the days, during the three-day MSW audits, the sort teams audited single-stream recyclables to determine contamination rates and composition. Figure 11 shows compositions of the single-stream, while Figure 12 shows the top five materials found in the single-stream. Glass is not allowed in single-stream in Summit County, but can be recycled at the drop-off centers.

Figure 11 – Single-Stream Composition



NOTE: Data from high and low season are mostly similar. Glass is significantly higher during high season, while paper is slightly higher during low season. It's difficult to determine whether these differences are related to tourism. Also note that **glass is considered a contaminant in Summit County**, so contamination is **37.9%** during high season and **32.9%** during low season, which is **EXTREMELY HIGH**.

Figure 12 – Top 5 Materials in Summit County’s Single-Stream



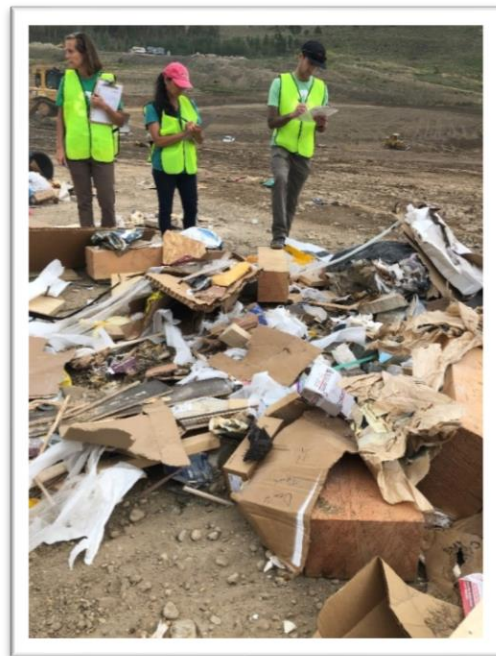
- CONTAMINATION:**
- Films & wrap
 - Wet paper
 - Plastic utensils
 - Compostable utensils
 - Food waste
 - Plastic bags
 - Yard waste
 - Hangers
 - C&D
 - To go containers/cups
 - Dirty containers

Recyclables Findings:

- **CONTAMINATION (29.5% & 23.7%)** – highest component during high season and second highest during low season **AND** this does not include **glass which is considered contamination in Summit County** and brings contamination levels even higher to **37.9% & 32.9%**
- **Glass Containers (6.6% & 3.5%)** – is consistently higher during high season (as also seen in MSW data)
- **Cardboard/Kraft (29.5% & 30.5%)** – is consistent year-round
- **Chip/Paperboard (6.1% & 6.3%)** – is consistent year-round
- **Paper/ Office, News & Magazines** – magazines are more prevalent during high season, while office and newspaper are more prevalent during low season

4.6 Construction & Demolition (C&D) Waste Audit Results

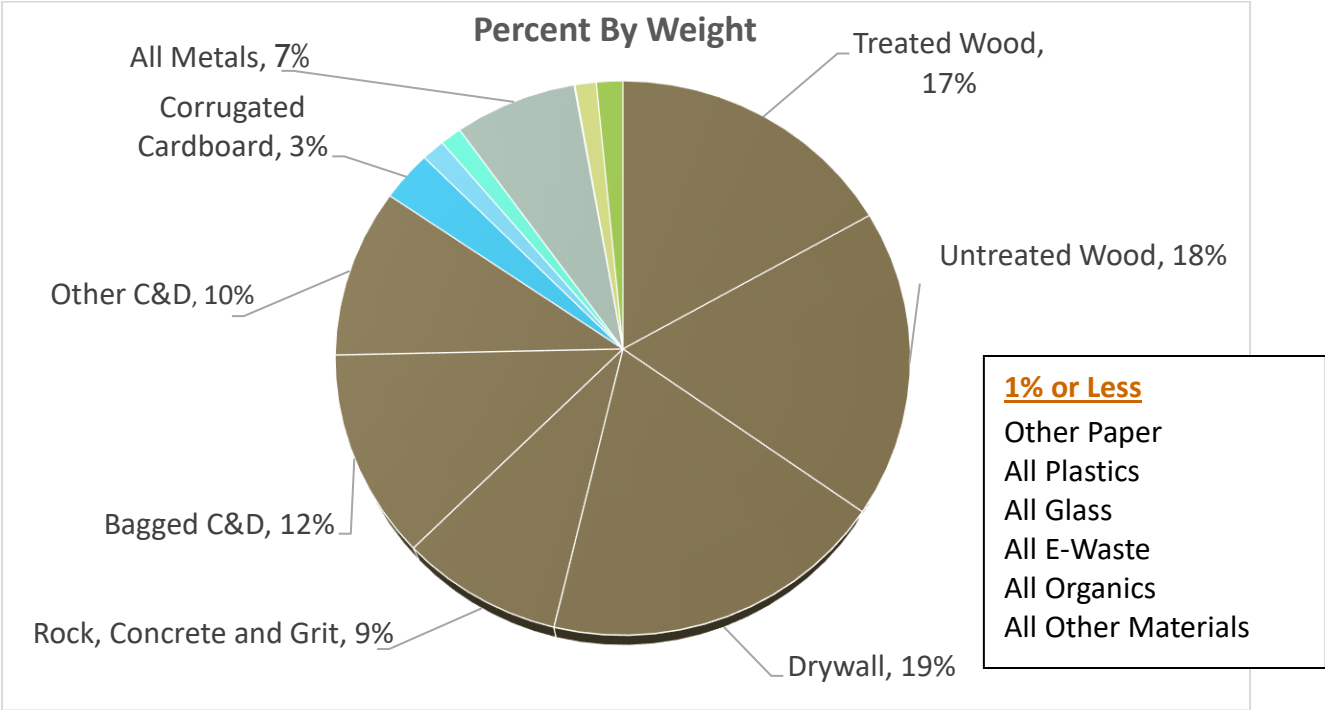
The C&D waste audit, led by Laurie Batchelder Adams of LBA Associates, was performed on August 1, 2019. Nine samples (loads), approximately 235 cubic yards (28 tons), of C&D waste was visually analyzed using a rigorous grid-based protocol. The samples were divided using a grid system and sorters estimated percentages of each material within each boundary. The field data was aggregated to determine cumulative volumes, and percent by weight for each C&D category was calculated using density factors obtained from various sources. The C&D audit data and protocol are provided in Appendix C.



Photos taken during C&D waste sort.

Figure 13 – C&D Waste Audit Percent by Weight Results

Note that C&D items, at 85% by weight, are grouped together by color, whereas items that are traditional recyclables and others, at 15%, are displayed using a unique color for each item.



C&D Diversion Potential (% by Weight):

- **18% Untreated wood** – primarily pallets that appeared to be in great shape and used minimally
- **9% Rock, Concrete & Grit** – mostly stone and brick
- **7% Metals** – sheet metal was noted
- **3% Cardboard** – clean material
- **37% Total Diversion Potential** – assuming 55,800 tons/year are landfilled at Summit County, and 30% of that waste is C&D loads (16,740 tons/year), potential to divert 6,194 tons/year (37% of 16,740) assuming the four materials above could be separated at C&D sites

5.0 STAKEHOLDER ENGAGEMENT

5.1 Stakeholder Meetings

Two stakeholder meetings were scheduled over the course of the study. Summit County's Zero Waste Task Force, which had previously organized to address waste issues in the county, attended the meetings. The Zero Waste Task Force includes members from the county, HC3, various communities, haulers, ski resorts, and other interested parties. The first stakeholder meeting included a presentation by SMA's Winn Cowman to kick-off the study, followed by a discussion facilitated by Laurie Batchelder Adams of LBA Associates. The second stakeholder meeting included a presentation of the study findings by Winn Cowman and discussions of the data and path forward. Minutes from both meetings are presented in Appendix D.

5.2 Community Survey

The community stakeholder survey was introduced during the kick-off meeting. The Zero Waste Task Force and public were asked to complete the online survey, which was sent electronically following the meeting using Survey Gizmo software. Stakeholders were asked to share the survey and invite as many people as possible to complete it. The survey questions were grouped into several sections and depending on how respondents answered the first question regarding their organization or entity, they were directed to pertinent sections of the survey. Approximately 585 people completed the survey. Only two full-service waste haulers completed the survey, 13 construction contractors, 11 restaurants/grocers, 51 businesses, 4 institutions, 52 government, and 452 citizens. For entities where the number of participants were small, percentages should be used with caution. Findings from each of the survey sections are highlighted below in Figures 14 through 19. The full survey report is provided in Appendix E.

Figure 14 – Survey Respondents

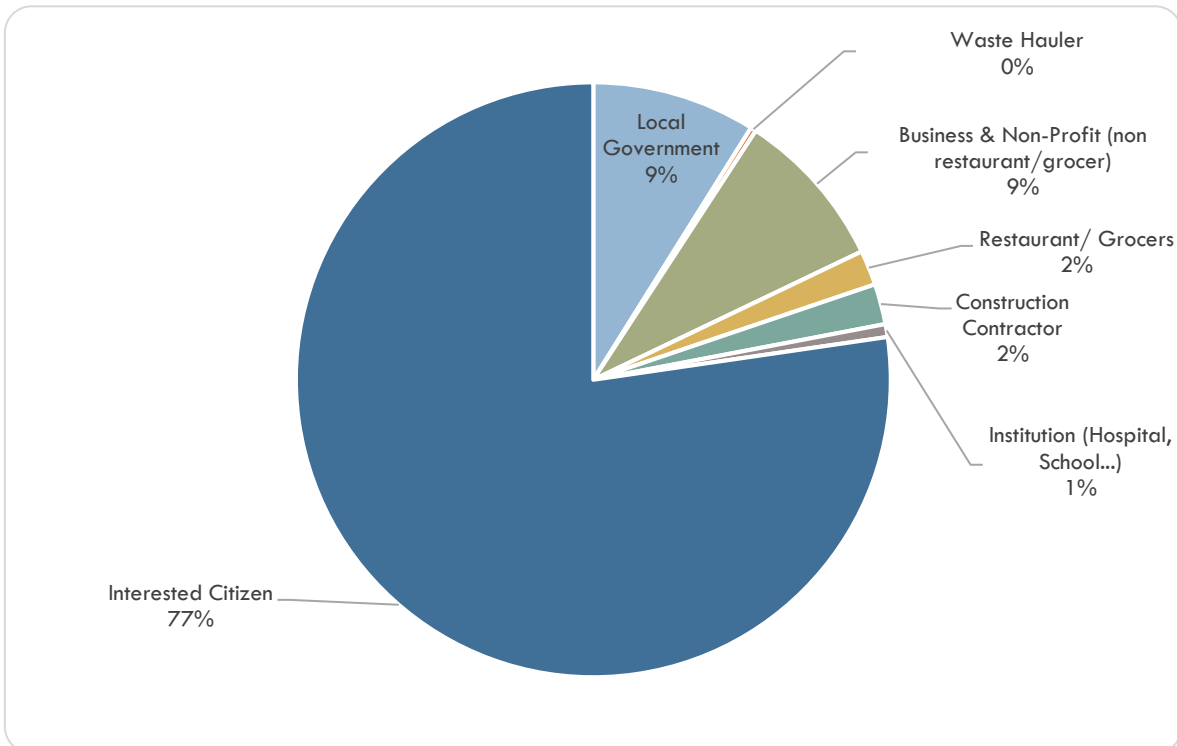


Figure 15 – Hauler Survey Highlights

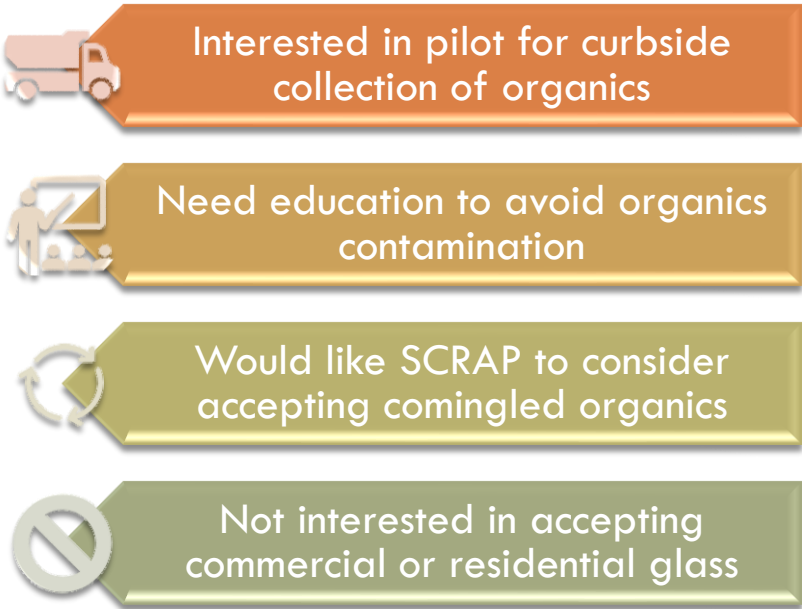


Figure 16 – Contractor Survey Highlights

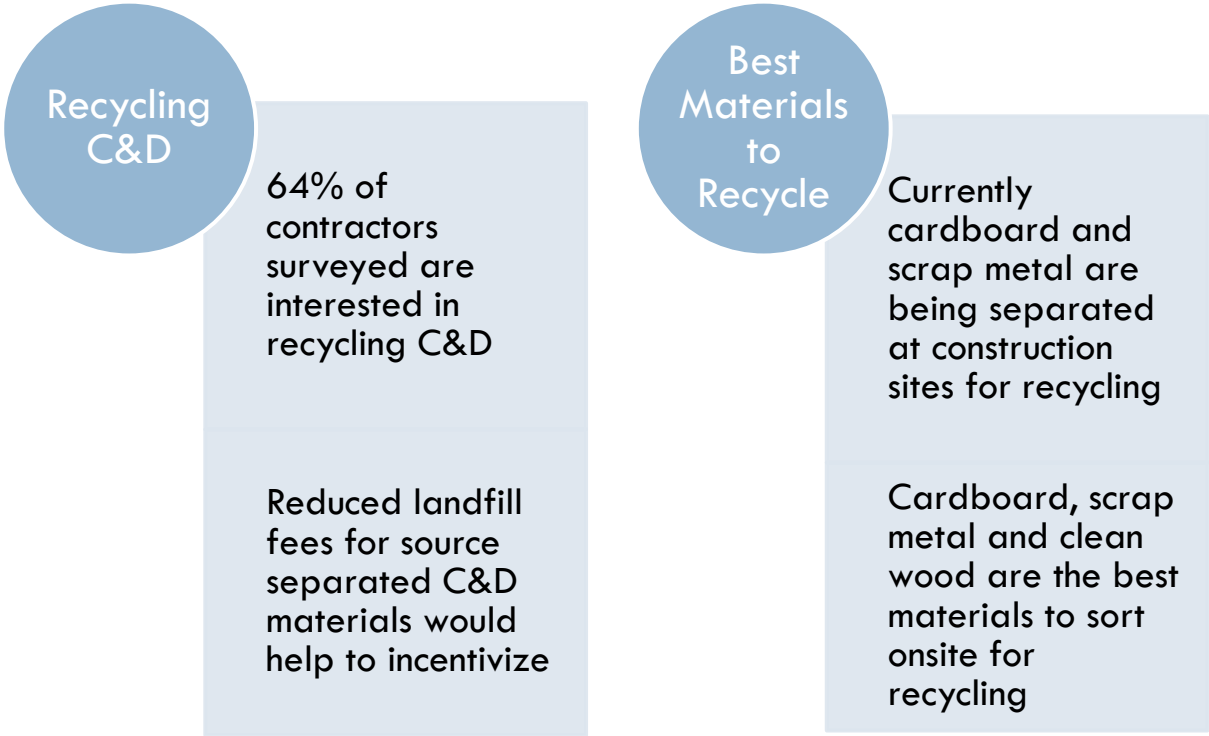


Figure 17 – Restaurant Survey Highlights



Figure 18 – Business Survey Highlights

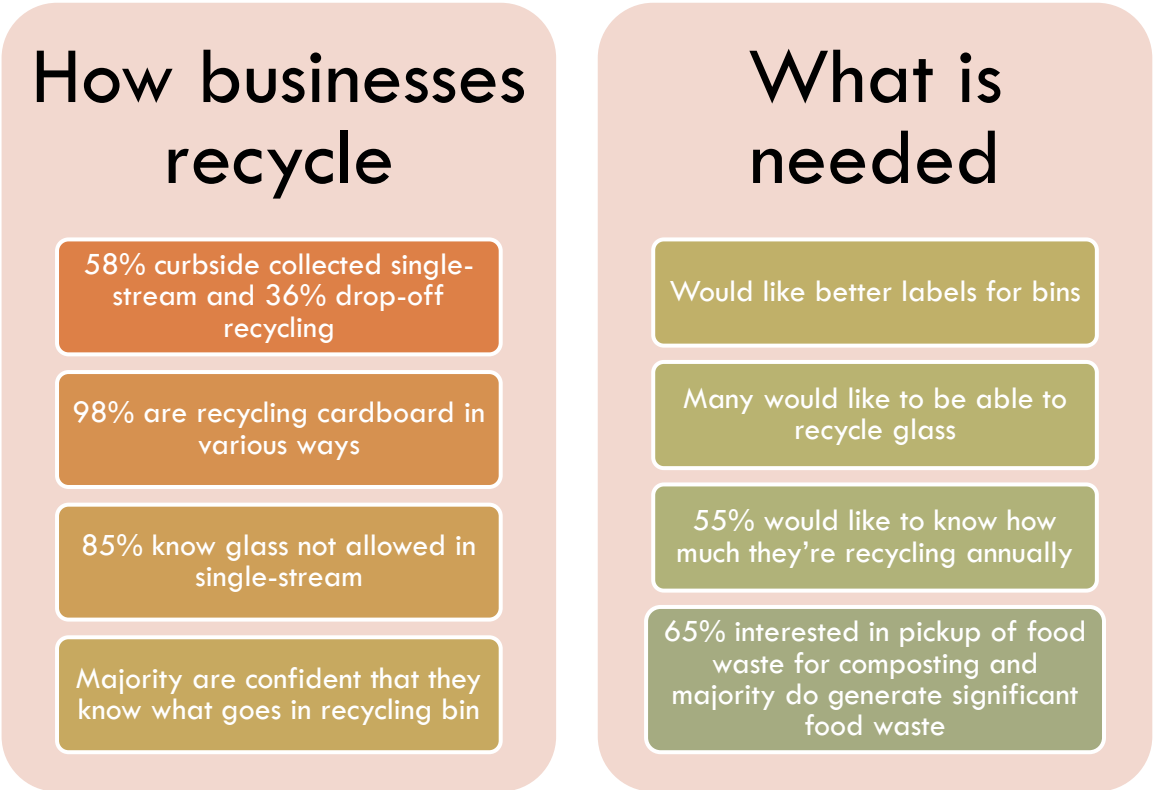
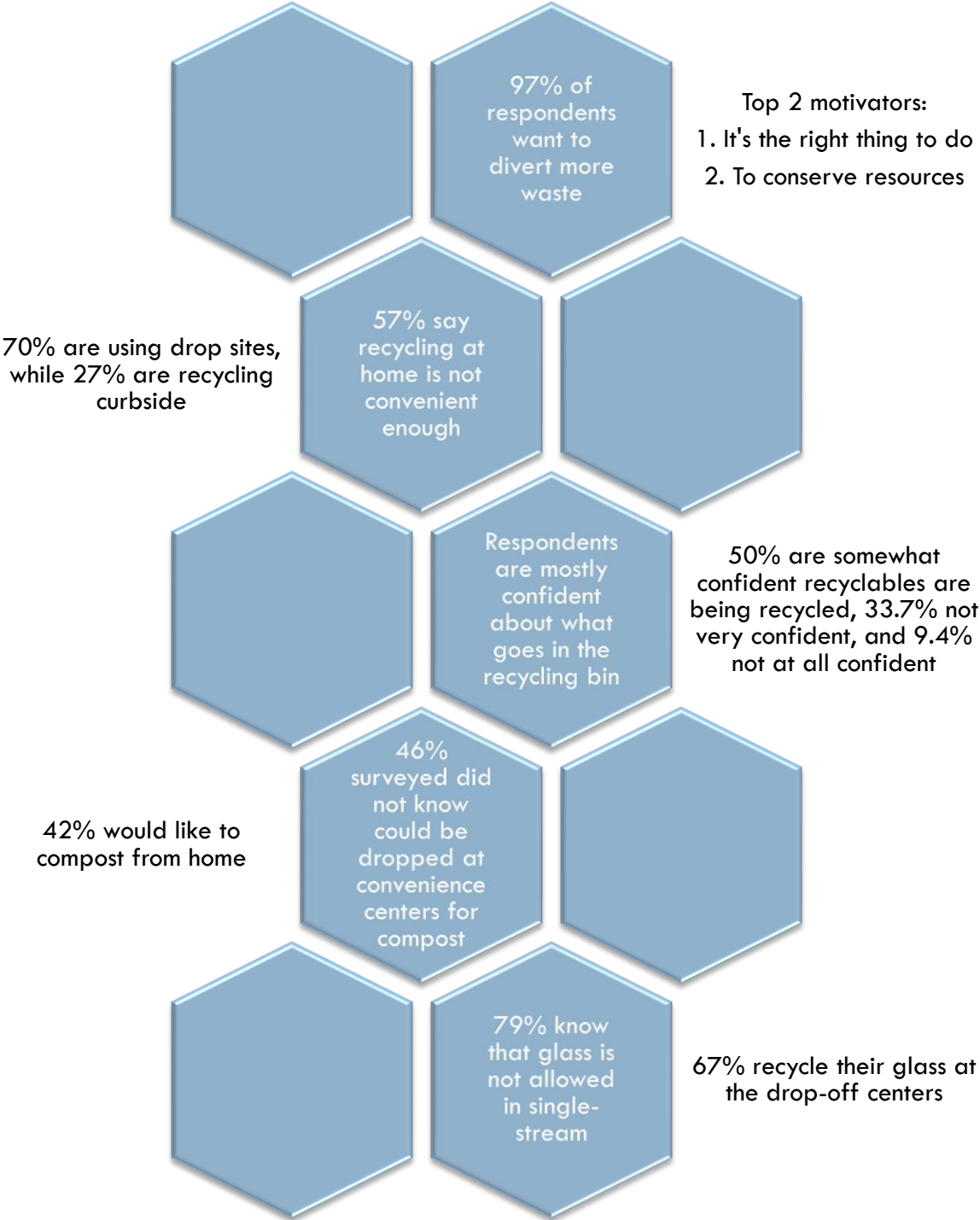


Figure 19 – Residential Survey Highlights



6.0 FUTURE INFRASTRUCTURE & POLICY NEEDS

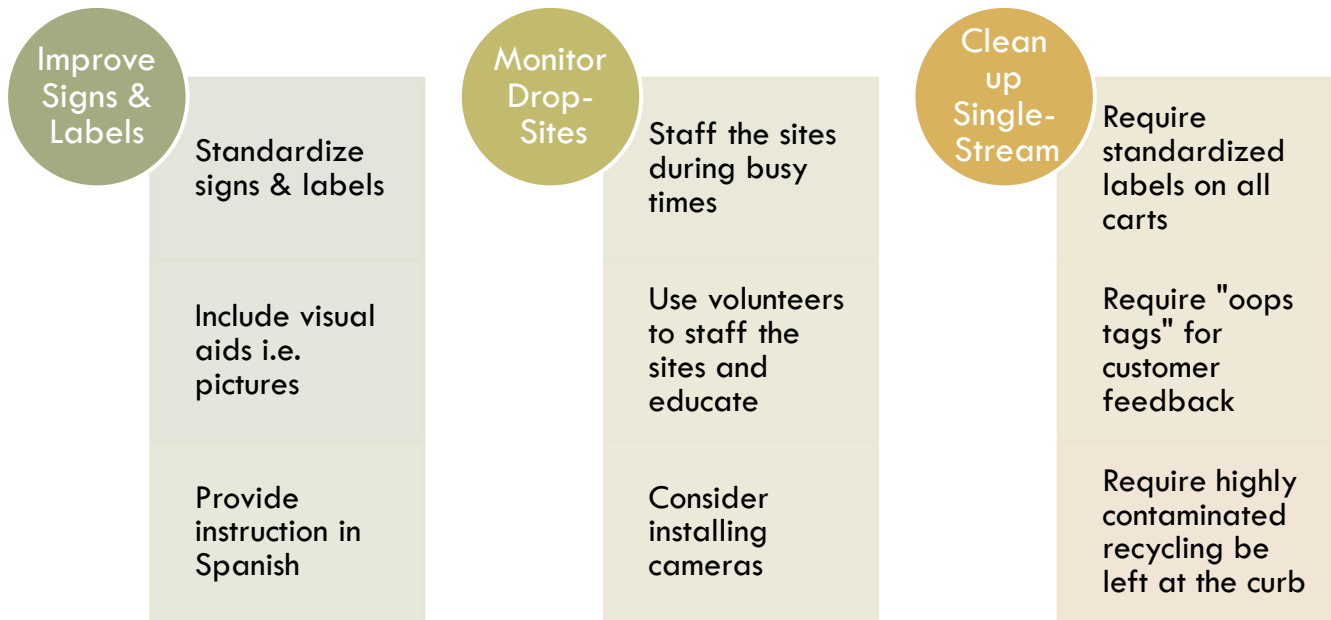
Summit County is making strides to improve waste diversion and has several exemplary programs. The County should focus on what is working well and build on those programs. Summit County’s Climate Action Plan has aggressive goals related to greenhouse gas (GHG) emission reductions and waste diversion, and it’s recommended that **emphasis also be placed on economics and participation rates**. A further **emphasis on quality over quantity** will help Summit County refine programming, and **simplify, to do fewer things better**.

Recommendations to help Summit County increase the quality and quantity of recycling are discussed in Sections 6.1 through 6.5 below. Education is an essential component of every recommendation. **As any program is rolled out, education should be included during program introduction and to support implementation.**

6.1 Reduce Contamination

In recent years, China’s Green Fence and National Sword policies have exposed pervasive recycling contamination issues. Summit County is no exception, with single-stream contamination rates reported as high as 38% including glass contamination. This is extremely high considering that average single-stream contaminant rates are estimated to be around 20%. While no sorting was performed on source separated recyclables in Summit County, many survey respondents reported seeing contamination at the drop sites, which seemed to negatively impact their confidence in Summit’s recycling programs. While anecdotally drop-site contamination is high in Summit County, it is likely less contaminated than single-stream. Figure 20 below offers strategies for reducing contamination.

Figure 20 – Strategies to Reduce Contamination



Single-stream is currently misaligned with County infrastructure. The County drop sites and MRF are set up to collect source separated recyclables. According to the survey, 70.4% of residents use the drop sites, while only 24.3% recycle single-stream. SCRAP records support this survey result, showing that 1,760 tons of single-stream were received at the MRF, while 2,737 tons of source separated recyclables were processed. Considering the above-mentioned single-stream contamination rate of 38% found during the recyclables audit, that further reduces the number of single-stream recyclables recycled to approximately 1,091 ton/year. That equates to roughly 30% of recycling via single-stream and 70% from the drop off centers, which aligns with the survey results. Additionally, handling single-stream at Summit County's MRF has made already problematic space constraints worse, to the extent that some source separated materials are having to be combined with heavily contaminated single-stream and shipped to Denver. **If Summit County plans to continue processing single-stream at the SCRAP MRF, the facility should be retrofitted to accommodate single-stream materials.** This may require additional equipment and space.

Summit County should **continue to encourage drop-site recycling** since it's popular with residents and it aligns with County infrastructure. Source separation is valuable because it reduces the carbon footprint of recyclables, thereby reducing greenhouse gas emissions. Source-separated materials are known to be much cleaner, so they typically have more value than single-stream recyclables.

6.2 Target Specific Recyclables

To make Summit County's programs more effective and economically sustainable, Summit County should **target recyclables with the most market value and lowest carbon footprint.** Cardboard and metals could be targeted since they currently have markets, while glass has a low carbon footprint with end markets in Colorado. One way to do this would be using **more material specific depots** throughout the community. Another option would be **landfill bans on items like cardboard and glass.** The ban could be phased in over the course of several years, beginning with larger businesses, then moving to smaller businesses and residential complexes, and eventually to single-family homes. This would send a clear message to businesses, residents, and visitors that these items must be recycled. While it's understood that these types of bans are difficult to enforce, Colorado has seen bans on other items, such as electronics, which over time lead to significant reductions and awareness that certain materials have value and should not be landfilled.

Figure 21 – Potential Targeted Recyclables



6.3 Focus on Food Waste

Food waste offers the greatest opportunity for waste diversion (other than C&D), as it is the highest single item in Summit County's MSW, at 29.8% and 16.9% by weight. Summit County recently added free residential food waste drop off at the recycling centers. This was previously a paid program, and since August when it became free, the program has increased from 150 paid subscribers to over 600 subscribers. SCRAP's compost facility is an exceptional program that is thriving, in part because of community buy-in.

Given that composting food waste is popular, Summit County could also consider **mandating that organics be diverted**. It's recommended that this be a commercial mandate and be phased in over several years with a focus on large commercial food waste generators. Diverting organics from landfill disposal will also help with Summit's Climate Action Plan goals since organics are a primary source of methane emissions from



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landfills. The global warming potential of methane is more than 25 times that of carbon dioxide over a 100-year period, consequently the impact of keeping food waste out of landfills is significant.

Summit County should **continue growing the compost program**, as it is popular with residents and will therefore have a high likelihood of continued success.

6.4 Codify Waste Diversion

An essential item that should be considered is **adding language to planning requirements and building permits** that requires integrating space for collection containers into building and infrastructure design. This would help improve multi-family unit (MFU) and commercial recycling and increase the overall accessibility and convenience of recycling going forward. **Recycling infrastructure at MFUs is essential because it serves a major untapped sector, Summit County's tourists, which tremendously increases the population.**

Language could also be added to building permits and planning documents that **require C&D recycling on construction sites**. However, end markets, or local uses, for C&D materials should be considered before adding this language.

Summit County's Strong Futures Funding and Climate Action Plan both **consider a Pay-As-You-Throw (PAYT) ordinance**, which provides a financial incentive to recycle and is known to increase recycling volumes. PAYT ordinances require that haulers offer several different sized trash containers with progressively higher fees for larger containers, assuming people will recycle more if their disposal, or hauling, fees are tied to the

amount of trash they produce. A PAYT financial incentive to recycle may increase participation rates by attracting citizens who aren't motivated to recycle by environmental benefits alone. PAYT ordinances are often tied to curbside single-stream, so it is **essential that education and enforcement be instituted alongside the ordinance**, to avoid increased recycling contamination issues. Another option is a **Universal Recycling Ordinance (URO)**, which requires that entities such as food establishments, commercial businesses and properties, and multi-family properties must provide recycling. PAYT and URO could be tied together as a single ordinance.

SCRAP should also consider **restructuring landfill tip fees** to encourage source separation and diversion of materials. This is particularly applicable to C&D materials that have other uses, or end markets. The survey showed that 64.3% of contractors surveyed would like to recycle more. Given that C&D materials are generally heavy, recycling C&D would have a significant impact on meeting Summit County's waste diversion goals. It is further recommended that SCRAP begin tracking C&D materials coming into the landfill, so they have an accurate estimate of how much C&D is disposed in Summit County.

6.5 Locate End-Markets

The number of textiles and plastic film found in Summit County's MSW during the waste sorts was significant. These items may present **opportunities for local end market development**. Consideration should be given to programs that nearby communities are implementing to help streamline and coordinate efforts, which saves on transportation costs, and reduces GHG emissions.



Another material that was prevalent in Summit County's C&D is wood pallets. No local outlet is known for wood pallets. Wood pallets could potentially have a local end market, such as reuse, or use at SCRAP's compost facility.

7.0 CONCLUSION

Summit County should be commended for their aggressive and comprehensive efforts around waste reduction and climate action. The core of Summit County's programs, like drop off recycling and composting, are working well. Focusing on those programs and simplifying to do fewer things better should result in increased buy-in and increased waste diversion.

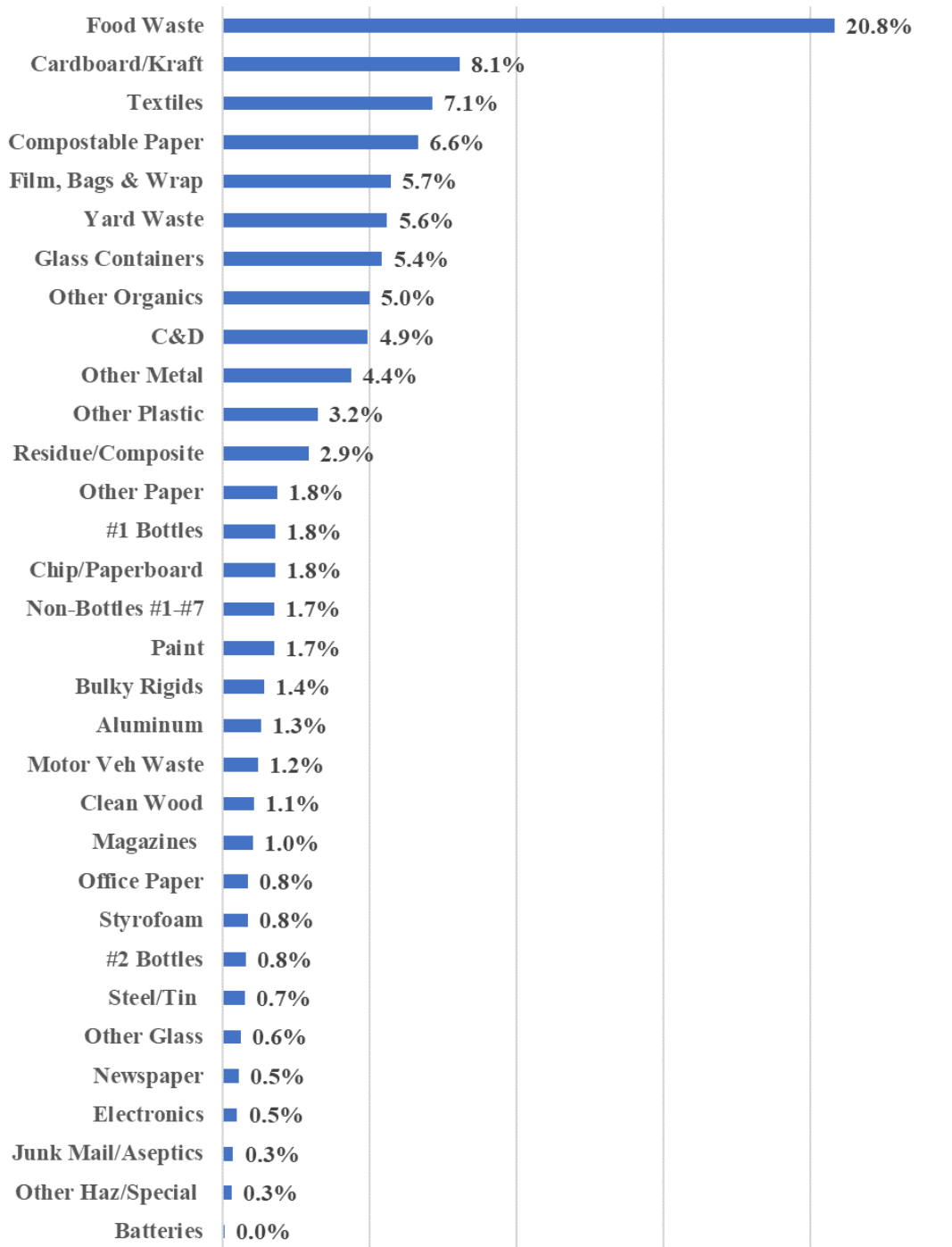
APPENDIX A

MSW & RECYCLABLES WASTE AUDIT DATA

HIGH SEASON MSW WASTE AUDIT (JULY)

MATERIAL	WEIGHTED AVERAGE	STANDARD DEVIATION	90% CONFIDENCE INTERVAL	
			Lower	Upper
Glass Containers	5.4%	4.3%	3.4%	7.4%
Other Glass	0.6%	1.1%	0.1%	1.1%
Total Glass	6.0%			
Aluminum	1.3%	0.8%	0.9%	1.7%
Steel/Tin	0.7%	0.8%	0.3%	1.1%
Other Metal	4.4%	6.7%	1.2%	7.5%
Total Metals	6.4%			
#1 Bottles	1.8%	1.0%	1.3%	2.3%
#2 Bottles	0.8%	0.5%	0.5%	1.0%
Non-Bottles #1-#7	1.7%	1.0%	1.3%	2.2%
Bulky Rigids	1.4%	1.8%	0.6%	2.2%
Film, Bags & Wrap	5.7%	1.4%	5.0%	6.4%
Styrofoam	0.8%	0.8%	0.5%	1.2%
Other Plastic	3.2%	1.4%	2.6%	3.9%
Total Plastics	15.5%			
Cardboard/Kraft	8.1%	8.7%	4.0%	12.2%
Newspaper	0.5%	0.5%	0.3%	0.8%
Office Paper	0.8%	1.7%	0.1%	1.6%
Chip/Paperboard	1.8%	1.2%	1.2%	2.3%
Junk Mail/Aseptics	0.3%	0.3%	0.2%	0.5%
Compostable Paper	6.6%	3.5%	5.0%	8.3%
Magazines	1.0%	1.3%	0.4%	1.6%
Other Paper	1.8%	1.0%	1.4%	2.3%
Total Paper	21.0%			
Food Waste	20.8%	9.5%	16.3%	25.3%
Yard Waste	5.6%	9.6%	1.0%	10.2%
Clean Wood	1.1%	1.5%	0.3%	1.8%
Other Organics	5.0%	3.6%	3.3%	6.7%
Total Organics	32.4%			
Textiles	7.1%	4.8%	4.8%	9.4%
Electronics	0.5%	0.7%	0.1%	0.8%
Batteries	0.0%	0.1%	0.0%	0.1%
Paint	1.7%	4.9%	-0.6%	4.1%
Motor Veh Waste	1.2%	4.3%	-0.8%	3.2%
C&D	4.9%	4.8%	2.7%	7.2%
Other Haz/Special	0.3%	1.1%	-0.2%	0.8%
Total Haz/Special	15.8%			
Residue/Composite	2.9%	2.2%	1.9%	3.9%
	100.0%			

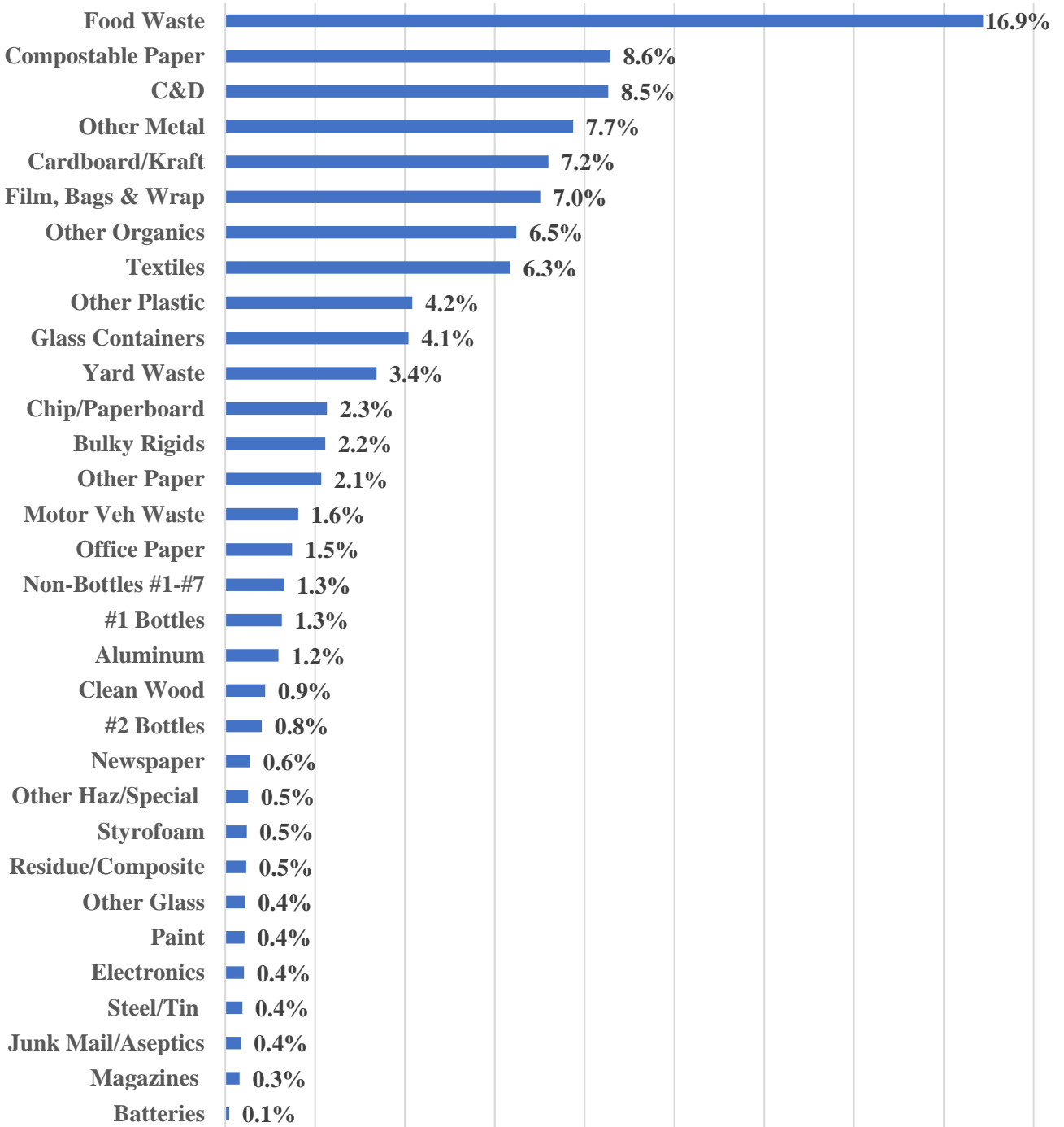
HIGH SEASON MSW WASTE AUDIT (JULY)



LOW SEASON MSW WASTE AUDIT (SEPTEMBER)

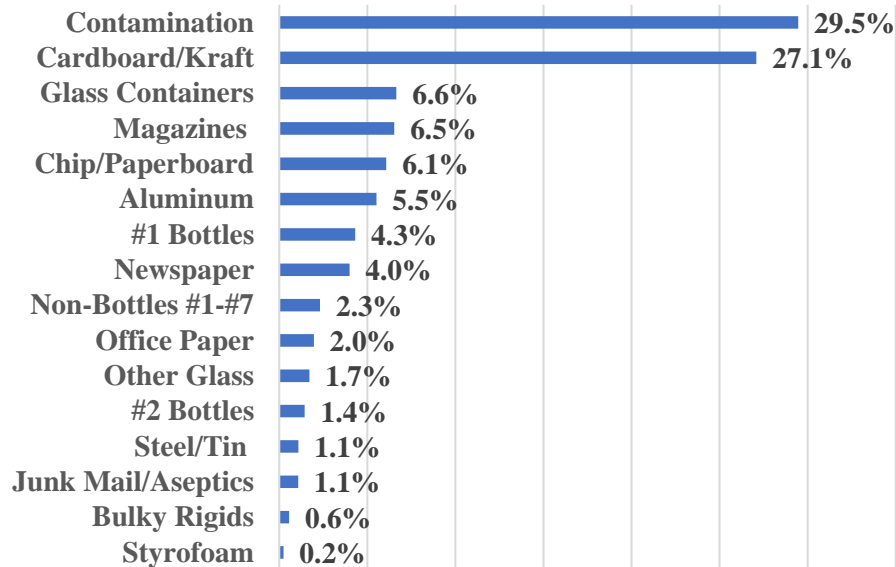
MATERIAL	WEIGHTED AVERAGE	STANDARD DEVIATION	90% CONFIDENCE INTERVAL	
			Lower	Upper
Glass Containers	4.1%	2.4%	3.0%	5.2%
Other Glass	0.4%	0.5%	0.2%	0.7%
Total Glass	4.5%			
Aluminum	1.2%	1.1%	0.7%	1.7%
Steel/Tin	0.4%	0.3%	0.2%	0.5%
Other Metal	7.7%	7.3%	4.4%	11.1%
Total Metals	9.3%			
#1 Bottles	1.3%	0.9%	0.9%	1.7%
#2 Bottles	0.8%	0.6%	0.5%	1.1%
Non-Bottles #1-#7	1.3%	0.6%	1.0%	1.6%
Bulky Rigids	2.2%	2.4%	1.1%	3.3%
Film, Bags & Wrap	7.0%	2.2%	6.0%	8.0%
Styrofoam	0.5%	0.2%	0.4%	0.6%
Other Plastic	4.2%	2.4%	3.1%	5.2%
Total Plastics	17.3%			
Cardboard/Kraft	7.2%	4.6%	5.1%	9.3%
Newspaper	0.6%	0.5%	0.3%	0.8%
Office Paper	1.5%	3.6%	-0.2%	3.1%
Chip/Paperboard	2.3%	1.2%	1.7%	2.8%
Junk Mail/Aseptics	0.4%	0.3%	0.2%	0.5%
Compostable Paper	8.6%	5.7%	6.0%	11.2%
Magazines	0.3%	0.4%	0.1%	0.5%
Other Paper	2.1%	1.2%	1.6%	2.7%
Total Paper	22.9%			
Food Waste	16.9%	5.8%	14.2%	19.5%
Yard Waste	3.4%	5.9%	0.7%	6.0%
Clean Wood	0.9%	1.8%	0.1%	1.7%
Other Organics	6.5%	9.4%	2.2%	10.7%
Total Organics	27.6%			
Textiles	6.3%	3.2%	4.9%	7.8%
Electronics	0.4%	1.0%	0.0%	0.9%
Batteries	0.1%	0.1%	0.0%	0.1%
Paint	0.4%	1.1%	-0.1%	0.9%
Motor Veh Waste	1.6%	4.7%	-0.5%	3.7%
C&D	8.5%	8.5%	4.7%	12.4%
Other Haz/Special	0.5%	1.8%	-0.3%	1.3%
Total Haz/Special	17.9%			
Residue/Composite	0.5%	0.3%	0.3%	0.6%
	100.0%			

LOW SEASON MSW WASTE AUDIT (SEPTEMBER)



HIGH SEASON SINGLE STREAM RECYCLABLES AUDIT (JULY)

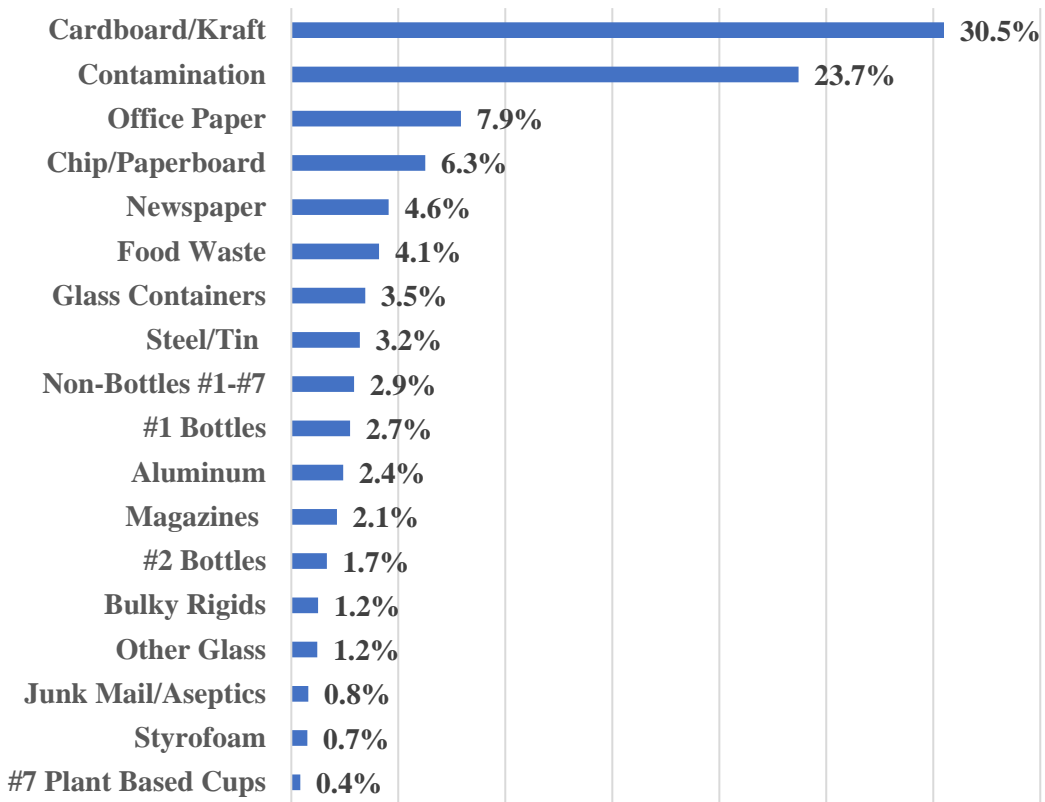
MATERIAL	WEIGHTED AVERAGE	STANDARD DEVIATION	90% CONFIDENCE INTERVAL	
			Lower	Upper
Glass Containers	6.6%	5.6%	1.3%	12.0%
Other Glass	1.7%	4.5%	-2.6%	6.0%
Total Glass	8.4%			
Aluminum	5.5%	4.2%	1.5%	9.6%
Steel/Tin	1.1%	0.5%	0.6%	1.5%
Total Metals	6.6%			
#1 Bottles	4.3%	1.9%	2.5%	6.1%
#2 Bottles	1.4%	0.8%	0.7%	2.2%
Non-Bottles #1-#7	2.3%	1.1%	1.2%	3.4%
Bulky Rigids	0.6%	1.0%	-0.4%	1.5%
Styrofoam	0.2%	0.2%	0.1%	0.4%
Total Plastics	8.9%			
Cardboard/Kraft	27.1%	4.6%	22.7%	31.5%
Newspaper	4.0%	3.6%	0.5%	7.5%
Office Paper	2.0%	1.2%	0.8%	3.1%
Chip/Paperboard	6.1%	2.8%	3.4%	8.8%
Junk Mail/Aseptics	1.1%	1.3%	-0.2%	2.3%
Magazines	6.5%	6.1%	0.7%	12.4%
Total Paper	46.7%			
Contamination	29.5%	11.2%	18.8%	40.1%
	100.0%			



LOW SEASON SINGLE STREAM RECYCLABLES AUDIT (SEPTEMBER)

MATERIAL	WEIGHTED AVERAGE	STANDARD DEVIATION	90% CONFIDENCE INTERVAL	
			Lower	Upper
Glass Containers	3.5%	4.4%	-0.2%	7.1%
Other Glass	1.2%	3.0%	-1.2%	3.6%
<i>Total Glass</i>	4.7%			
Aluminum	2.4%	1.8%	0.9%	3.9%
Steel/Tin	3.2%	4.5%	-0.5%	6.9%
<i>Total Metals</i>	5.6%			
#1 Bottles	2.7%	3.0%	0.2%	5.2%
#2 Bottles	1.7%	1.1%	0.8%	2.5%
Non-Bottles #1-#7	2.9%	3.3%	0.2%	5.6%
Bulky Rigids	1.2%	0.0%	0.0%	0.0%
Styrofoam	0.7%	1.1%	-0.2%	1.7%
<i>Total Plastics</i>	9.3%			
Cardboard/Kraft	30.5%	17.7%	16.0%	45.0%
Newspaper	4.6%	2.9%	2.1%	7.0%
Office Paper	7.9%	7.3%	2.0%	13.9%
Chip/Paperboard	6.3%	6.2%	1.2%	11.3%
Junk Mail/Aseptics	0.8%	1.2%	-0.2%	1.8%
Magazines	2.1%	2.3%	0.2%	4.1%
<i>Total Paper</i>	52.2%			
Food Waste	4.1%	11.9%	-5.7%	13.9%
Contamination	23.7%	11.4%	14.4%	33.0%
#7 Plant Based Cups	0.4%	1.1%	-0.5%	1.3%
<i>Total Contamination</i>	28.2%			
	100.0%			

LOW SEASON SINGLE STREAM RECYCLABLES AUDIT (SEPTEMBER)



APPENDIX B

CDPHE'S COLORADO WASTE AUDIT DATA



2018

Waste Composition of Municipal Solid Waste Disposal

MATERIAL	Rural County Avg.	Urban County Avg.	Colorado State Avg.	National Avg.
Glass Containers	3.7%	2.9%	3.5%	
Other Glass	0.8%	0.1%	0.7%	
Total Glass	4.5%	3.0%	4.2%	5.1%
Aluminum	1.0%	1.0%	1.0%	
Steel/Tin	1.3%	1.0%	1.2%	
Other Metal	2.5%	2.4%	2.5%	
Total Metals	4.8%	4.3%	4.7%	9.5%
#1 Bottles	1.9%	1.2%	1.7%	
#2 Bottles	1.5%	1.1%	1.4%	
Rigid #3-#7	1.3%	0.8%	1.1%	
Film, Bags & Wrap	3.4%	4.2%	3.5%	
Other Plastic	5.8%	4.1%	5.4%	
Total Plastics	13.8%	11.4%	13.2%	18.9%
Cardboard/Kraft	6.6%	6.2%	6.5%	
Newspaper	1.2%	2.2%	1.4%	
Office Paper	1.6%	1.4%	1.6%	
Chip/Paperboard	2.8%	1.6%	2.5%	
Junk Mail/Aseptics	1.5%	1.6%	1.5%	
Magazines	1.6%	1.2%	1.6%	
Other Paper	3.9%	5.7%	4.3%	
Total Paper	19.3%	19.1%	19.2%	13.3%
Food Waste	19.9%	12.5%	18.2%	22.0%
Yard Waste	10.1%	11.8%	10.5%	7.8%
Clean Wood	0.7%	1.6%	0.9%	8.0%
Other Organics	7.5%	7.9%	7.6%	
Total Organics	38.1%	33.8%	37.1%	37.8%
Textiles	5.8%	4.2%	5.4%	7.6%
Electronics	1.0%	2.2%	1.3%	
Batteries	0.3%	0.1%	0.2%	
Paint	0.0%	0.0%	0.0%	
Motor Veh Waste	1.0%	0.4%	0.8%	
C&D (non-industrial)	8.6%	8.4%	8.6%	
Other HHW/Special	2.1%	0.4%	1.7%	
Total Other	18.1%	15.6%	17.5%	10.9%
Waste/Residue	1.5%	13.3%	4.2%	4.5%
Recyclable			32.4%	46.8%
Compostable			37.1%	37.8%
Recoverable			26.4%	10.9%
Waste			4.2%	4.5%

For more information about regional studies funded by CDPHE, please visit the [RREO Program webpage](#)

APPENDIX C

C&D WASTE AUDIT DATA & AUDIT STRATEGY

C&D WASTE AUDIT DATA

Material Category	Weighted Average (% by volume)	90% Confidence Interval		Estimated Total Volume (cy)	Average Density (lbs/cy)	Estimated Total Weight (lbs)	Weighted Average (% by weight)	90% Confidence Interval	
		Lower Bounds	Upper Bounds					Lower Bounds	Upper Bounds
Treated Wood	21.8%	12.3%	31.4%	51.3	169	8,669	16.9%	9.5%	24.2%
Untreated Wood	23.3%	14.5%	32.0%	54.6	169	9,230	17.9%	11.2%	24.7%
Carpet & Padding	0.9%	-0.4%	2.2%	2.2	105	226	0.4%	-0.2%	1.1%
Drywall	8.9%	-6.8%	24.6%	20.9	467	9,742	18.9%	-14.6%	52.5%
Asphalt Paving	0.0%	0.0%	0.0%	0.0	773	0	0.0%	0.0%	0.0%
Roofing Shingles	0.5%	-0.3%	1.3%	1.2	731	841	1.6%	-0.9%	4.2%
Fiberglass - insulation	1.3%	-0.1%	2.6%	3.0	17	51	0.1%	0.0%	0.2%
Fiberglass - rigid	1.9%	0.7%	3.1%	4.5	30	135	0.3%	0.1%	0.4%
Rock, Concrete and Grit	2.3%	0.4%	4.1%	5.3	860	4,558	8.9%	1.5%	16.2%
Bagged C&D Debris	3.1%	1.0%	5.1%	7.2	860	6,207	12.1%	4.0%	20.1%
Vinyl Flooring	1.5%	-0.6%	3.5%	3.4	417	1,426	2.8%	-1.1%	6.6%
Tiles	0.8%	0.2%	1.4%	2.0	860	1,699	3.3%	0.9%	5.7%
Cement Board	0.6%	-0.4%	1.7%	1.5	467	701	1.4%	-0.8%	3.6%
Total C&D Debris	66.8%						84.5%		
Furniture	0.0%	0.0%	0.0%	0.0	100	0	0.0%	0.0%	0.0%
Mattresses	0.0%	0.0%	0.0%	0.0	100	0	0.0%	0.0%	0.0%
Total Furniture	0.0%						0.0%		
Corrugated Cardboard	12.3%	7.1%	17.5%	28.9	53	1,530	3.0%	1.7%	4.2%
Other Paper	0.9%	0.1%	1.7%	2.1	323	688	1.3%	0.2%	2.5%
Total Paper	13.2%						4.3%		
Film	2.6%	1.1%	4.0%	6.0	35	210	0.4%	0.2%	0.6%
Polystyrene Foam	1.2%	0.4%	2.0%	2.8	32	90	0.2%	0.1%	0.3%
Rigid Plastics	4.5%	0.5%	8.4%	10.5	30	314	0.6%	0.1%	1.1%
PVC Pipe	0.4%	0.0%	0.8%	0.9	30	27	0.1%	0.0%	0.1%
Total Plastics	8.6%						1.2%		
Major Appliances	0.0%	0.0%	0.0%	0.0	145	0	0.0%	0.0%	0.0%
HVAC Ducting	0.0%	0.0%	0.0%	0.0	47	0	0.0%	0.0%	0.0%
Steel Cans	0.0%	0.0%	0.0%	0.0	125	0	0.0%	0.0%	0.0%
Other Ferrous	6.7%	1.9%	11.5%	15.7	225	3,539	6.9%	1.9%	11.8%
Other Non-Ferrous	0.2%	-0.1%	0.6%	0.5	225	113	0.2%	-0.1%	0.6%
Total Metal	6.9%						7.1%		
Glass Containers	0.0%	0.0%	0.0%	0.0	380	0	0.0%	0.0%	0.0%
Paned Glass	0.0%	0.0%	0.0%	0.0	4300	0	0.0%	0.0%	0.0%
Total Glass	0.0%						0.0%		
Computers	0.0%	0.0%	0.0%	0.0	354	0	0.0%	0.0%	0.0%
Televisions	0.0%	0.0%	0.0%	0.0	385	0	0.0%	0.0%	0.0%
Other E-waste	0.0%	0.0%	0.1%	0.1	385	23	0.0%	0.0%	0.1%
Total E-Waste	0.0%						0.0%		
Yard Waste	0.1%	-0.1%	0.3%	0.3	250	75	0.1%	-0.1%	0.4%
Other Organics	1.1%	-0.7%	2.8%	2.5	225	563	1.1%	0.0%	0.0%
Total Organics	1.2%						1.2%		
HHW	0.0%	0.0%	0.0%	0.0	1671	0	0.0%	0.0%	0.0%
Tires	0.0%	0.0%	0.0%	0.0	100	0	0.0%	0.0%	0.0%
Textiles	0.2%	-0.1%	0.6%	0.5	150	75	0.1%	-0.1%	0.4%
Household Bagged Waste	3.0%	0.8%	5.1%	7.0	100	699	1.4%	0.4%	2.4%
Mixed Residue	0.1%	0.0%	0.2%	0.2	100	15	0.0%	0.0%	0.1%
Total Other Materials	3.3%						1.5%		
Total	100.0%					51,445	100.0%		

US EPA, Volume-to-Weight Conversion Factors (April 2016) -

https://www.epa.gov/sites/production/files/2016-04/documents/volume_to_weight_conversion_factors_memorandum_04192016_508fnl.pdf

Cascadia Consulting Group for CIWMB, Method of Visual Characterization of Disposed Waste from Construction and Demolition Waste (October 2006) -

<https://www2.calrecycle.ca.gov/Publications/Download/1247>

Glass Association of North America - [http://www.syracuseglass.com/E-](http://www.syracuseglass.com/E-DOCS/general/EDOCS/Approximate%20Weight%20of%20Architectural%20Flat%20Glass.pdf)

[DOCS/general/EDOCS/Approximate%20Weight%20of%20Architectural%20Flat%20Glass.pdf](http://www.syracuseglass.com/E-DOCS/general/EDOCS/Approximate%20Weight%20of%20Architectural%20Flat%20Glass.pdf)



LBA ASSOCIATES

MEMORANDUM

TO: Aaron Byrne, Jen Schenk & Winn Cowman

COMPANY: Summit County & High Country Conservation Center

DATE: July 16, 2019

RE: C&D Audit Strategy

Summit County will conduct an audit of construction and demolition (C&D) debris to characterize the waste stream content. The audit will be conducted in partnership with High Country Conservation Center and the Souder Miller Associates (SMA) team including LBA Associates (LBA).

The audit will be conducted on August 1st at Summit County's Resource Allocation Park. It will be a visual volumetric assessment conducted by staff from the county (including High Country Conservation Center staff) and the SMA team. The audit location at the SCRAP will include at least two audit areas such that two loads can be evaluated at one time. These areas will ideally be at least 30 feet by 60 feet to accommodate roll-off container tipping and access by auditors.

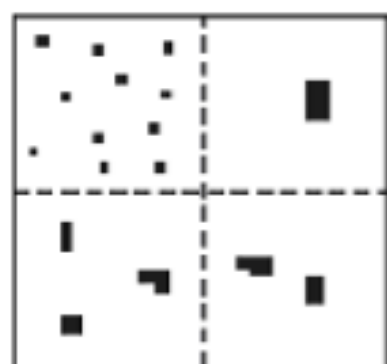
Sampling – It is expected that the equivalent of 8 30-cubic yard loads of C&D debris will be assessed. Given the variability of construction in the county, loads selected for auditing will be determined at the SCRAP gate house on the day of the audit. The following guidelines will be used to select loads to the extent possible:

- Debris generated within Summit County only – including local municipalities
- Mixed C&D only – these will include no more than 50% of any one material (except for roofing shingles)
- Remodel, renovation and new construction loads (mixed loads) – no demolition loads are expected (these require pre-approval and are known to SCRAP staff in advance)
- Public and private loads – if possible, 1 or 2 loads from public projects should be included
- Debris containers/vehicles can include any type and size (although 30-cy roll-offs are preferred for consistency) - loads larger than 30 cubic yards are discouraged
- No non-C&D bulky materials
- Non-hazardous materials only

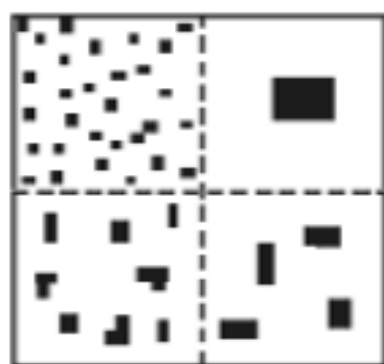
Audit Methodology – The methodology will include the following steps (organization responsible for completing each is indicated parenthetically):

1. Safety Considerations – safety vests will be worn at all times; hard hats are recommended when loads are being tipped or equipment is being used to spread materials or move to the landfill's working face (all)
2. Select Loads – to obtain the following information (LBA & county staff):
 - Verify 30-cy roll-off that is at least 60% full of mixed C&D debris (or at least 60% full of roofing shingles)
 - Record hauling company, driver name, truck & container numbers
 - Obtain gross & tare (or net) weights
 - Interview driver to clarify project owner, location & type of project
3. Estimate Per Fullness (LBA, SMA) – of each load prior to tipping (on a volume basis).
4. Spreading Tipped Load – load spreading by each truck driver should be managed by LBA or county staff:
 - Load will be same typical "loaf" as those regularly tipped at landfill working face
 - Load should be elongated, however, to create a maximum average depth of 4 feet
 - For a 30-cubic yard roll-off, this is expected to be 12-16 feet wide by 30-40 feet long (3-4 feet deep)
5. Complete Visual Volumetric Assessment (LBA & SMA):
 - Divide load into segments using debris markers to allow reasonable segment-by-segment assessment (dimensional lumber works well) – a full 30-cy load will typically be divided into 6 segments
 - Each load assessment will be conducted by at 2 primary auditors – conduct the assessment until there is agreement between all auditors on the volume-based composition of each segment (additional auditors may participate for training purposes)
 - Appendix A includes a guideline for visual assessment
 - Complete a hard-copy log for each segment within the load (see log sheet in Appendix B)
6. Post Audit Analysis (SMA):
 - Calculate material percent by volume for each overall load
 - Apply weight-to-volume conversion factors to obtain material percent by weight for each overall load
 - Evaluate results to identify diversion potential

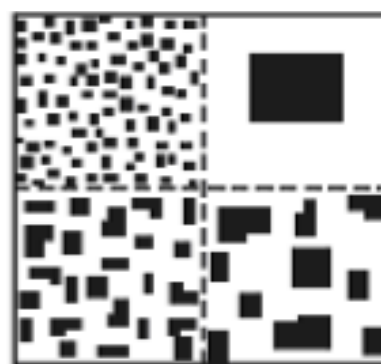
APPENDIX A
GUIDELINE FOR VISUAL AUDIT BY SEGMENT



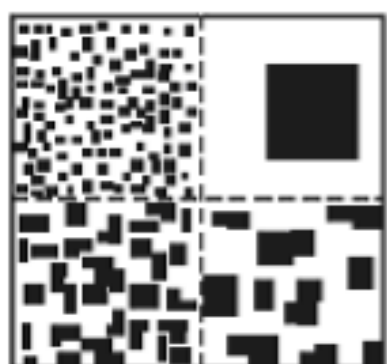
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5%



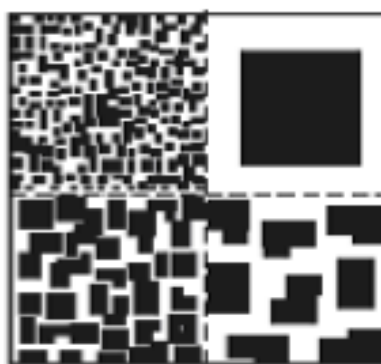
15%



20%



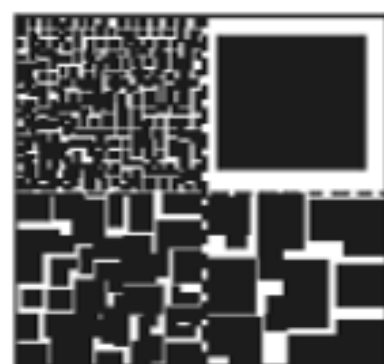
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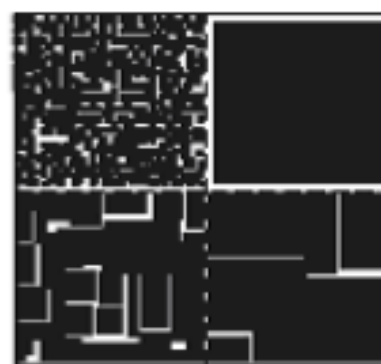
35%



50%



60%



90%

APPENDIX B
C&D AUDIT LOG SHEET

APPENDIX D

STAKEHOLDER MEETING MINUTES

Summit County Waste Diversion Study
June 6, 2019
Frisco, Colorado
Stakeholder Meeting Notes

Attendees:

Jen Cawley - Mi Casa & Breckenridge Restaurant Association

Scott Martinez – Waste Management

Jen Barchers - Town of Dillon

Kelly Clark – Town of Breckenridge

Rachel Zerowin – High Country Conservation (HC3)

Rob Gill and Coley Campbell – Timberline Disposal

Gary Wilkinson - Mayor of Frisco

Lena Lesmes – Town of Silverthorne

Brad Stewart – Vail Resorts

Aaron Burns - Summit County Resource Allocation Park

Jeff Grasser - Copper Mountain Resort

Bentley Henderson - Summit County

Jen Schenck – High Country Conservation (HC3)

Laurie Batchelder Adams – LBA and Associates

Winn Cowman – Souder, Miller & Associates (SMA)

Tom Gosiriorowski, Summit County Public Works

I. Summit County personnel provided update on funding

Funding summary document review – 1A money = Strong Future (funding package)

Providing funding for wildfire mitigation, early childhood development and recycling, total fund is \$1.6 million a year;

Previously paid for recycling from landfill fees; ask voters to fund recycling – property tax was put on ballot by commissioners; voters approved Nov 2018;

Tom discussed challenges in commodity values and costs associated; biggest issue is single-stream due to cost to sort – inefficient; increase in participation. 30% increase in recycling over past year – more stuff, less value; used to get rebate of \$15/ton, now pay \$40/ton to WM for single stream;

Additional materials to be collected: Mattress recycling, public education, tetra-pack cartons to be collected at drop sites, 3-5 plastics requested to be collected at drop sites (to be decided as

Summit County Waste Diversion Study
June 6, 2019
Frisco, Colorado
Stakeholder Meeting Notes

values are low); add glass depots in Breckenridge and other communities throughout the County (glass is not accepted in single-stream); continue to look for more items to divert through collection at drop sites

MRF needs upgrades; zero waste stations in public spaces (with HC3); pay as you throw policy - difficult (some legal barriers) in unincorporated county, need to create a disposal district

Public Drop Site – considering ballfield site near Dillon Dam; ball fields property is owned by Denver water, county leases the land; property is good as it is not in anyone’s back yard, centrally located; Denver Water is considering –site plan was reviewed; hope to open summer of 2019;

RFP is currently underway to select a local processor for composting the food waste to be collected at the new drop site – anticipated time to launch mid-summer 2019; 6yd dumpster type containers, to be sealed better & bear proof;

Funding source was set up for 10 years – flexible list of items; ballot requires advisory committees to keep the Commissioners apprised. Annual reporting

With the upcoming residential compost collection, will the list of items to be collected broaden – pizza boxes, shredded paper? Do not want compostable service-ware – they don’t compost thoroughly. Food scraps will be the only items collected – education will be key. Concerned that people want to use a plastic bag to transport food waste, drop site should consider a “dirty bag” slot next to compost dumpster. Not for trash, just for the bag.

II. Winn C. presented on the study process: see presentation provided by Winn

Two waste composition audits – July 9-11, and second in September 16-18, both 3-day MSW sorts; will also look at recycling; August 1 will be C & D visual audit; no winter sort due to scope’s timeframe for completion by end of the year; Weather was also a deciding factor.

Reviewed sorting process; presented combined data from all the rural sorts that SMA has done; Break out will be provided of the information. Question about how results will be communicated from C & D. Discussed the graphs and tables in presentation. MSW was defined for clarification as Municipal Solid Waste – household and commercial trash. Discussion about better defining the category of compostable – yard waste is collected separately. Discussion of what green waste is, identifying what has chemical pesticides, etc.

Reviewed gap analysis points; viewed video from Mesa County waste composition audit.

Summit County Waste Diversion Study
June 6, 2019
Frisco, Colorado
Stakeholder Meeting Notes

III. Laurie BA facilitated a discussion on ways to increase commercial waste diversion (SMA captured notes on white board)

How to make progress in the next 2-3 years? Identify sectors that are missing – start with commercial recycling and food waste (commercial represents a shared dumpster or roll-off).

Attendee – participation from restaurants is easy, the challenge is the hauling logistics.

Discussed business food waste solutions –

1. Restaurants - develop task force to work with haulers to identify best containers and logistics to prepare collection of food waste for haulers; use slim jims to capture FW and then carry to dumpster
2. Make bulk purchases of dumpsters to allow savings to be shared by businesses making the investment – maybe a subsidy
3. Start with large sit-down restaurants (prep and plate scrapings) – fast food has contaminated waste
4. Policy to create incentives to encourage participation; WM suggested landfill tip fees are reduced if food waste is separated from other waste; RREO grant submission to purchase collection bins (slim jims)
5. Need to provide all education in English and Spanish
6. Develop and distribute best management practices (BMPs) for managing front-of-house diversion – take away trash cans and make sorting a back-of-house process
7. Create a unified system – consistency in containers, labeling, and colors – Recycle Across America is being looked at to accommodate this process; bulk of waste in restaurants is back-of-house, in prep area. Food donation discussed – not restaurants, but maybe happening more with grocers.
8. Provide recognition to businesses participating as a marketing tool; communicate what the food waste becomes through public education and promotion.

Should business participation in Summit County be mandatory, or voluntary?

Unincorporated Summit cannot impose mandatory composting to businesses; Pay as you throw (PAYT) type system would be incentive based.

Copper Mountain is already working on implementing food waste diversion. Maybe require waste management plan, or reporting of generation rates.

Truck scales are being used by haulers.

Collection: Ordinance for businesses – how about, if you offer trash collection, you must offer compost collection.

Summit County Waste Diversion Study
June 6, 2019
Frisco, Colorado
Stakeholder Meeting Notes

- Timberline Disposal – provides organics collection
 - 96 gal can of food waste is 300lbs (handling an issue)
 - provide recycling collection services
- Waste Management –
 - provide compost service to large users
 - also provide recycling collection services

Residential compost collection – provide buckets to be taken by resident to drop site once they sign-up to keep track of participation rate.

Current barrier to Residential Food Waste Pilot is that haulers need enough customers to make a route economically viable.

HC3 shared their program; Laurie BA shared Denver’s curbside compost collection process.

Commercial Recycling:

Building code could require multi-family units (MFUs) to provide recycling; require trash enclosures to have the footprint needed to hold the dumpsters; currently no requirement to have trash service in Summit County

Cardboard diversion program – referenced Fort Collins OCC Ban; seems a lot of OCC is being landfilled; many commercial OCC dumpsters are being contaminated; standardized colors and labels might help; how about an OCC ban at the Summit County Landfill – haulers would choose to collect or not

WM is doing recycle contamination audits for customers willing to pay for it, to provide the data back to the customer

Sector responsible for landfilling most recyclables – **visitors**. Population can triple or quadruple during high season impacting waste and diversion strategies; Laurie shared the recycling ordinances in Pitkin County

Other materials for diversion:

Yard waste collection in spring for community is a potential new program

Glass collection in Summit County is done by Clear Intentions – could provide curbside collection for commercial & residential.

C & D diversion is a potential focus area and big bang for the buck; could incentivize with permit, encourage separation at the site.

Zero Waste Task Force Meeting Minutes
November 18, 2019

Present: Rachel Zerowin, Coley Campbell, Nora Gilbertson, Gary Wilkinson, Jessie Burley, Dick Carleton, Brad Stewart, Jen Barchers, Tom G, Thomas Davidson, Jeff Edwards, Jeff Grasser, Taylor R, Lina Lesmes, Kelly Baldwin, Laurie Batchelder Adams, Jen Schenk, Winn Cowman

Draft Report & Presentation

Comments/questions:

- MSW audit results are pretty similar across the state, especially in mountain/rural communities. Relatively small, but noticeable difference: More organics in mountain communities, especially in high season
- July/September sort was not C&D sort, only MSW (do-it-yourself home projects, compacted and included in regular trash)
- Films/bags/wraps is significant, but no end market
- Recycling audit: contamination averages 20% in other communities, Summit is 38% (including glass placed in single stream). At 5%, recycling is a saleable commodity (according to Franklin Street MRF).
- C&D audit: pallets found were mostly clean. Impacting C&D means big impact (due to weight)
- Tonnage from SCRAP replicates survey data (in terms of who's using drop-off vs curbside)
- Local and national issues contribute to lack of confidence over whether materials are getting recycled
- Cameras at the dropoff center? Breck does this. Doesn't affect contamination, but does improve illegal dumping
- Oops tags / direct feedback – possibility to institute via policy? Perhaps not ready due to low confidence that materials are getting recycled
- Target specific materials – could cardboard be an opportunity (to separate from single stream)
- Mayors, managers, commissioners meeting – compare codes requiring space for recycling (happening through sustainable building code), consistency among wildlife requirements. And how does this conflict with parking requirements
- How can SCRAP incentivize any of these solutions? 1-2 materials per construction site, cardboard not included in single stream, etc.
- Continue to pursue plastic film end market

PAYT – Breck doesn't have enough confidence in haulers to execute. County concurs, yet still working on a disposal district. Ideal is to have all jurisdictions institute PAYT at the same time.

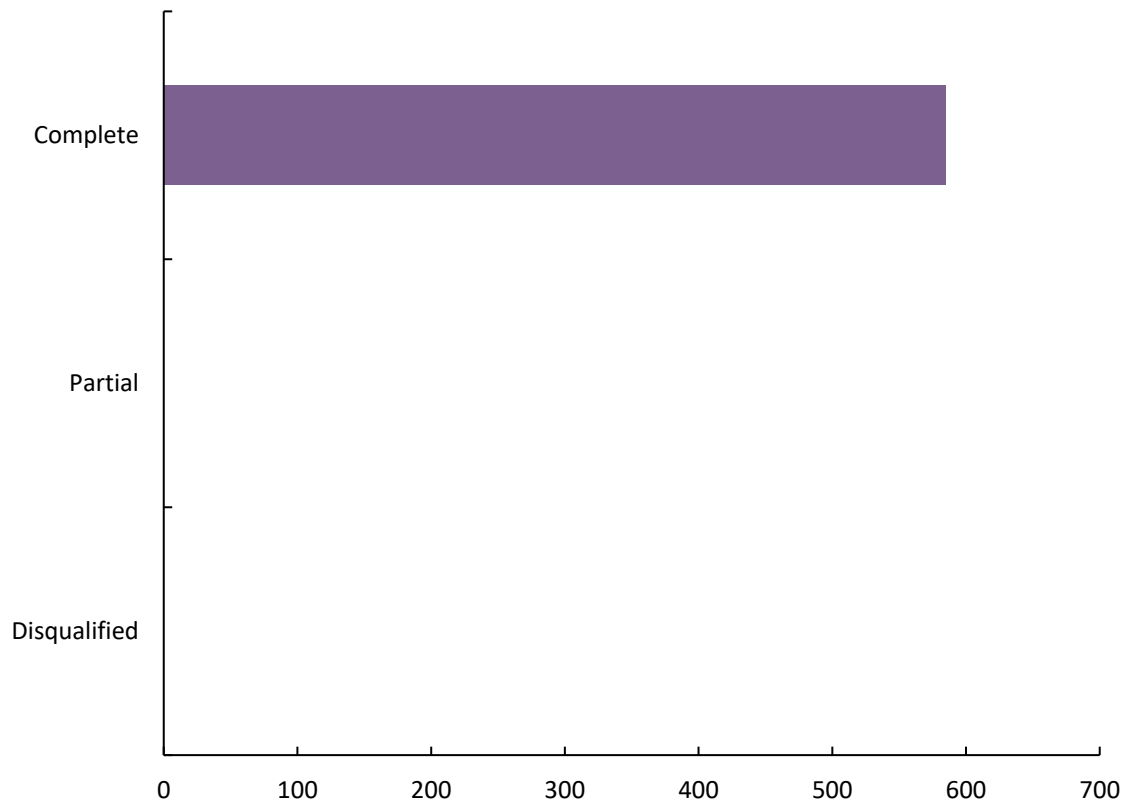
County-wide collaboration – HC3 can educate town councils

APPENDIX E
SURVEY REPORT

Report for Summit County Waste Diversion Study

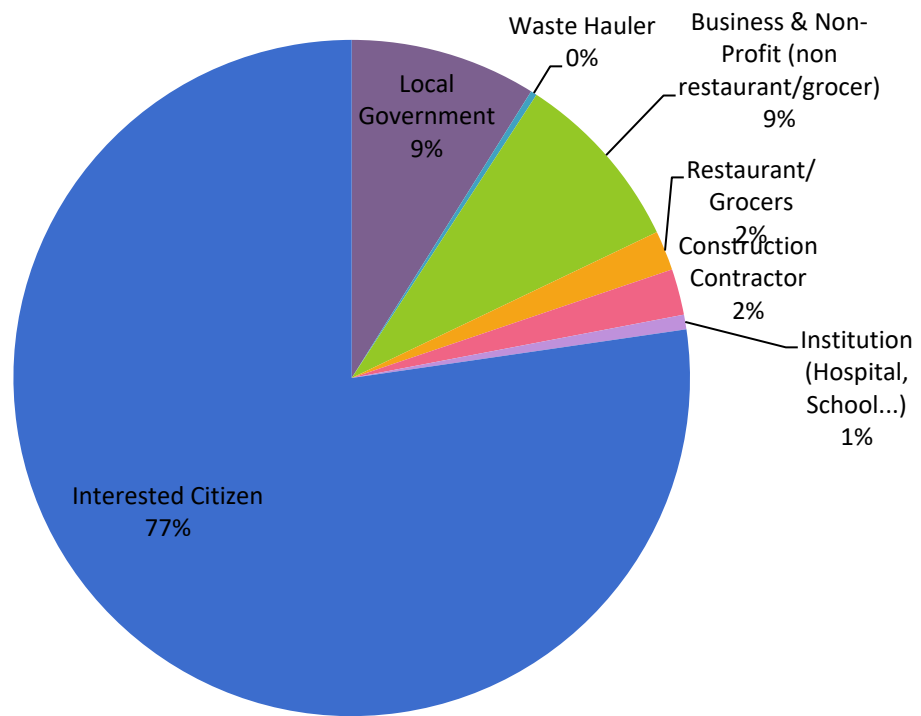
Summit County Waste Diversion Study

Response Statistics



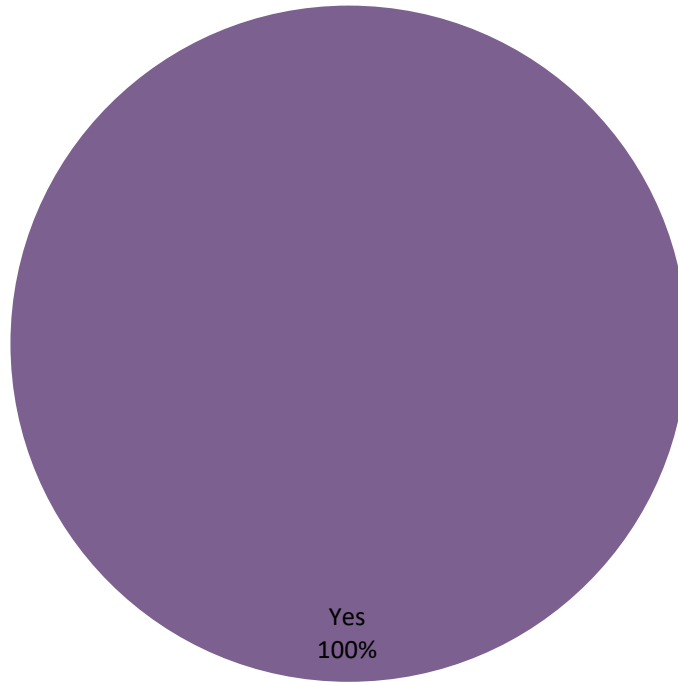
	Count	Percent
Complete	585	100
Partial	0	0
Disqualified	0	0
Totals	585	

1. Please select the organization or entity that best describes yours:



Value	Percent	Count
Local Government	8.9%	52
Waste Hauler	0.3%	2
Business & Non-Profit (non restaurant/grocer)	8.7%	51
Restaurant/ Grocers	1.9%	11
Construction Contractor	2.2%	13
Institution (Hospital, School...)	0.7%	4
Interested Citizen	77.3%	452
	Totals	585

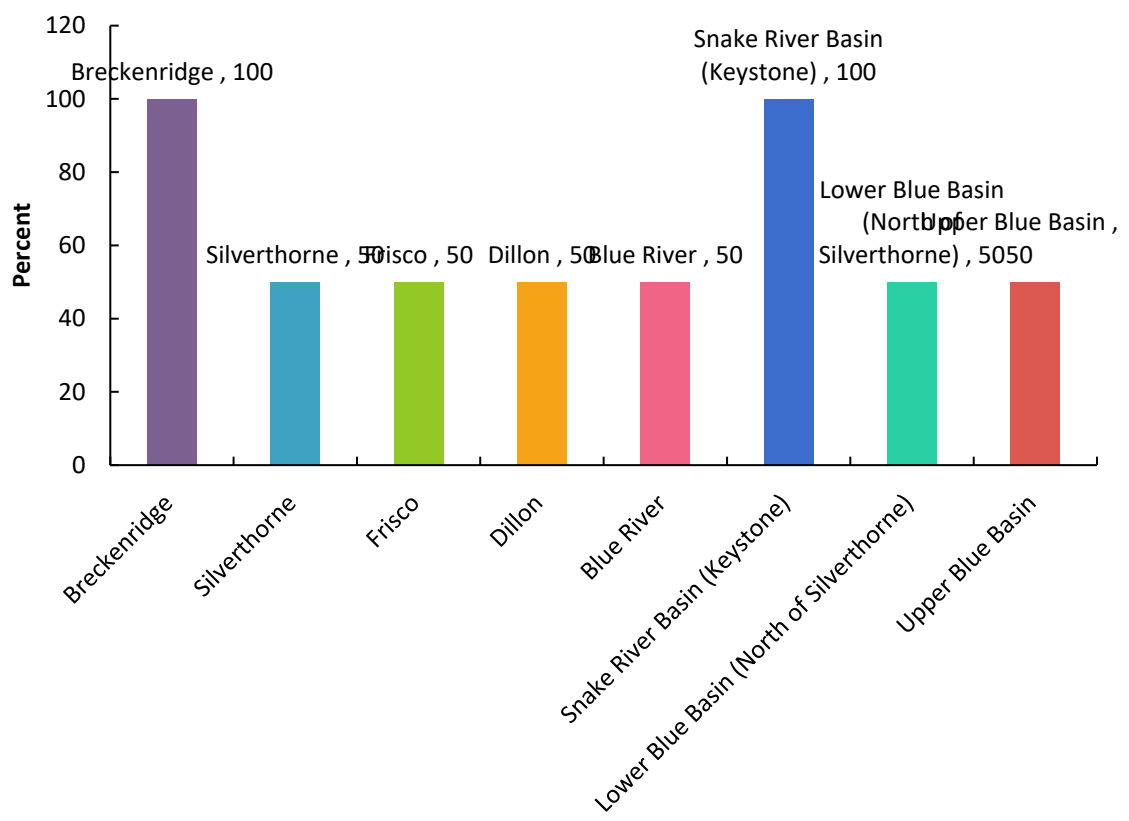
2.Do you collect recyclables that are taken to Summit County's SCRAP facilities?



Value	Percent	Count
Yes	100.0%	2
	Totals	2

Take Recyclables to facility other than SCRAP (please list)	Count
Totals	0

3. Where do you collect your recyclables? (select all that apply)

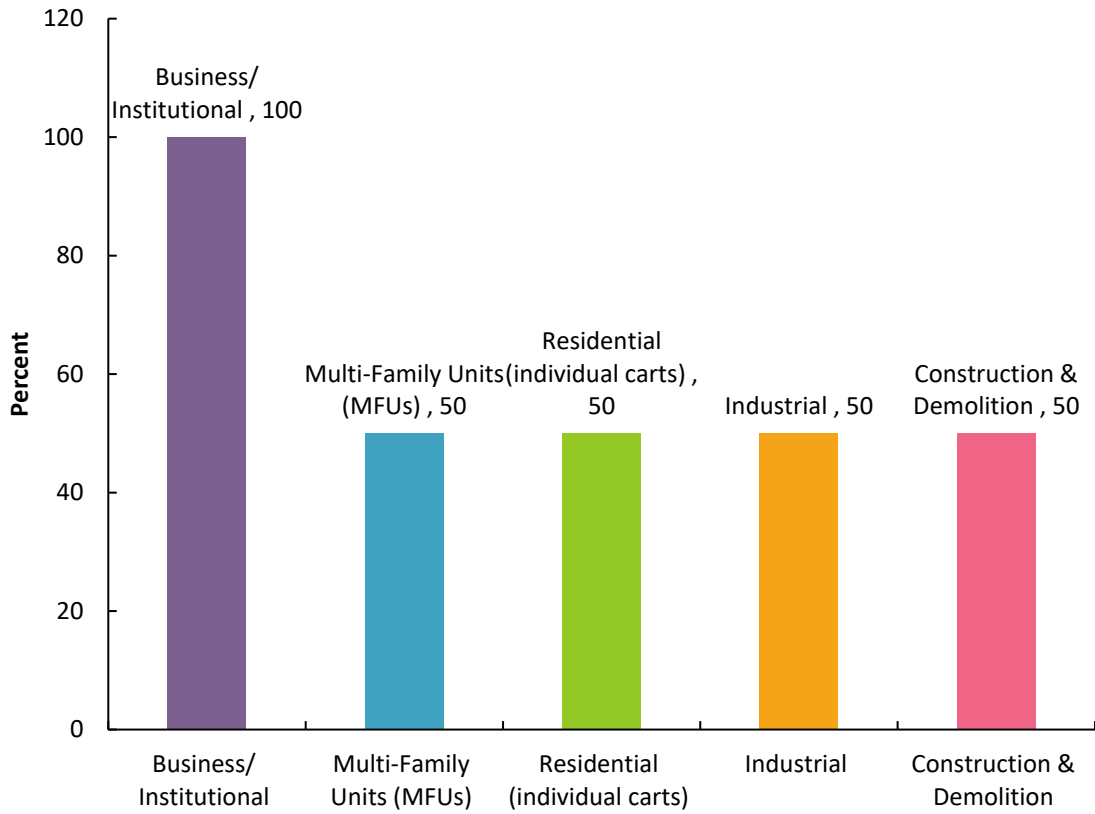


Value	Percent	Count
Breckenridge	100.0%	2
Silverthorne	50.0%	1
Frisco	50.0%	1
Dillon	50.0%	1
Blue River	50.0%	1
Snake River Basin (Keystone)	100.0%	2
Lower Blue Basin (North of Silverthorne)	50.0%	1
Upper Blue Basin	50.0%	1

Outside Summit County - please describe	Count
Totals	0

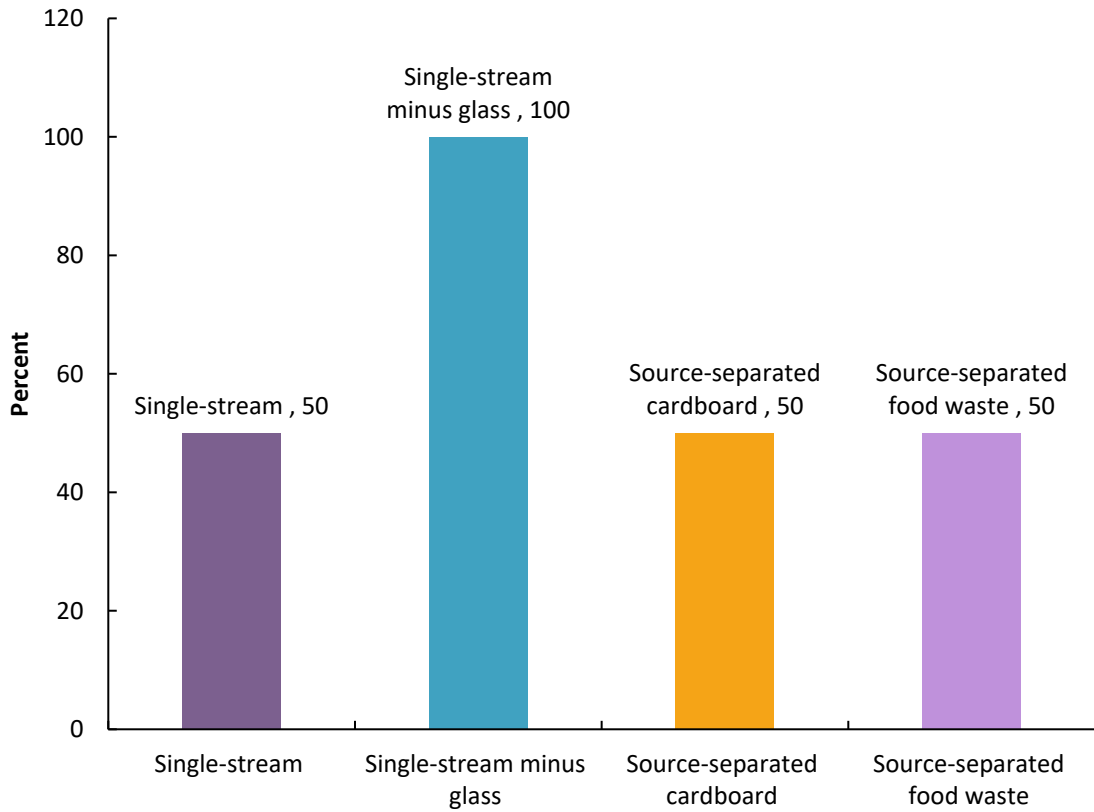
Other - please list	Count
Totals	0

4. Who are your recycling customers? (check all that apply)



Value	Percent	Count
Business/ Institutional	100.0%	2
Multi-Family Units (MFUs)	50.0%	1
Residential (individual carts)	50.0%	1
Industrial	50.0%	1
Construction & Demolition	50.0%	1

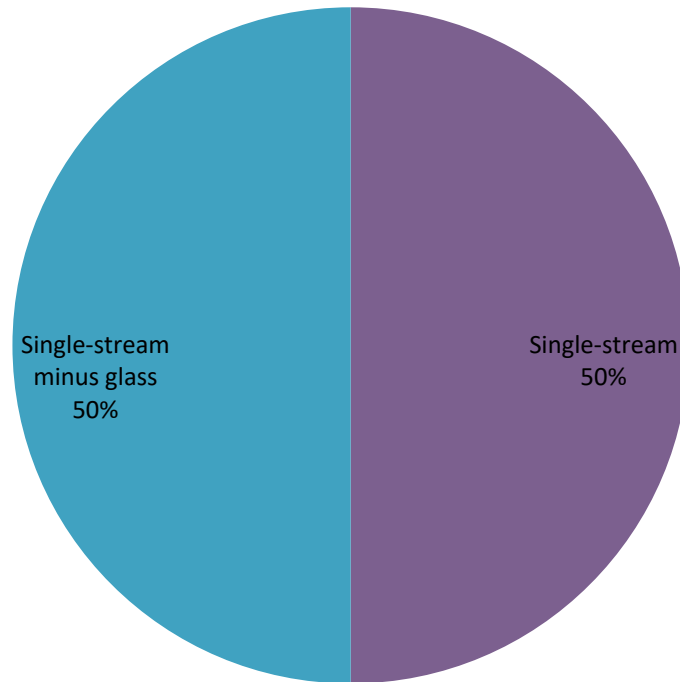
5.What type of recyclables to you collect in Summit County? (check all that apply)



Value	Percent	Count
Single-stream	50.0%	1
Single-stream minus glass	100.0%	2
Source-separated cardboard	50.0%	1
Source-separated food waste	50.0%	1

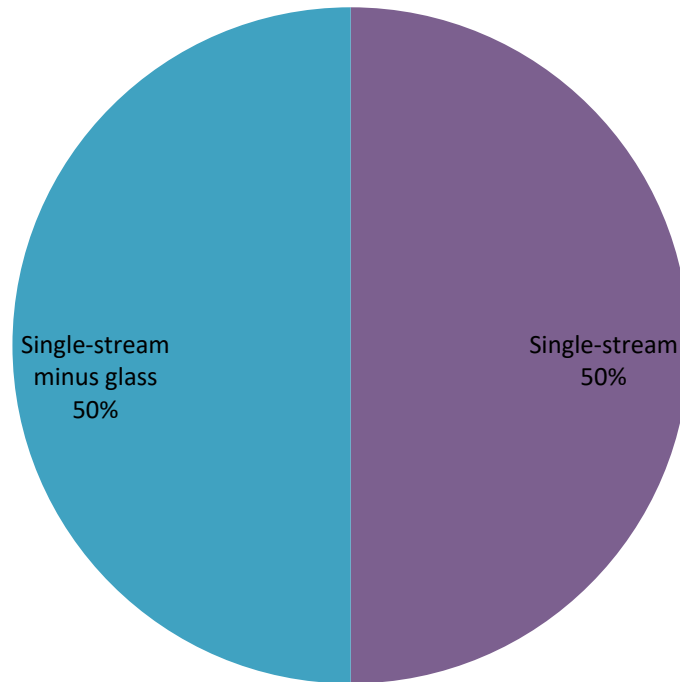
Other - please list	Count
Totals	0

6. Which method of collecting COMMERCIAL recyclables do you think is most appropriate for Summit County, considering quality, quantity, contamination, marketability, and transportation.



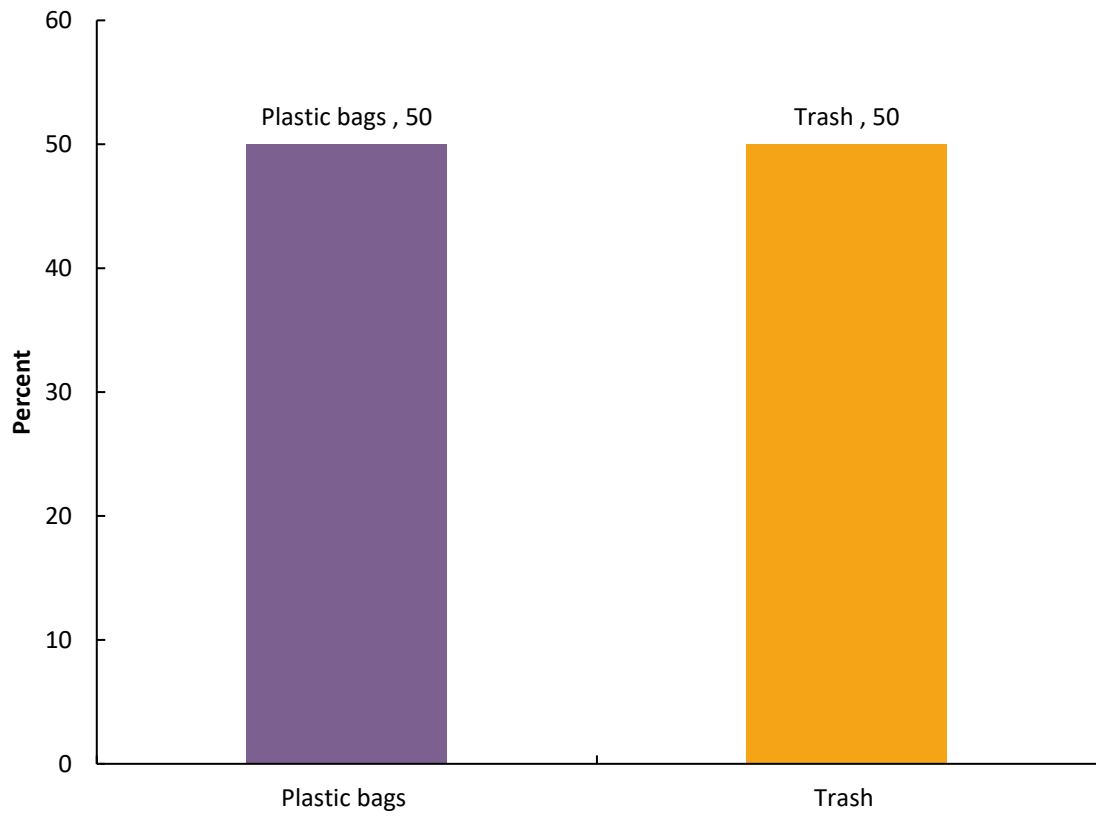
Value	Percent	Count
Single-stream	50.0%	1
Single-stream minus glass	50.0%	1
	Totals	2

7. Which method of collecting RESIDENTIAL recyclables do you think is most appropriate for Summit County, considering quality, quantity, contamination, marketability, and transportation.



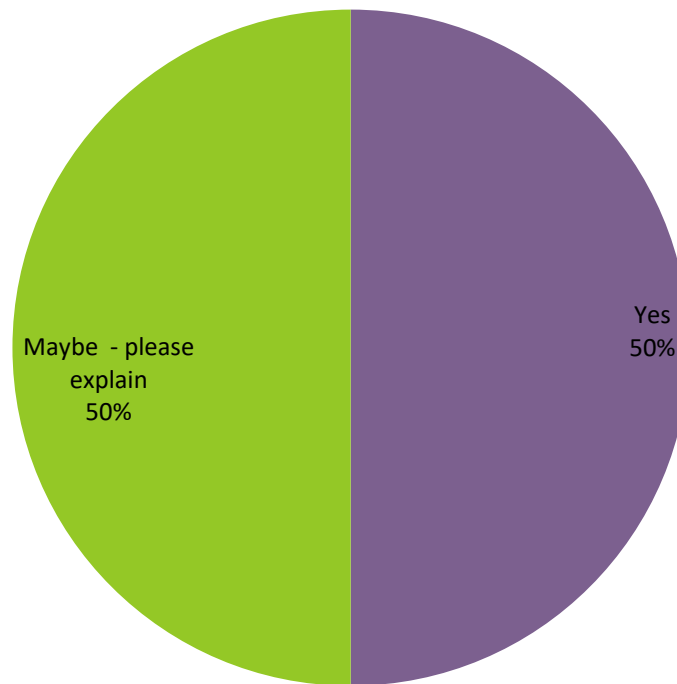
Value	Percent	Count
Single-stream	50.0%	1
Single-stream minus glass	50.0%	1
	Totals	2

8.What do you think is the biggest source of contamination in the recyclables that you collect?



Value	Percent	Count
Plastic bags	50.0%	1
Trash	50.0%	1

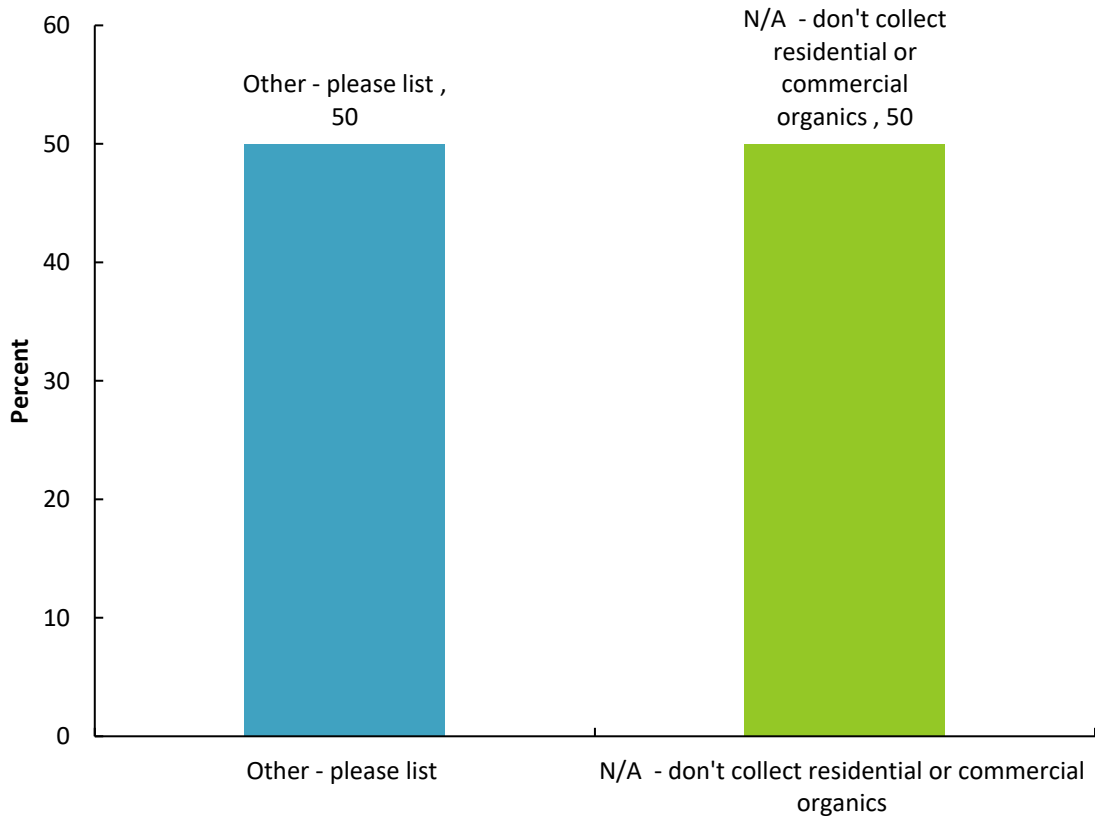
9.Is your company likely to consider curbside collection of organics for residential customers?



Value	Percent	Count
Yes	50.0%	1
Maybe - please explain	50.0%	1
	Totals	2

Maybe - please explain	Count
We would like to start with a pilot program.	1
Totals	1

10.What type of container do you provide for residential or commercial organics collection? (Select all that apply)



Value	Percent	Count
Other - please list	50.0%	1
N/A - don't collect residential or commercial organics	50.0%	1

Other - please list	Count
32 gallon toter and 2-3 yd dumpster	1
Totals	1

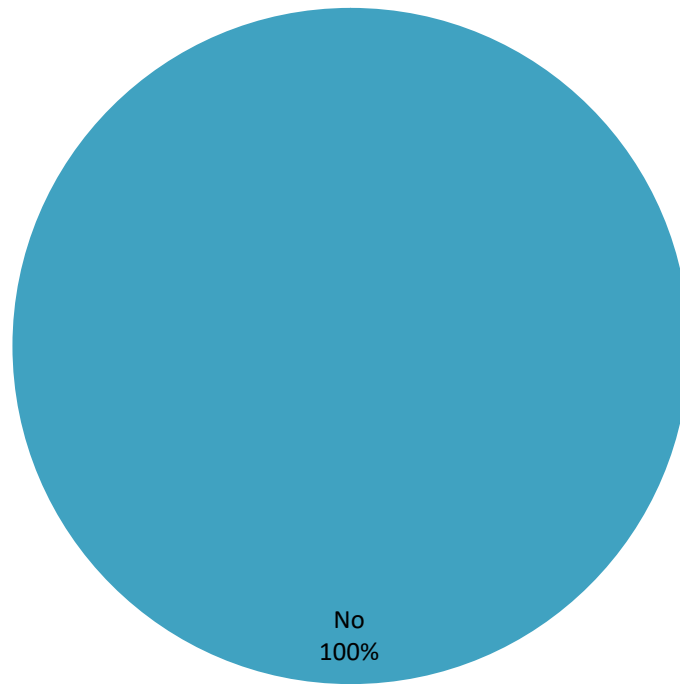
11. Please list anything your company would need to make hauling COMMERCIAL organics a viable option?

ResponseID	Response
900	Education is probably the most important piece to avoid contamination. Also, SCRAP considering more product besides just food waste.
901	We already do.

12. Please list anything your company would need to make hauling RESIDENTIAL organics a viable option?

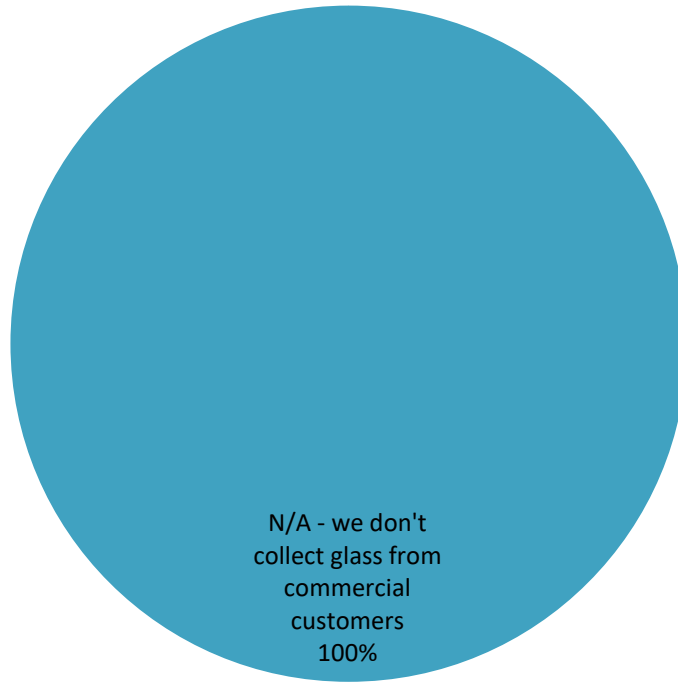
ResponseID	Response
900	Same as the Commercial answer.
901	Mixing of all organics.

13.Do you offer curbside collection of glass to commercial customers?



Value	Percent	Count
No	100.0%	2
	Totals	2

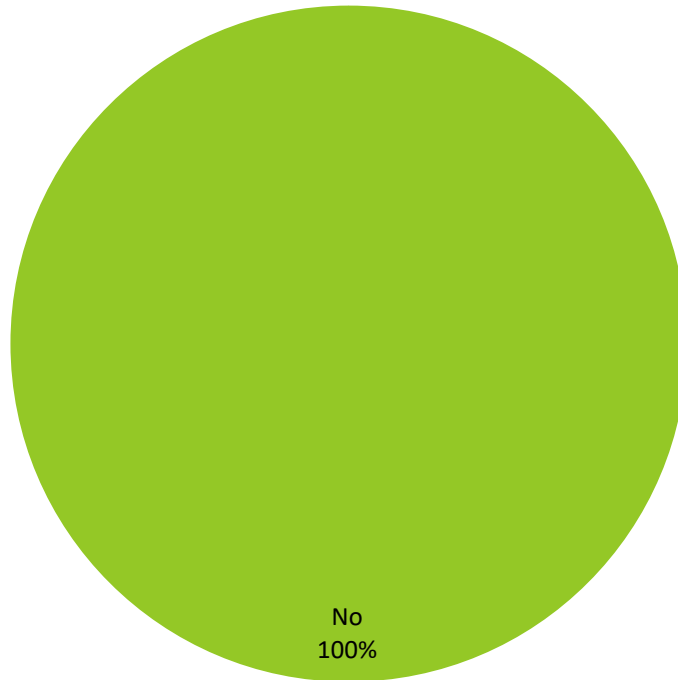
14.What type of container do you provide commercial customers for glass collection?



Value	Percent	Count
N/A - we don't collect glass from commercial customers	100.0%	2
	Totals	2

Other - please list	Count
Totals	0

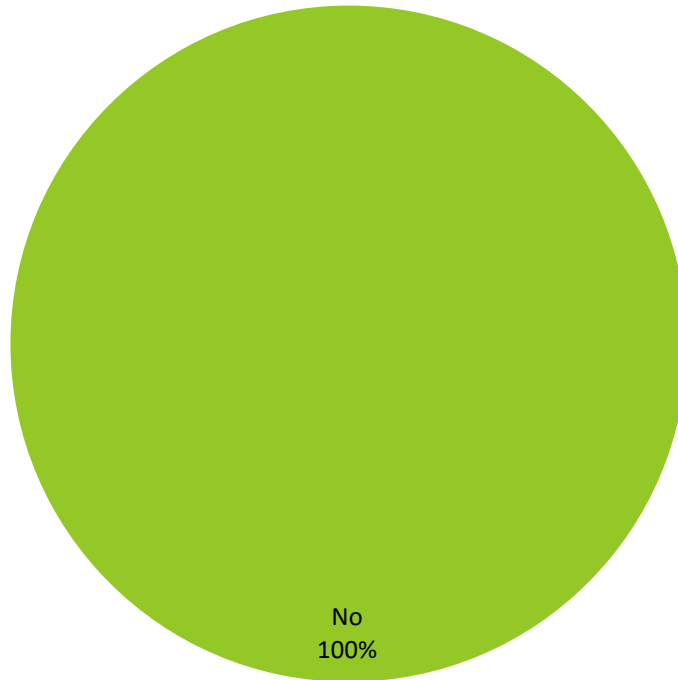
15. Would you be willing to expand (or begin) curbside collection of RESIDENTIAL glass?



Value	Percent	Count
No	100.0%	2
	Totals	2

Maybe - please explain	Count
Totals	0

16. Would you be willing to expand (or begin) curbside collection of BUSINESS glass?



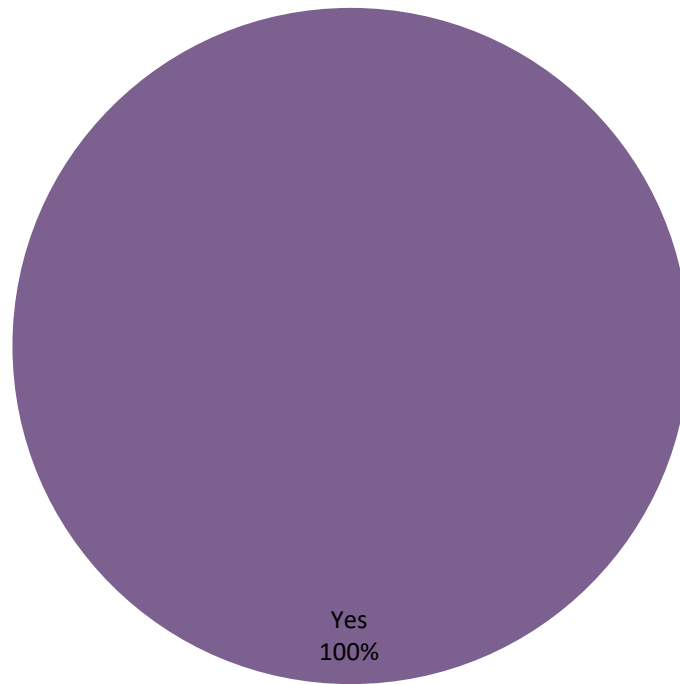
Value	Percent	Count
No	100.0%	2
	Totals	2

Maybe - please explain	Count
Totals	0

17. What could your company do to support (current and/or potential) construction & demolition recycling in Summit County?

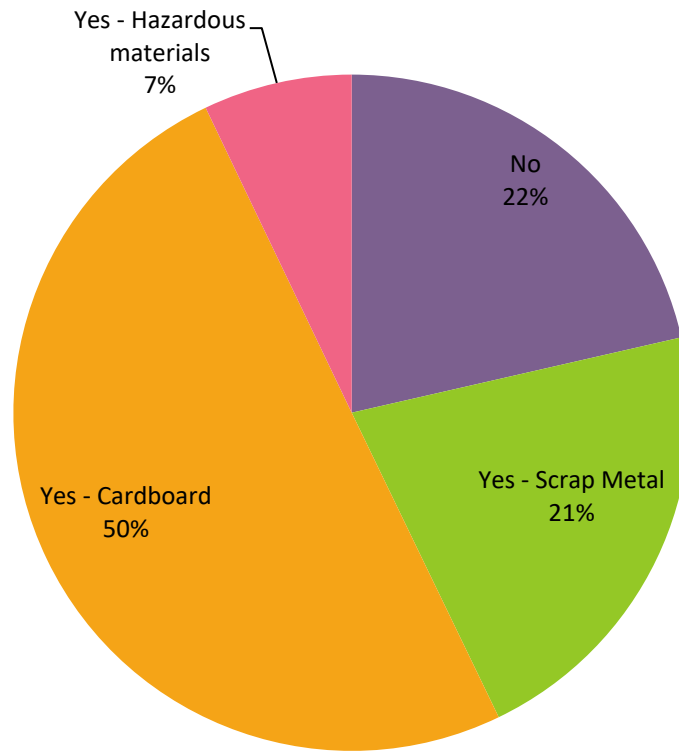
ResponseID	Response
900	We already do.
901	We already started this years ago with divided Rolloffs but the landfill wouldn't except most of it because of contamination.

18.Does your company generate business waste and/or recycling?



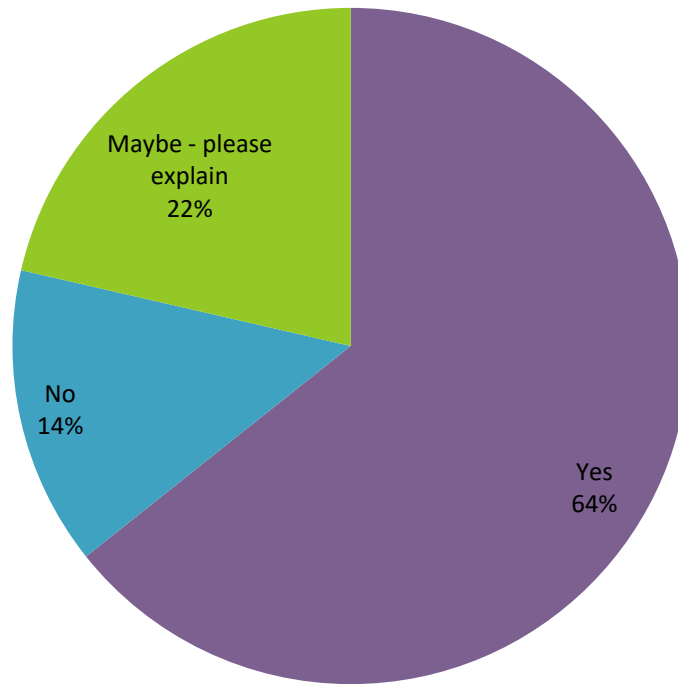
Value	Percent	Count
Yes	100.0%	2
	Totals	2

19.Does your company separate construction & demolition materials for recycling? (select all that apply)



Value	Percent	Count
No	21.4%	3
Yes - Scrap Metal	21.4%	3
Yes - Cardboard	50.0%	7
Yes - Hazardous materials	7.1%	1
	Totals	14

20.Are you interested in recycling construction and demolition debris?

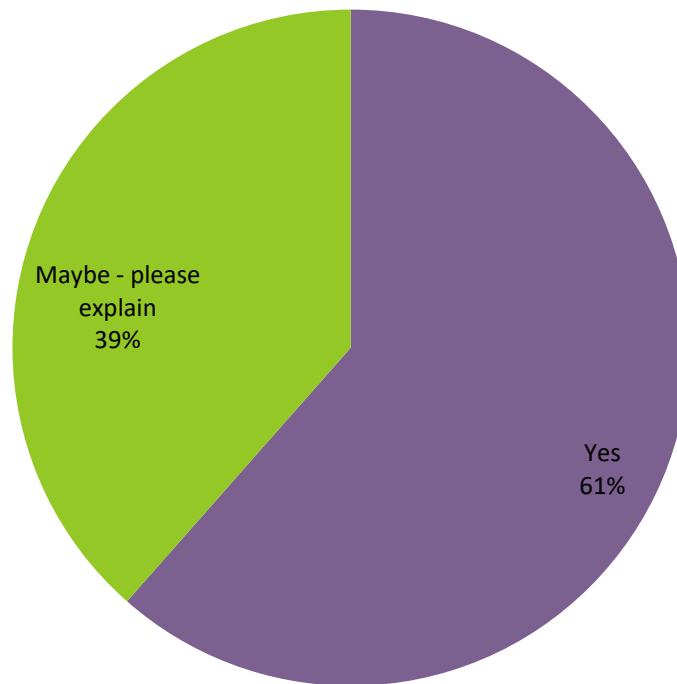


Value	Percent	Count
Yes	64.3%	9
No	14.3%	2
Maybe - please explain	21.4%	3
	Totals	14

Maybe - please explain	Count
It needs to be cost effective	1
Make it intuitive and use appropriate containers. If it's confusing, no one will use it. Time is money.	1
cost dependent	1

Totals	3
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21. Would reduced landfill fees for clean materials collected separately incentivize you to separate onsite?

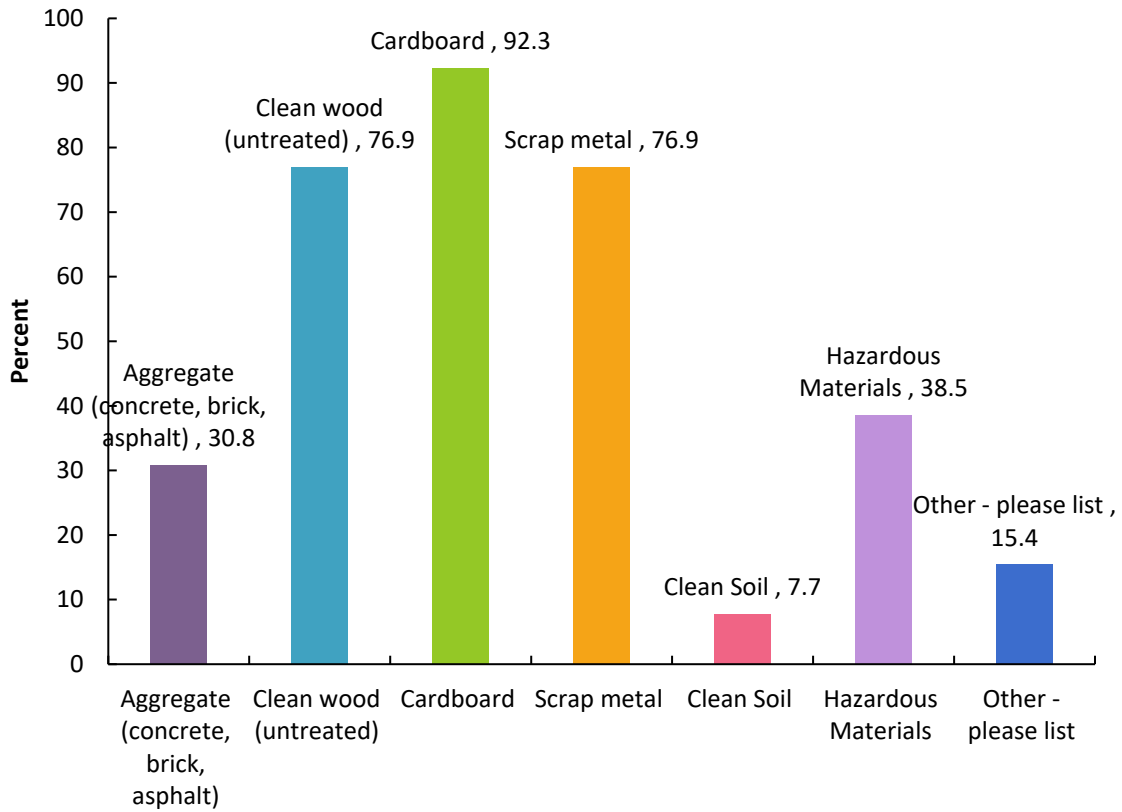


Value	Percent	Count
Yes	61.5%	8
Maybe - please explain	38.5%	5
	Totals	13

Maybe - please explain	Count
I'm not certain the incentive to separate will outweigh the simpler costs of throwing it away.	1
It is hard to get guys to separate items in 'divided' dumpsters and it is usually difficult to police	1
The incentive would help but project space and schedule would govern more	1

We have a contractor haul away our waste on most projects, how would the landfill fee reduction be assessed in this situation?	1
cost dependent	1
Totals	5

22. Please select which materials you think could be sorted onsite for recycling or reuse:



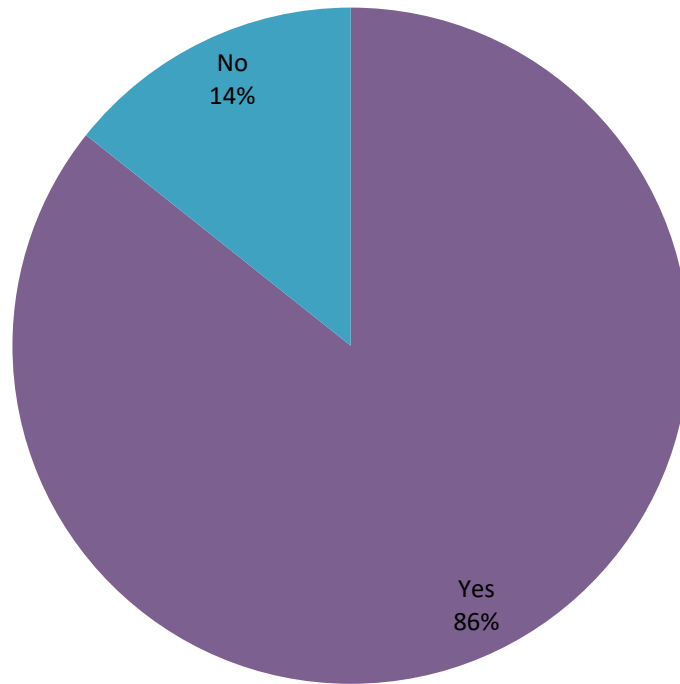
Value	Percent	Count
Aggregate (concrete, brick, asphalt)	30.8%	4
Clean wood (untreated)	76.9%	10
Cardboard	92.3%	12
Scrap metal	76.9%	10
Clean Soil	7.7%	1
Hazardous Materials	38.5%	5
Other - please list	15.4%	2

Other - please list	Count
Drywall	1
Many contractors are lazy despite providing instruction and incentive.	1
Totals	2

23.What incentives, or changes in local code, would help you source-separate more materials at future C&D sites?

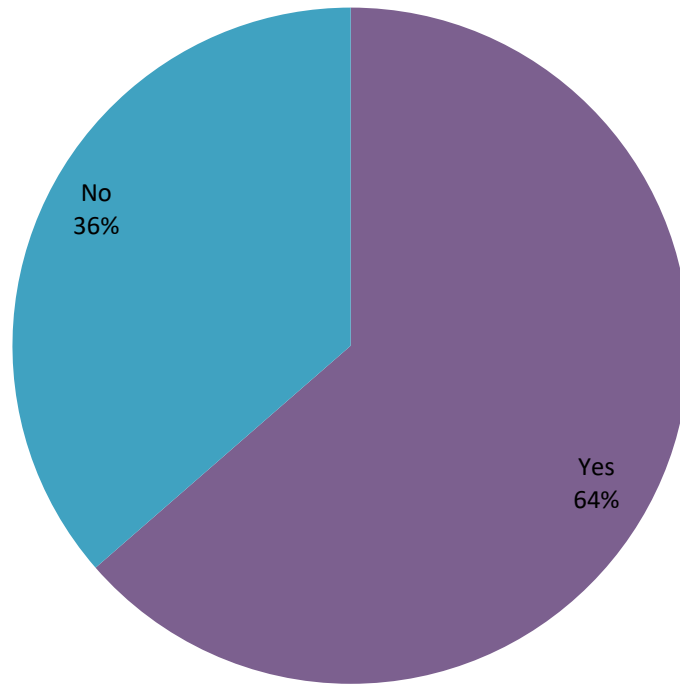
ResponseID	Response
173	Reduced rates to dispose of materials
182	The Summit landfill takes very little construction material so our Summit County jobs are not recycling like our projects in other counties.
184	We would need a subcontractor/provider who would do recycling specific pickup, recycling receptacles being provided by town/HC3 (would need to be a metal receptacle)
189	A company that can actually pick up trash and recycling in a timely and cost effective manner
190	no regulations are necessary, a financial incentive (landfill fees) and free containers for cardboard, scrap metal and clean wood) would help
191	The Landfill is a racket
206	I don't know enough about the current codes or costs to answer this question.
293	I guess rebates of some kind for taking the time to make it happen
603	Additional information on who would it take or collect materials
761	Make it intuitive, remove the restrictions and changes for what gets recycled and how, debunk the myth or truth that another country buys our trash and recycling so it doesn't matter what happens to it anyway.
775	Wood gasification and using the energy to off set using fossil fuel.
780	Recycle all wire and metal
869	It was great when we could take more wood to recycle - not just pallets.

24.Does your company generate business (office-type) waste and/or recycling?



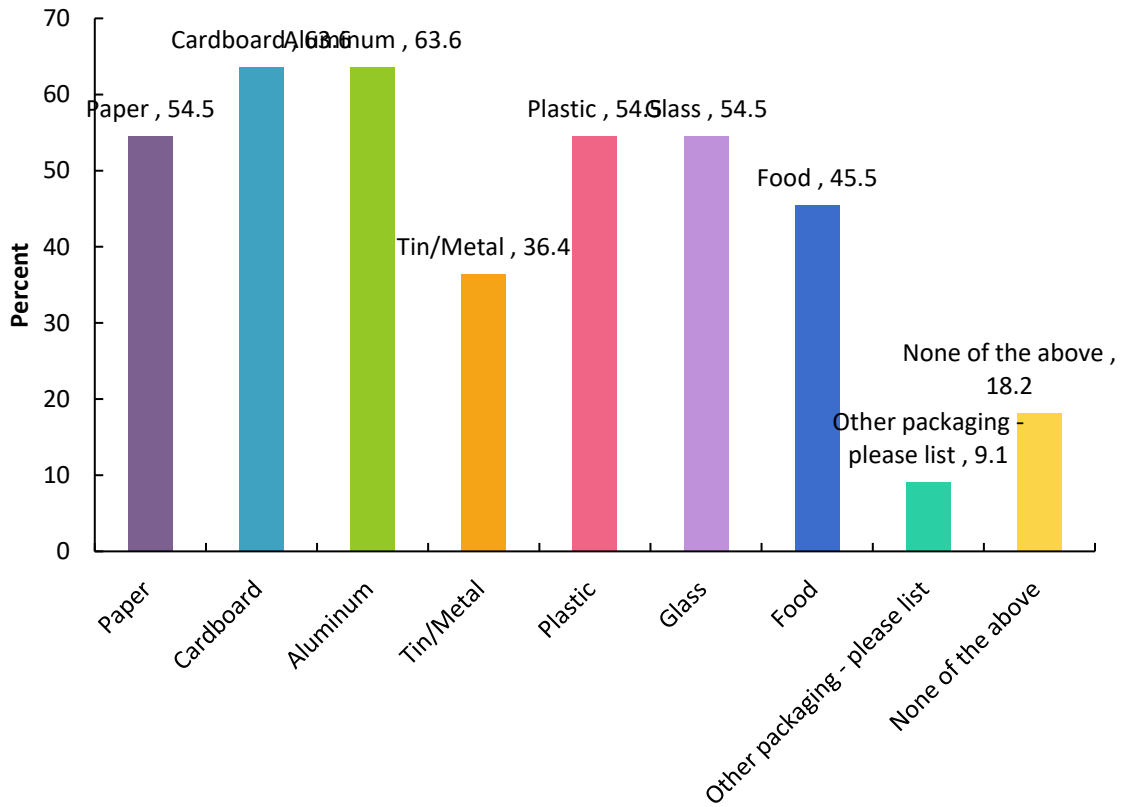
Value	Percent	Count
Yes	85.7%	12
No	14.3%	2
	Totals	14

25.Do you recycle front of house waste? (front of house is the customer-facing portion of the restaurant)



Value	Percent	Count
Yes	63.6%	7
No	36.4%	4
	Totals	11

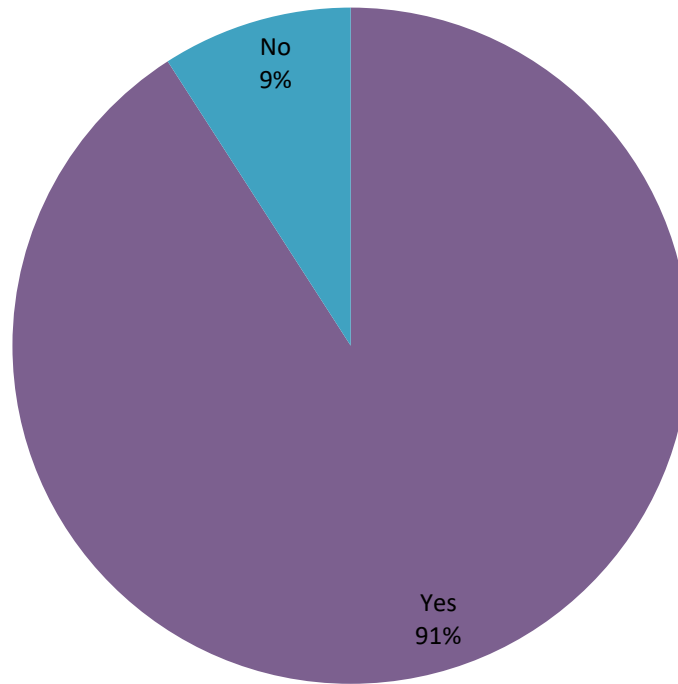
26. Which front of house items do you collect for recycling? (select all that apply)



Value	Percent	Count
Paper	54.5%	6
Cardboard	63.6%	7
Aluminum	63.6%	7
Tin/Metal	36.4%	4
Plastic	54.5%	6
Glass	54.5%	6
Food	45.5%	5
Other packaging - please list	9.1%	1
None of the above	18.2%	2

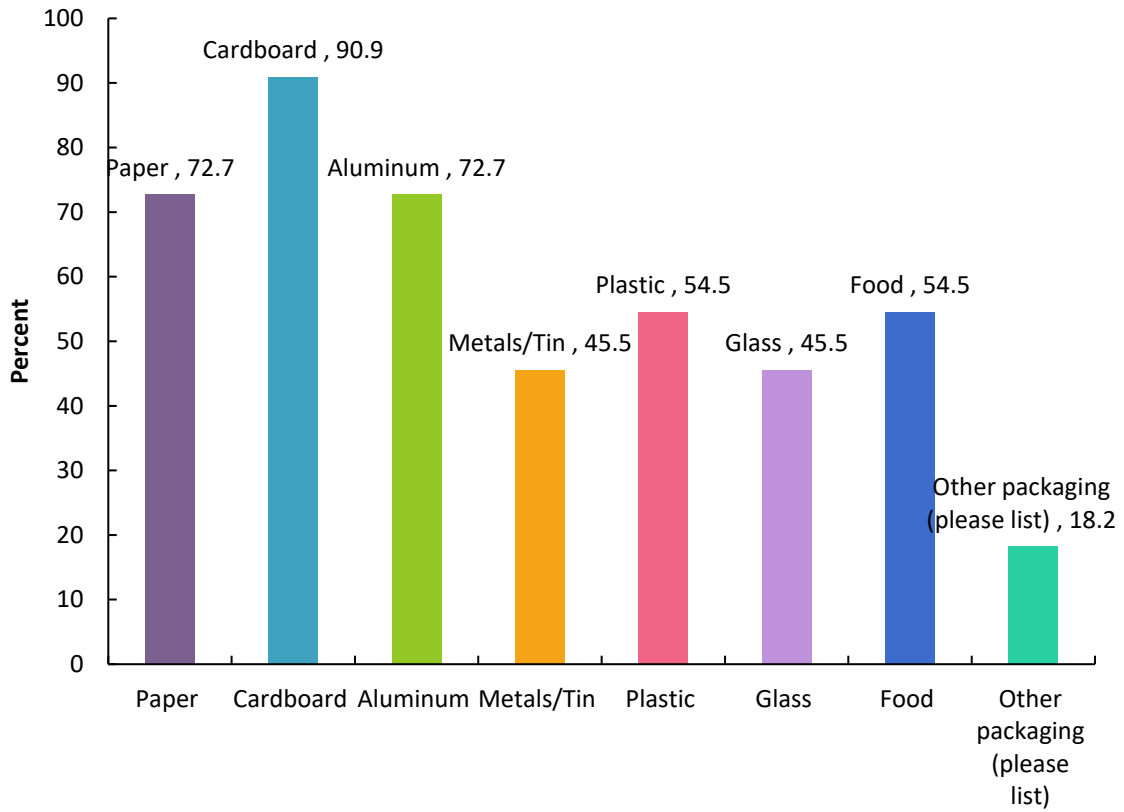
Other packaging - please list	Count
crayons	1
Totals	1

27.Do you recycle back of the house waste? (back of house is where the food is prepared)



Value	Percent	Count
Yes	90.9%	10
No	9.1%	1
	Totals	11

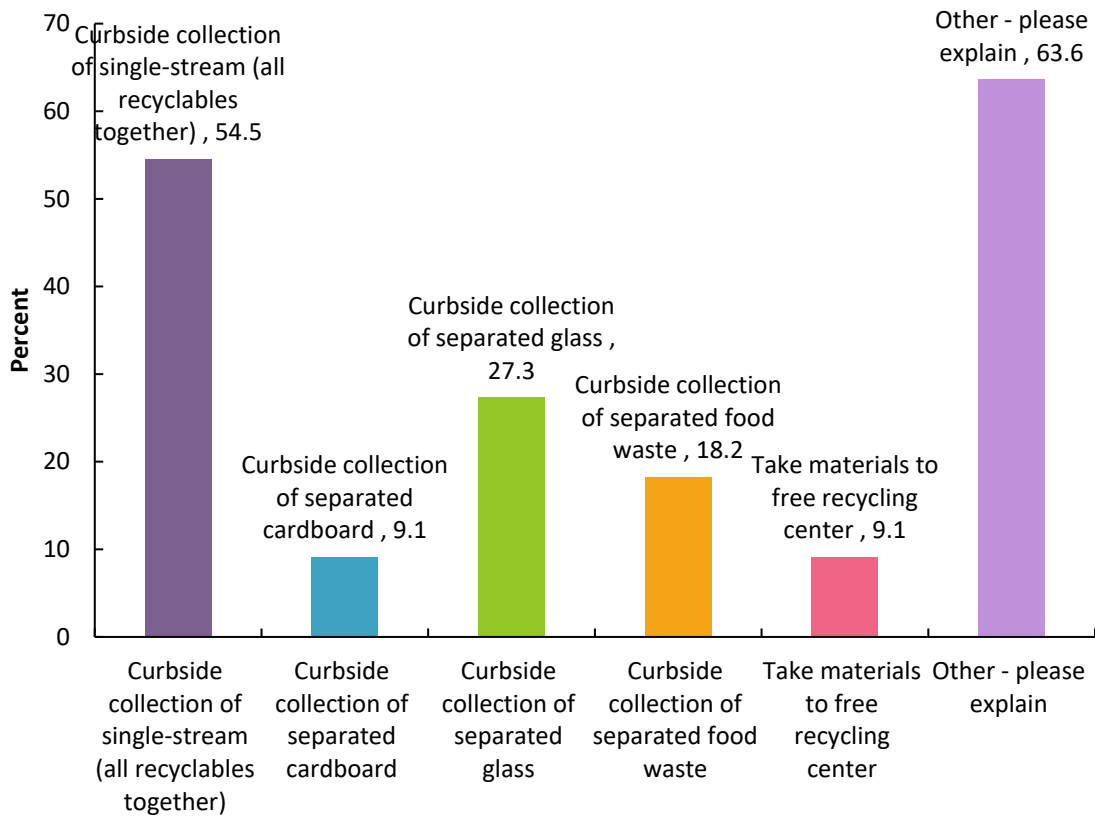
28.Which back of house items do you collect for recycling? (select all that apply)



Value	Percent	Count
Paper	72.7%	8
Cardboard	90.9%	10
Aluminum	72.7%	8
Metals/Tin	45.5%	5
Plastic	54.5%	6
Glass	45.5%	5
Food	54.5%	6
Other packaging (please list)	18.2%	2

Other packaging (please list)	Count
corks	1
single Stream	1
Totals	2

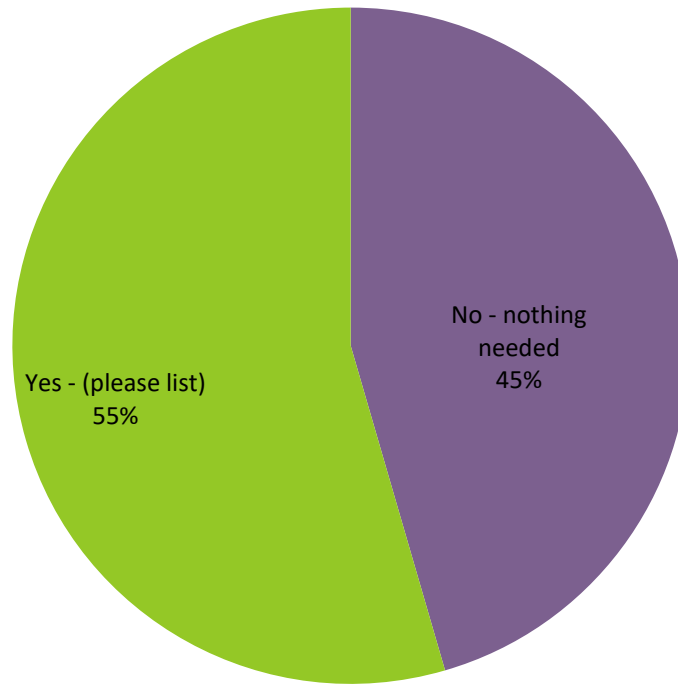
29.How are you recycling restaurant waste? (select all that apply)



Value	Percent	Count
Curbside collection of single-stream (all recyclables together)	54.5%	6
Curbside collection of separated cardboard	9.1%	1
Curbside collection of separated glass	27.3%	3
Curbside collection of separated food waste	18.2%	2
Take materials to free recycling center	9.1%	1
Other - please explain	63.6%	7

Other - please explain	Count
Cardboard Recycling bins in dumpster enclosure	1
Composting	1
Dispose of in general recycling bins/glass bins/compost bin	1
Extra food to charity	1
Terra cycle, enclosures, Cork club	1
Use town enclosures	1
We use the enclosures and pay for them. Nothing is curbside.	1
Totals	7

30. Is there information, resources, and/or incentives that would help facilitate recycling at your restaurant?

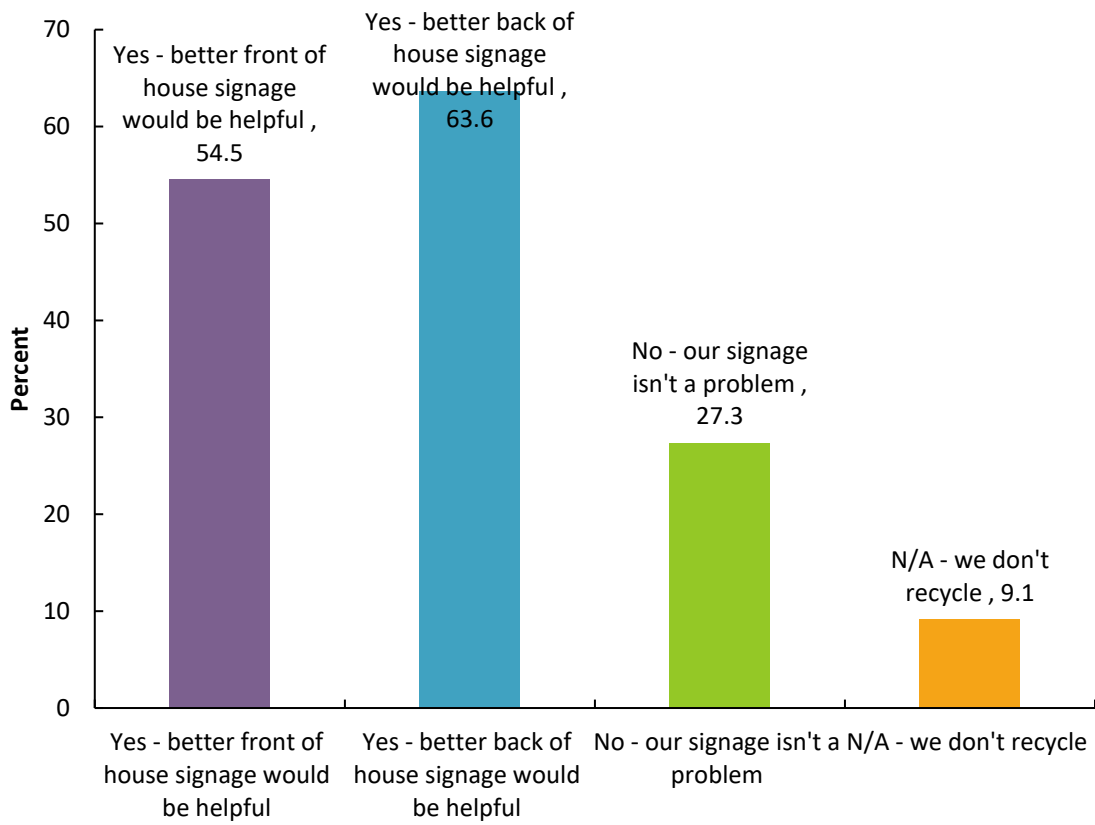


Value	Percent	Count
No - nothing needed	45.5%	5
Yes - (please list)	54.5%	6
	Totals	11

Yes - (please list)	Count
?	1
A list of everything that can go into single stream and items that can not	1
Actually picking up the recycling. The recycling company not just mixing all trash. Composting would be a benefit.	1

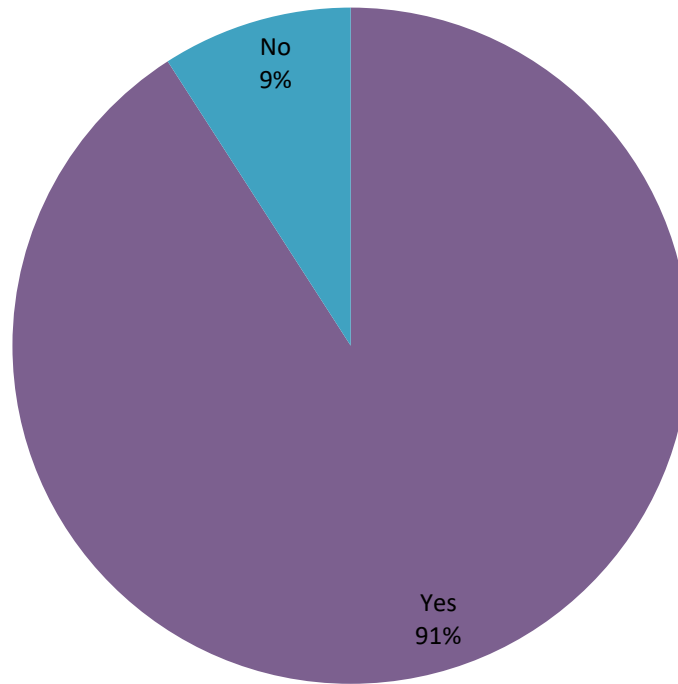
Large Volume Composting	1
Recycling is confusing and bins in enclosures always seem to be full	1
dual language	1
Totals	6

31. Do you need better signage for your recycling bins? (select all that apply)



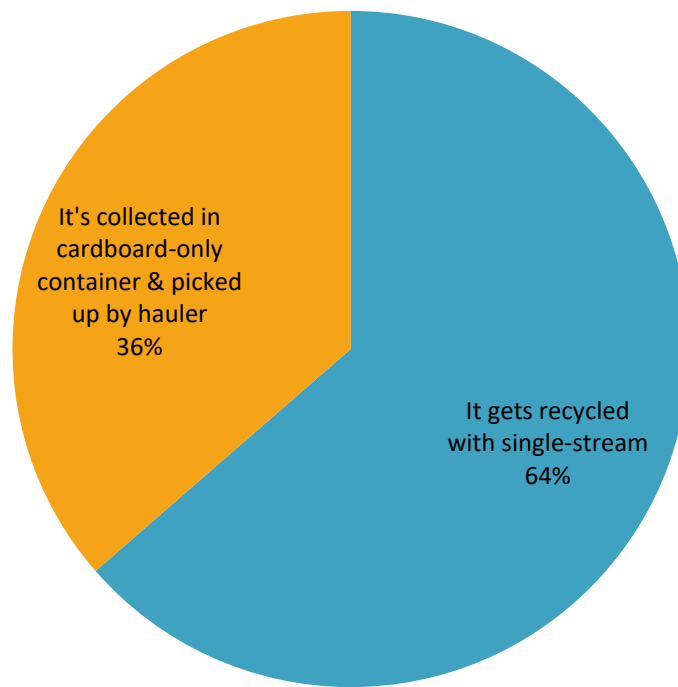
Value	Percent	Count
Yes - better front of house signage would be helpful	54.5%	6
Yes - better back of house signage would be helpful	63.6%	7
No - our signage isn't a problem	27.3%	3
N/A - we don't recycle	9.1%	1

32. Did you know that glass is not allowed in Summit County's single-stream recycling?



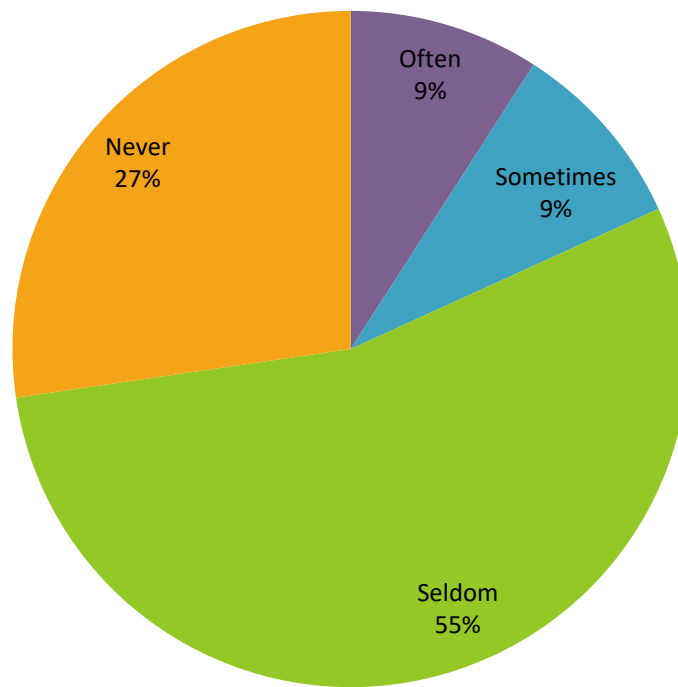
Value	Percent	Count
Yes	90.9%	10
No	9.1%	1
	Totals	11

33.What is your restaurant currently doing with cardboard?



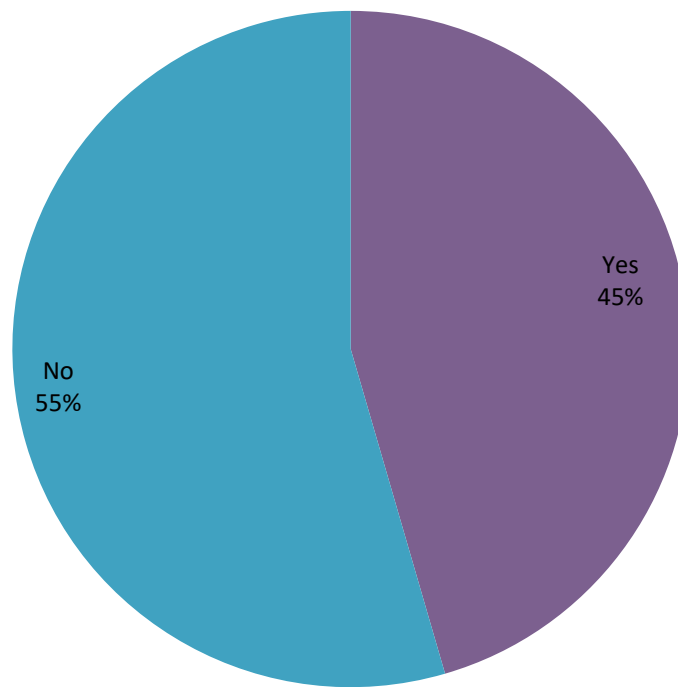
Value	Percent	Count
It gets recycled with single-stream	63.6%	7
It's collected in cardboard-only container & picked up by hauler	36.4%	4
	Totals	11

34.How often does your business donate leftover food to avoid waste?



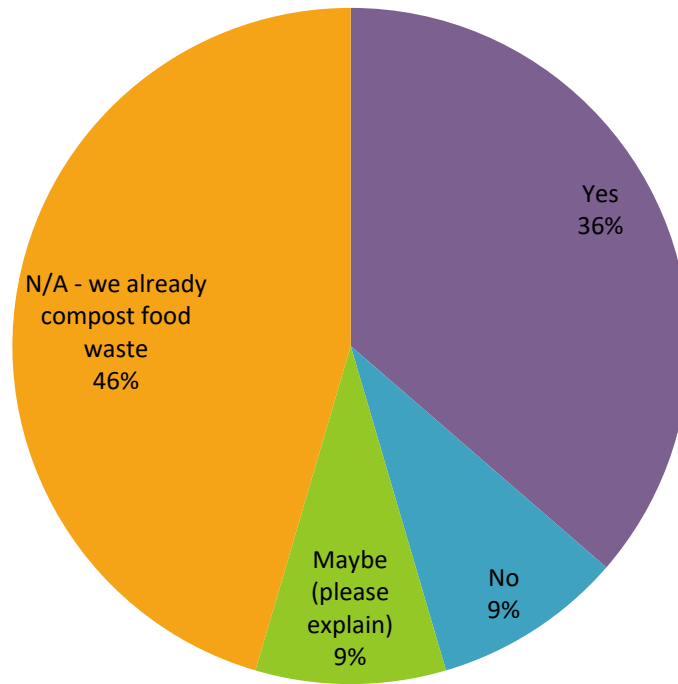
Value	Percent	Count
Often	9.1%	1
Sometimes	9.1%	1
Seldom	54.5%	6
Never	27.3%	3
	Totals	11

35.Does your business collect food waste for composting?



Value	Percent	Count
Yes	45.5%	5
No	54.5%	6
	Totals	11

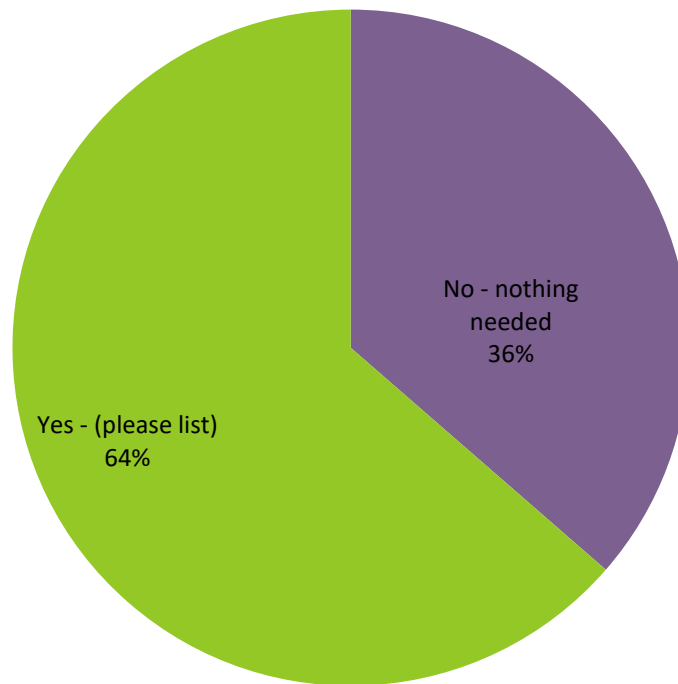
36.If you're not currently composting food waste, would you like to?



Value	Percent	Count
Yes	36.4%	4
No	9.1%	1
Maybe (please explain)	9.1%	1
N/A - we already compost food waste	45.5%	5
	Totals	11

Maybe (please explain)	Count
If we have enough space to do it	1
Totals	1

37. Is there information, resources, and/or incentives that would help facilitate food waste composting at your business?

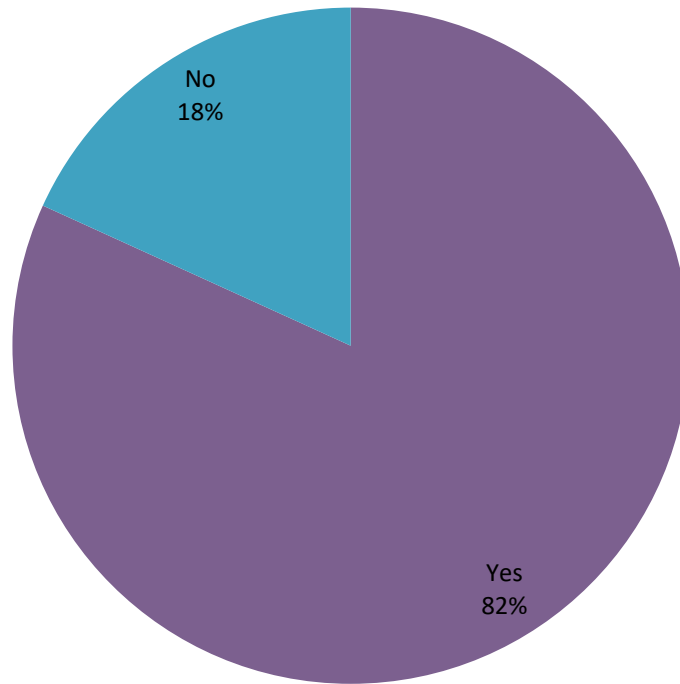


Value	Percent	Count
No - nothing needed	36.4%	4
Yes - (please list)	63.6%	7
	Totals	11

Yes - (please list)	Count
?	1
Curbside pickup	1
Information on what can be composted and what we need to do it	1

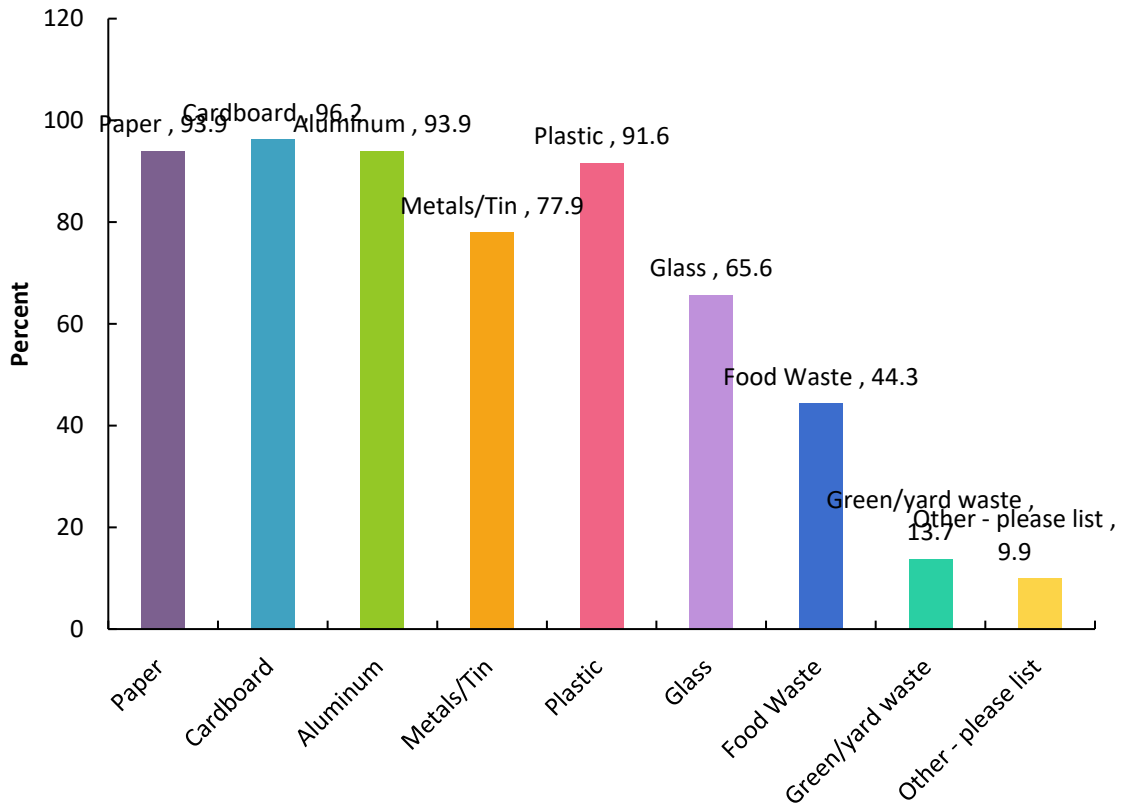
Signage for food items that can be composted	1
What all can we compost	1
a program in the county and containers to start	1
bear proof enclosure	1
Totals	7

38.Does your business also have an office that generates office-type waste and recyclables?



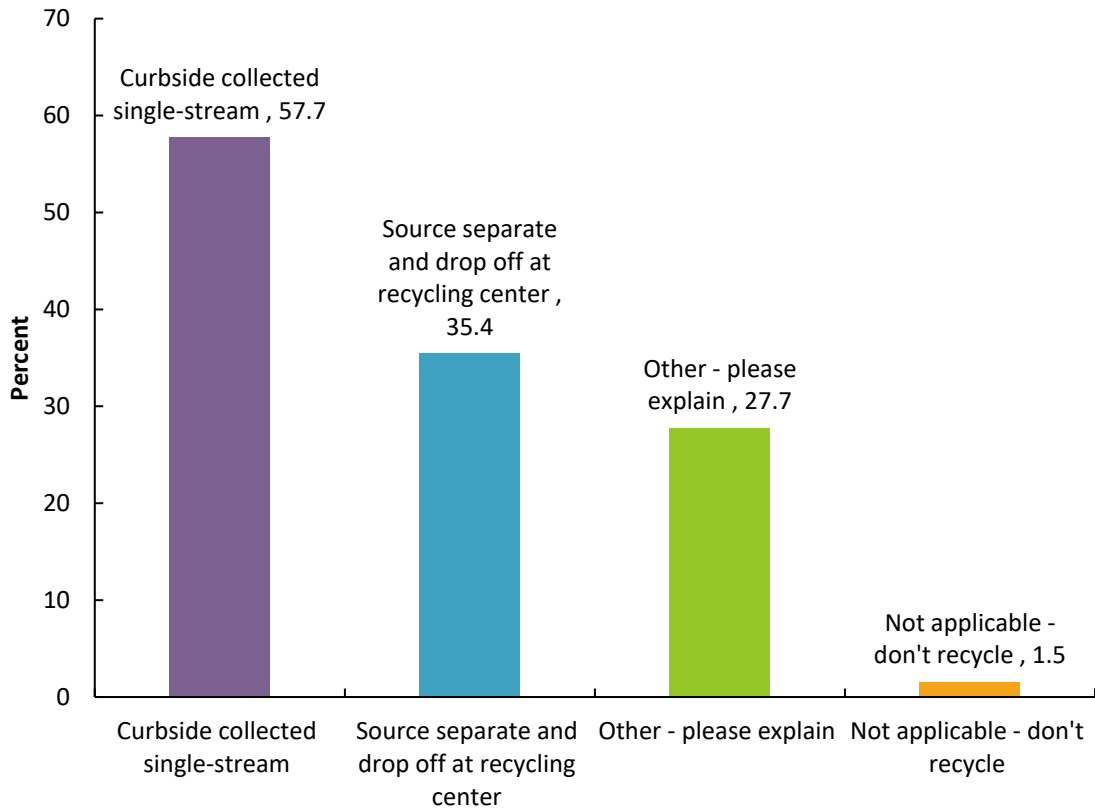
Value	Percent	Count
Yes	81.8%	9
No	18.2%	2
	Totals	11

39.Does you organization recycle any of the following? (check all that apply)



Value	Percent	Count
Paper	93.9%	123
Cardboard	96.2%	126
Aluminum	93.9%	123
Metals/Tin	77.9%	102
Plastic	91.6%	120
Glass	65.6%	86
Food Waste	44.3%	58
Green/yard waste	13.7%	18
Other - please list	9.9%	13

40.How are you recycling business waste? (select all that apply)



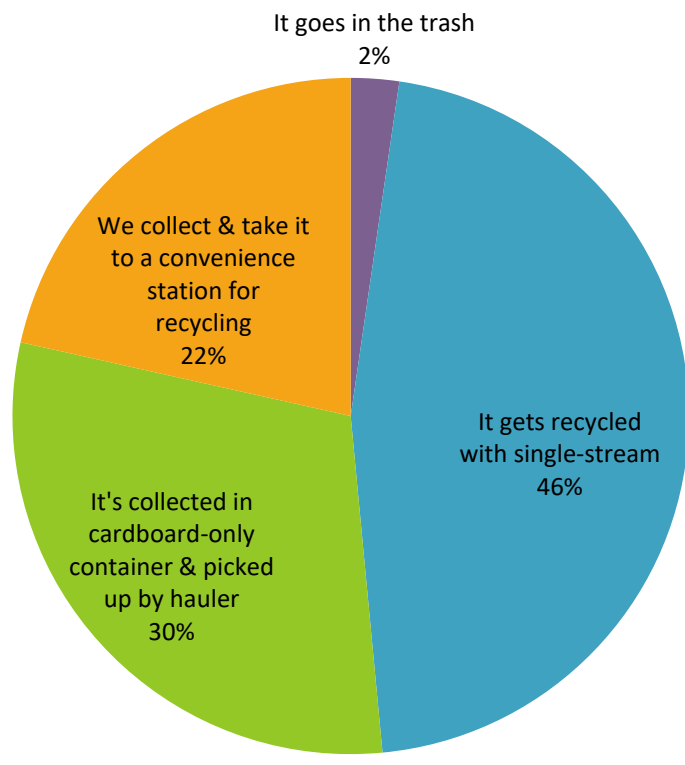
Value	Percent	Count
Curbside collected single-stream	57.7%	75
Source separate and drop off at recycling center	35.4%	46
Other - please explain	27.7%	36
Not applicable - don't recycle	1.5%	2

Other - please explain	Count
Buy taking metal to Denver	1
Cleaning company picks up cardboard and paper recycling, we bring our compost and glass recycling to town hall.	1

Clear Intentions for Glass	1
Clear Intentions for glass, SRO for food scraps, co-mingled recycling	1
Commingled hauled by waste management	1
Company Sustainability Coordinator	1
Dumpster behind building	1
Dumpster/ Recycling Buildings	1
HOA provides a recycling bin, it is assumed it is single stream because only one bin is provided	1
I handle waste at events, and what cannot be brought to the drop off center is collected in recycling dumpsters/toters	1
I take it home to re purpose	1
MRF does some .Landfill shop does none.	1
MRF recycles. Landfill shop does not recycle.	1
On site compactors	1
PW also recycles asphalt and other materials	1
Single-Stream dumpster/glass is dropped off at recycling center	1
Single-source dumpster	1
Town Enclosures	1
Trasn enclosure	1
Waste Management contract	1
Waste mgmt and Clear Intentions for Glass	1
We have a sustainability department as well as a separate company that recycles certain items for	1

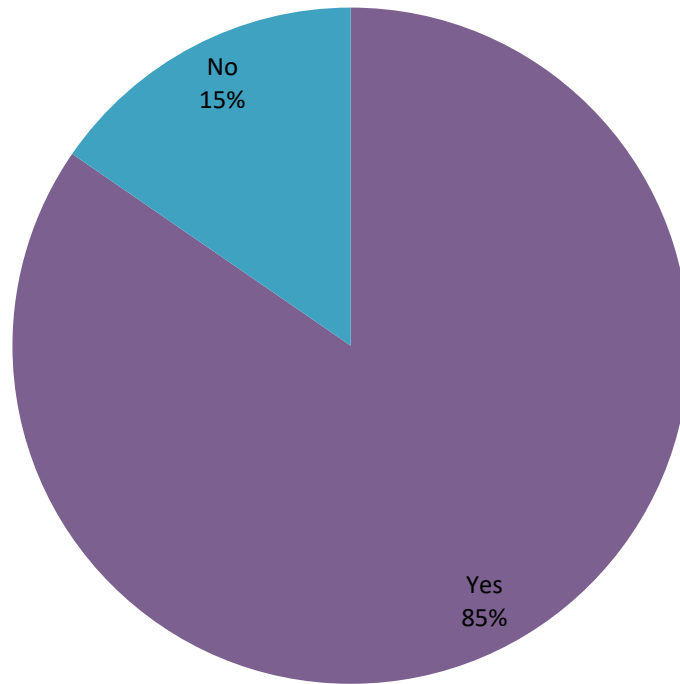
us	
We specialized bins at PW	1
building provided recycling	1
collect in dumpster, provider picks up	1
comingled in dumpster building	1
dumpster in trash enclosures	1
enclosures	1
on site dumpsters	1
pick up at facility	1
receptacles located at resorts/offices	1
separate (large) bins for each major type	1
seperate containers	1
some internal hauling as well, should be all third-party soon	1
sustainability coordinator	1
we pay Waste Management for a container (yellow lid)	1
Totals	36

41.What is your business currently doing with cardboard?



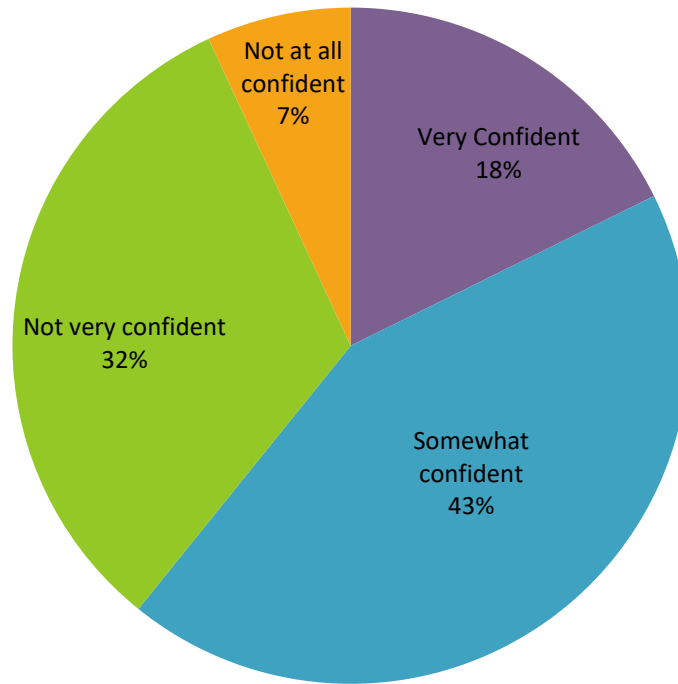
Value	Percent	Count
It goes in the trash	2.3%	3
It gets recycled with single-stream	46.2%	60
It's collected in cardboard-only container & picked up by hauler	30.0%	39
We collect & take it to a convenience station for recycling	21.5%	28
	Totals	130

42. Did you know that glass is not allowed in Summit County's single-stream recycling?



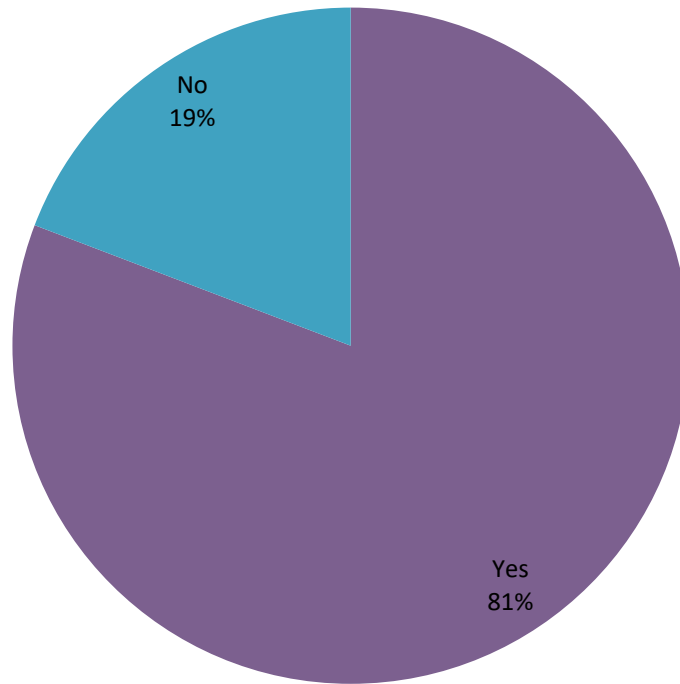
Value	Percent	Count
Yes	84.6%	110
No	15.4%	20
	Totals	130

43.How confident are you that your staff and customers understand what goes in the recycling bin?



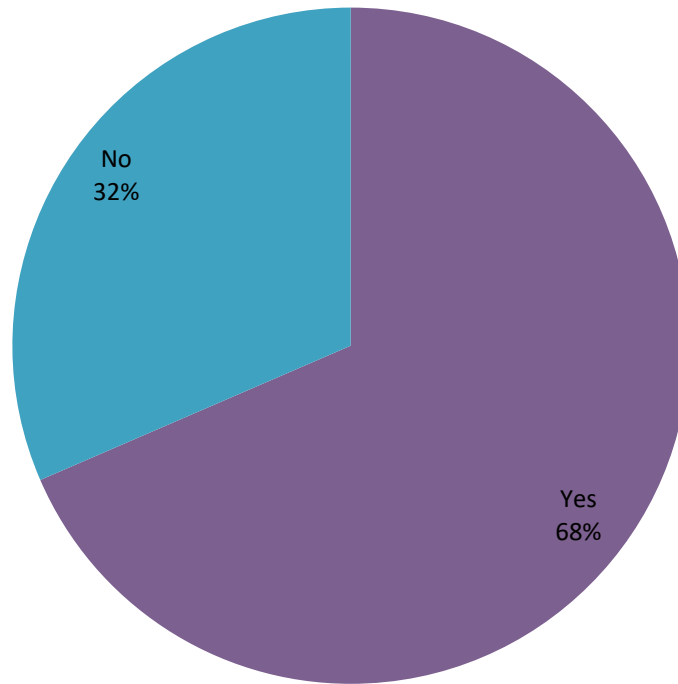
Value	Percent	Count
Very Confident	17.7%	23
Somewhat confident	43.1%	56
Not very confident	32.3%	42
Not at all confident	6.9%	9
	Totals	130

44. Do your business recycling bins have labels to communicate what goes in the bin?



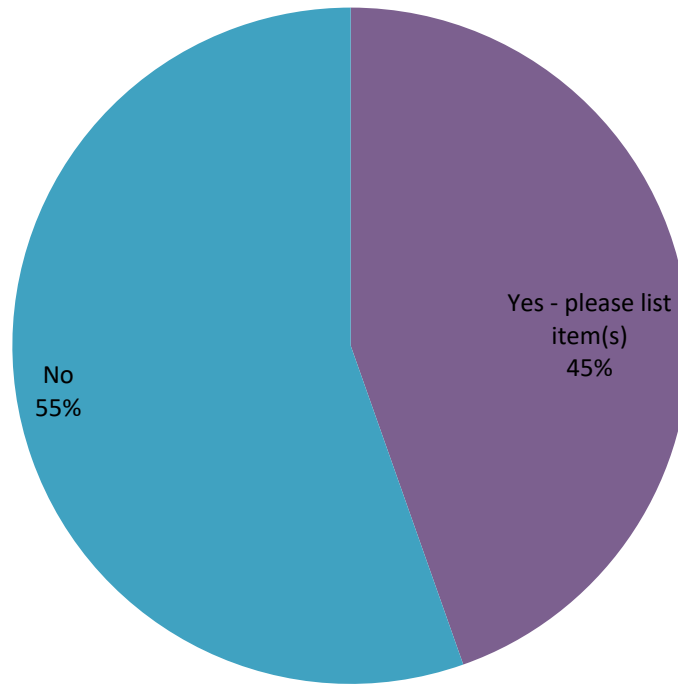
Value	Percent	Count
Yes	80.8%	105
No	19.2%	25
	Totals	130

45. Do you think better bin signage (or labels) would result in less contamination in the recycling bin?



Value	Percent	Count
Yes	68.5%	89
No	31.5%	41
	Totals	130

46.Do you have any materials that you would like to recycle at your business, but currently cannot?



Value	Percent	Count
Yes - please list item(s)	44.6%	58
No	55.4%	72
	Totals	130

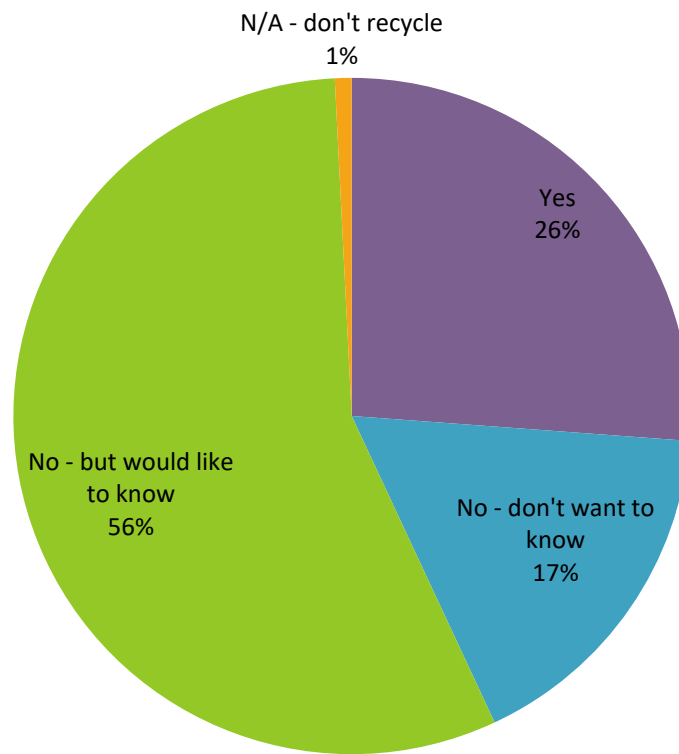
Yes - please list item(s)	Count
Glass	8
glass	4
Glass	2
food scraps	2

5 & 6 Plastics	1
All types of plastics like clamshells. Styrofoam	1
Cardboard	1
Florescent tube light bulbs	1
Food scraps	1
GLASS!	1
GLASS! But this is changing when we move to haulers vs. bringing it ourselves.	1
Glass, compost	1
Glass,Cardboard,Plastic,Aluminium ...We tried to use local companies for our recycling (Talking Trash.,Timberline, this was very frustrating to say the least.	1
Maybe food-handler gloves?	1
More of the Plastics	1
More types of wood	1
Plastic besides #1 and 2	1
Plastic lids	1
Plastics, Cans	1
REAL compostable cutlery, plates, and napkins (no bio plastics, just wood or paper based products)	1
Recycled PET fabric scraps	1
Some plastics, wood and materials used for sets, paint and other flammable materials, occasional electronics	1
We have recycling containers and people still mix	1

it all up	
cans, plastic	1
construction materials	1
film, plastic wrap, bubble wrap etc.	1
food	1
furniture, electronics	1
glass & composting	1
glass and 3-7 plastics	1
glass and clamshells	1
glass, cardboard - we currently take to the recycling center and it is timely and costly	1
glass, electric	1
glass, food scraps	1
glass, plastics besides 1 and 2	1
many	1
more plastics, such as clamshells	1
more than #1& #2 plastics	1
motor oil	1
plastic film/bags	1
plastic wrap / bags	1
plastics	1
refrigerators	1
separate recycling for cardboard, plastic,	1

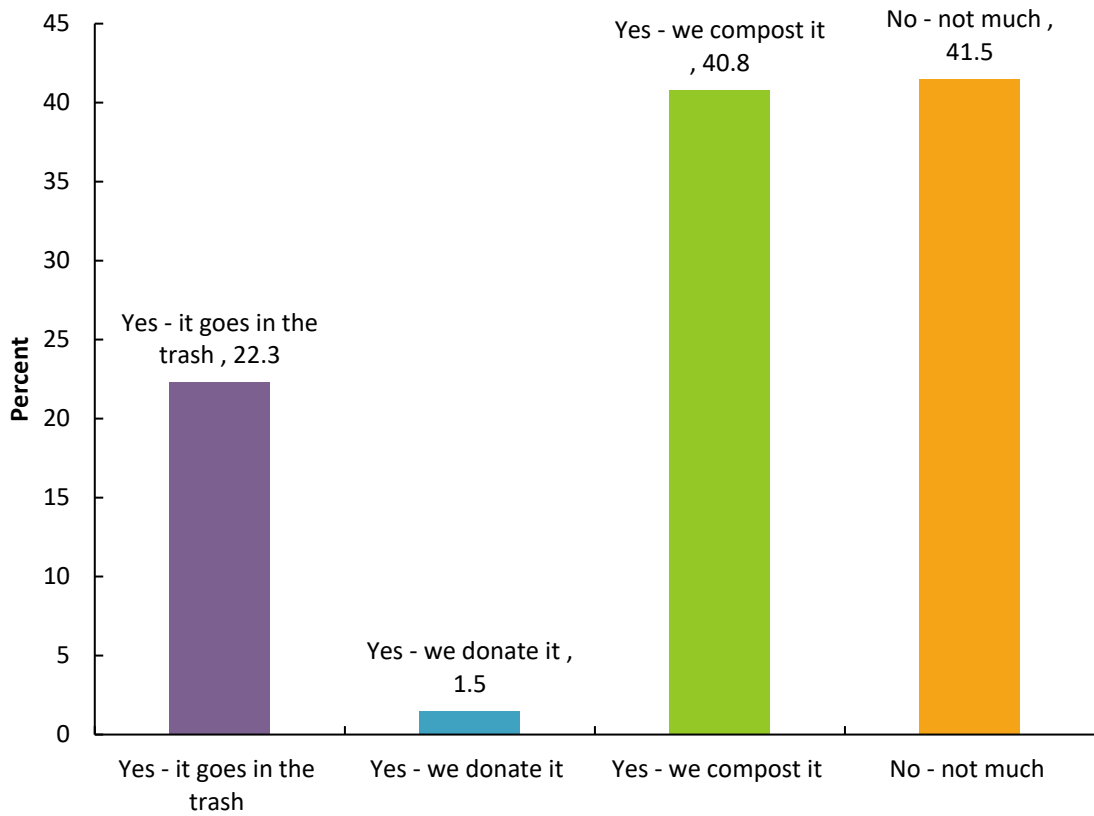
aluminum	
some plastics	1
Totals	57

47.Do you know how much your business is recycling annually?



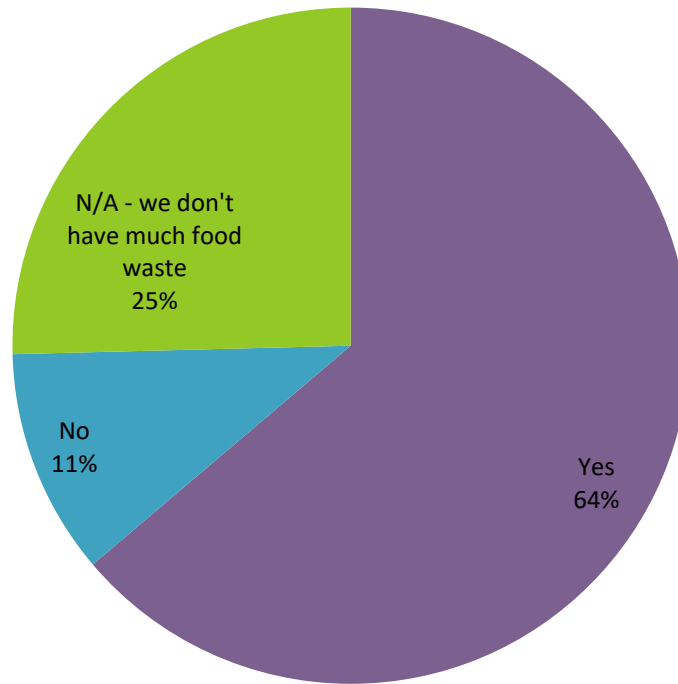
Value	Percent	Count
Yes	26.2%	34
No - don't want to know	16.9%	22
No - but would like to know	56.2%	73
N/A - don't recycle	0.8%	1
	Totals	130

48.Does your organization generate much food waste? (select all that apply)



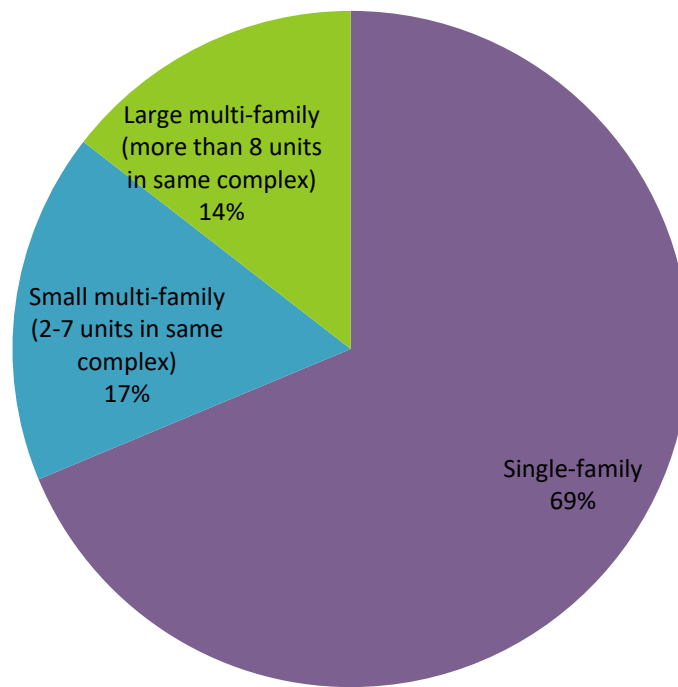
Value	Percent	Count
Yes - it goes in the trash	22.3%	29
Yes - we donate it	1.5%	2
Yes - we compost it	40.8%	53
No - not much	41.5%	54

49. Would your organization be interested in composting food waste if pickup service was offered?



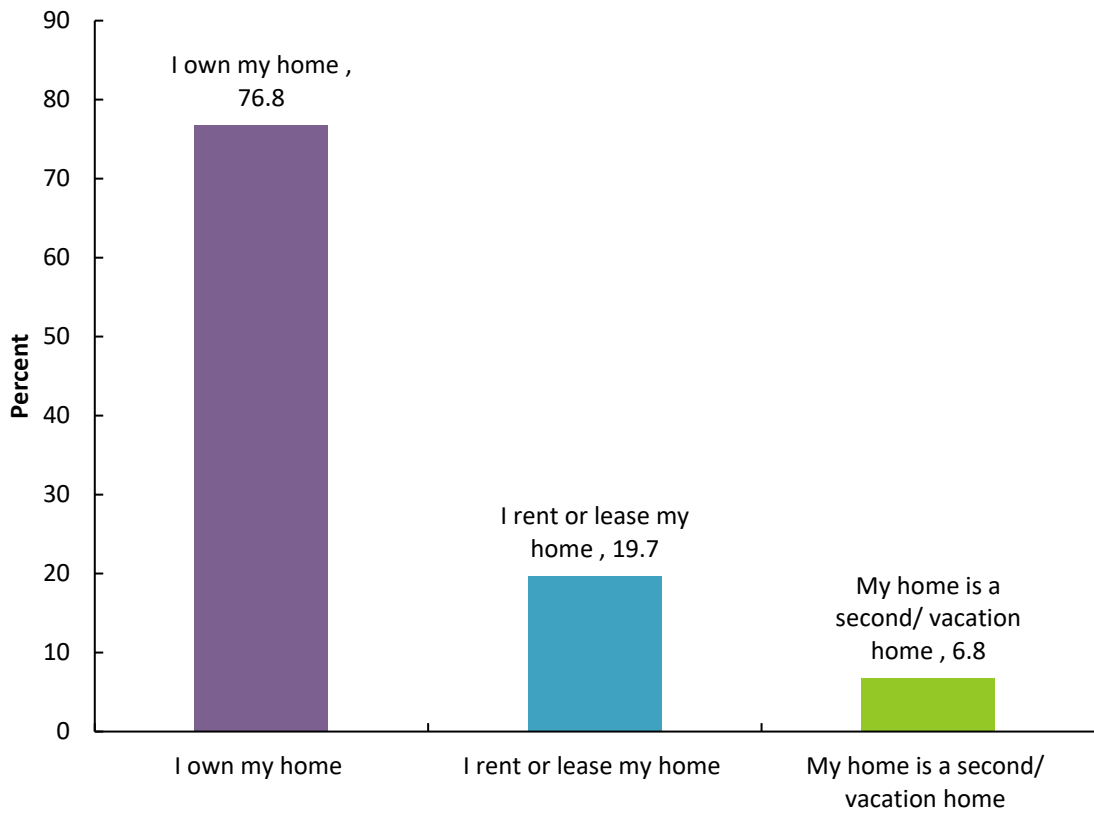
Value	Percent	Count
Yes	63.8%	83
No	10.8%	14
N/A - we don't have much food waste	25.4%	33
	Totals	130

50. Please select which type of home you have?



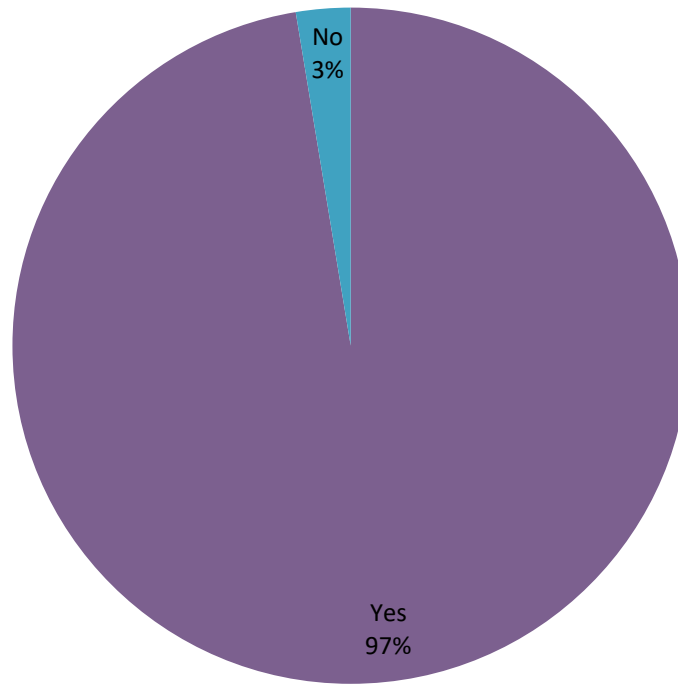
Value	Percent	Count
Single-family	68.7%	402
Small multi-family (2-7 units in same complex)	16.8%	98
Large multi-family (more than 8 units in same complex)	14.5%	85
	Totals	585

51.Please select all that apply:



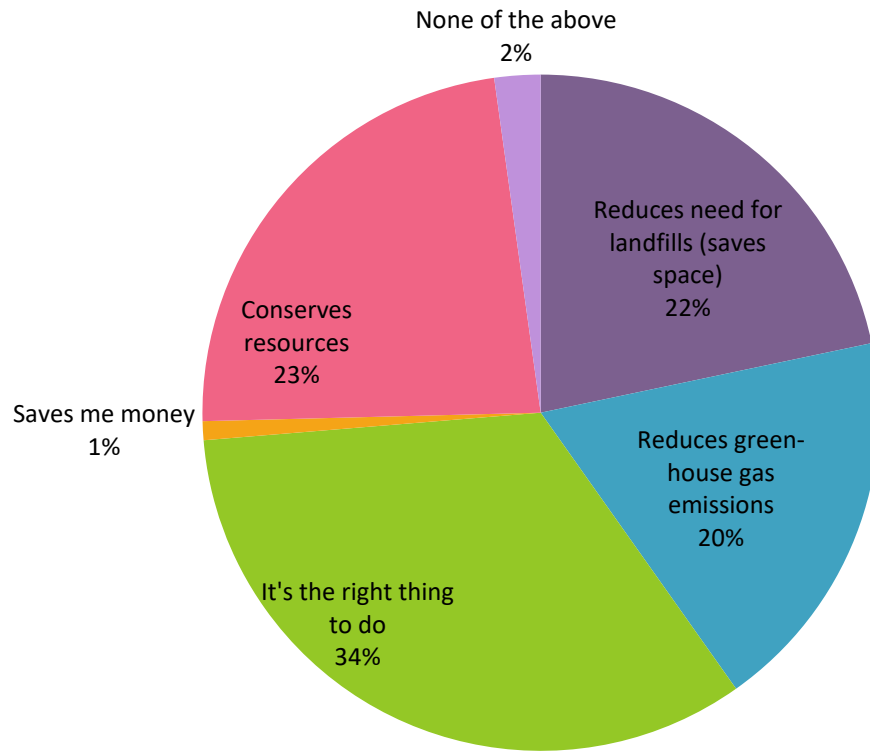
Value	Percent	Count
I own my home	76.8%	449
I rent or lease my home	19.7%	115
My home is a second/ vacation home	6.8%	40

52. Would you like more materials to be recycled, composted, and diverted from landfills?



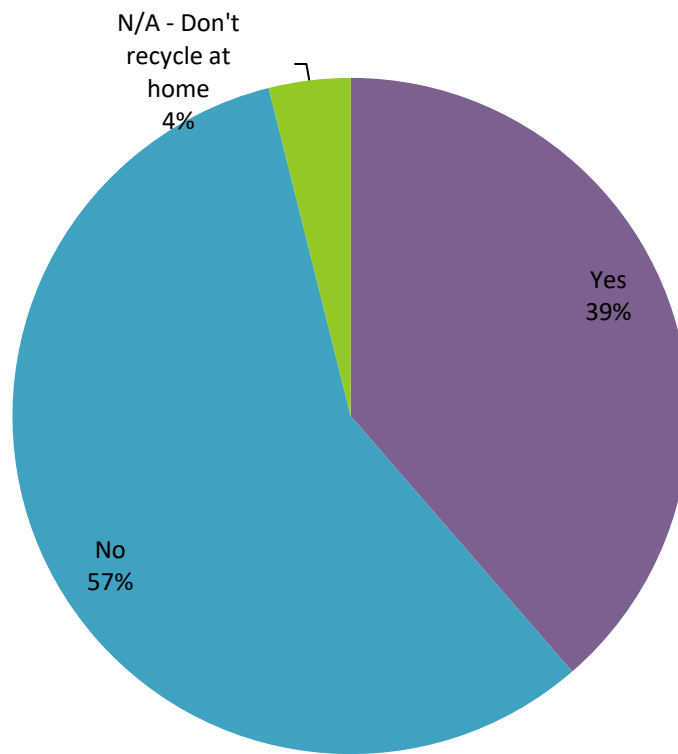
Value	Percent	Count
Yes	97.4%	570
No	2.6%	15
	Totals	585

53.Which reason for diverting waste from landfills (by recycling and composting) do you feel most motivates you?



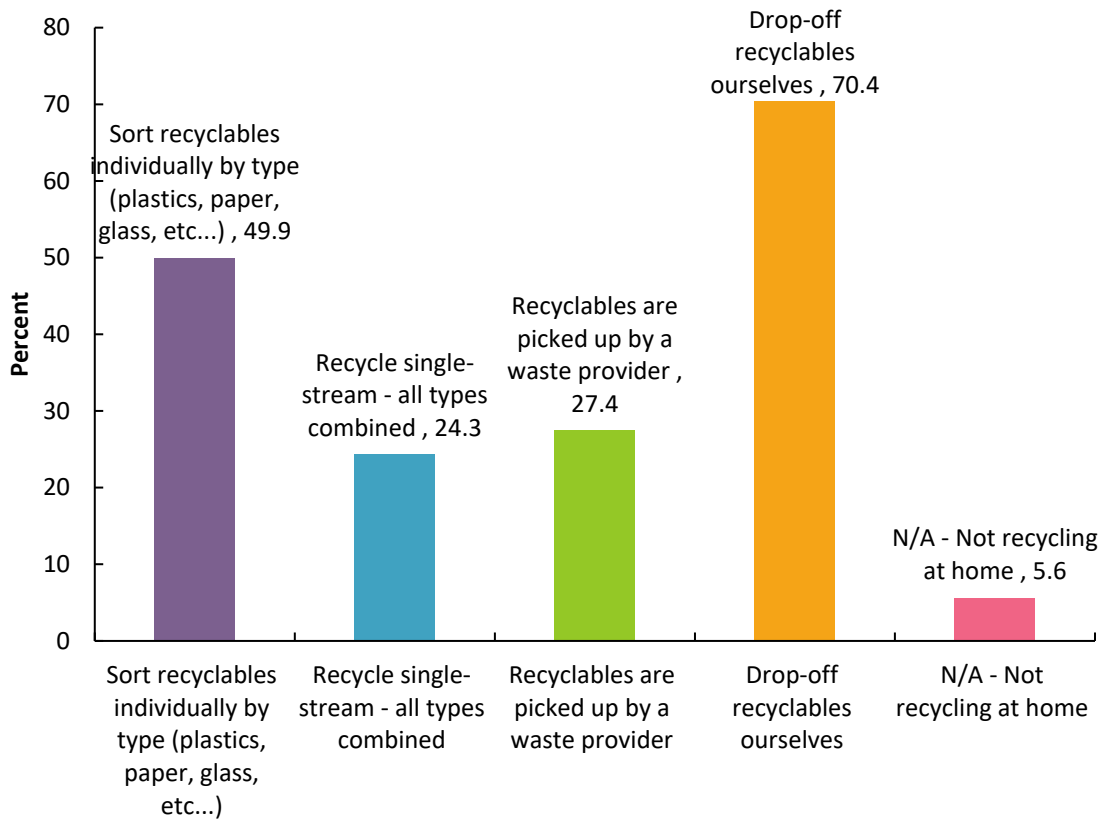
Value	Percent	Count
Reduces need for landfills (saves space)	21.7%	127
Reduces green-house gas emissions	18.5%	108
It's the right thing to do	33.5%	196
Saves me money	0.9%	5
Conserves resources	23.2%	136
None of the above	2.2%	13
	Totals	585

54.Do you feel that your options for recycling at home are convenient enough?



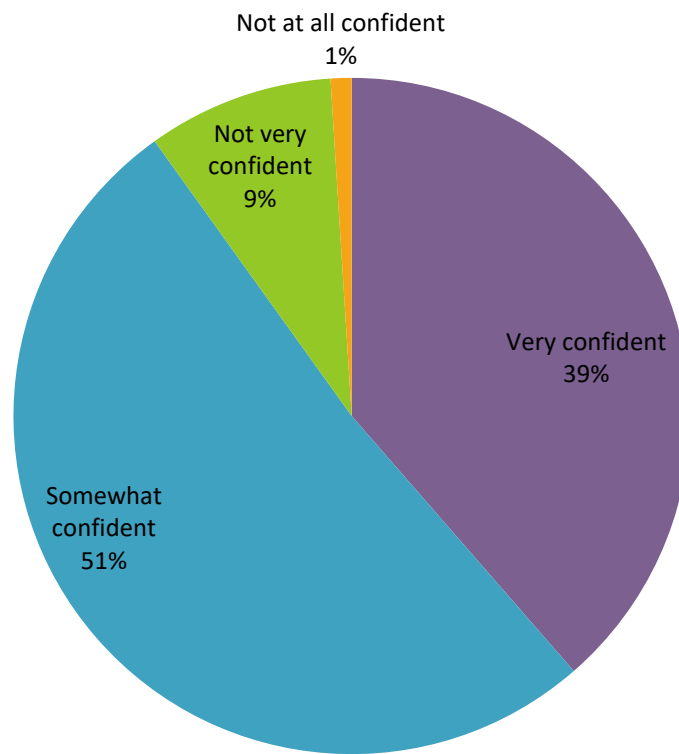
Value	Percent	Count
Yes	38.6%	226
No	57.4%	336
N/A - Don't recycle at home	3.9%	23
	Totals	585

55. Please select all options below that describe how you recycle at home.



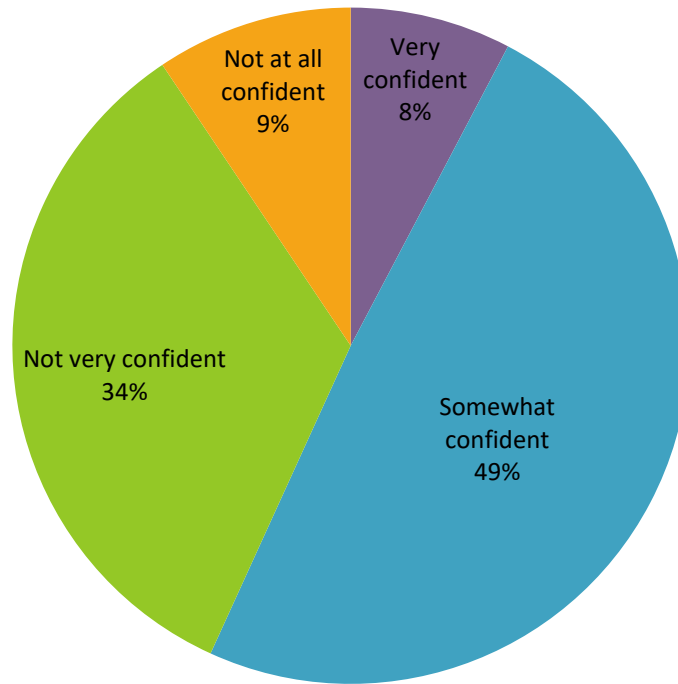
Value	Percent	Count
Sort recyclables individually by type (plastics, paper, glass, etc...)	49.9%	292
Recycle single-stream - all types combined	24.3%	142
Recyclables are picked up by a waste provider	27.4%	160
Drop-off recyclables ourselves	70.4%	412
N/A - Not recycling at home	5.6%	33

56.How confident are you that you understand what goes in the recycling bin?



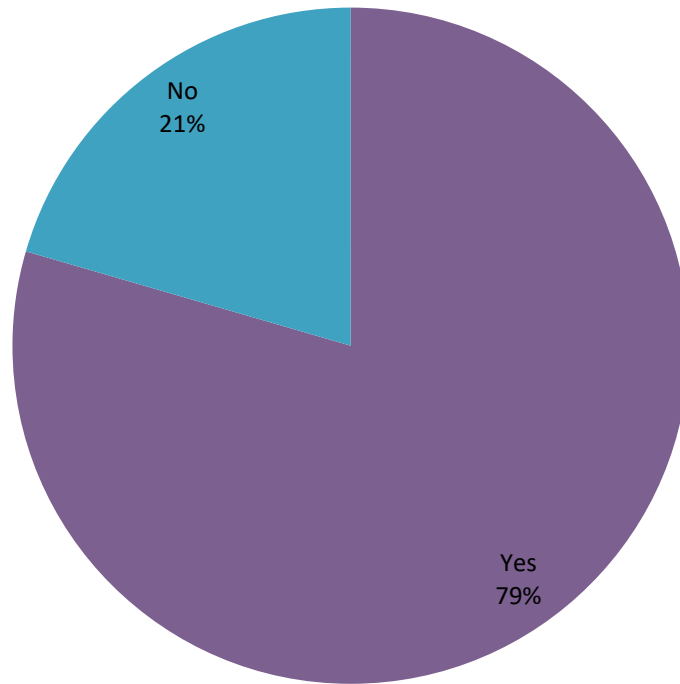
Value	Percent	Count
Very confident	38.6%	226
Somewhat confident	51.5%	301
Not very confident	8.9%	52
Not at all confident	1.0%	6
	Totals	585

57.How confident are you that Summit County's recyclables are being recycled?



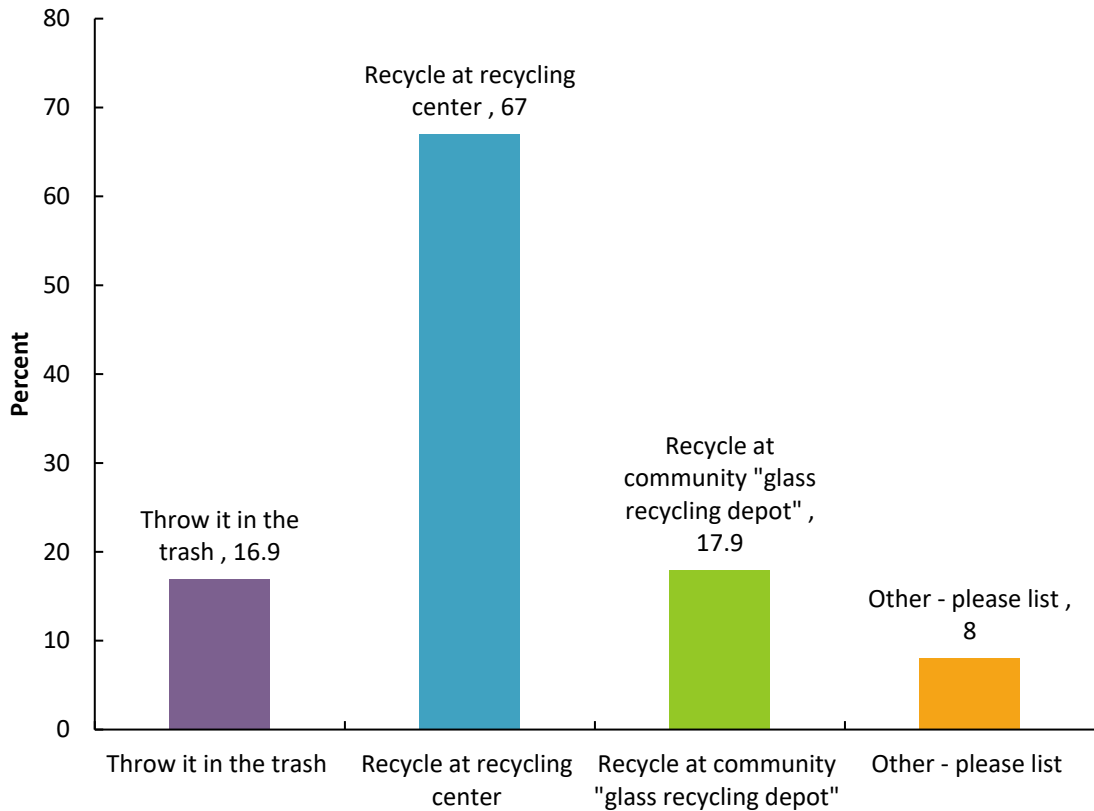
Value	Percent	Count
Very confident	7.7%	45
Somewhat confident	49.1%	287
Not very confident	33.8%	198
Not at all confident	9.4%	55
	Totals	585

58. Did you know that glass is not allowed in Summit County's single-stream recycling?



Value	Percent	Count
Yes	79.5%	465
No	20.5%	120
	Totals	585

59.What are you doing with glass? (select all that apply)



Value	Percent	Count
Throw it in the trash	16.9%	99
Recycle at recycling center	67.0%	392
Recycle at community "glass recycling depot"	17.9%	105
Other - please list	8.0%	47

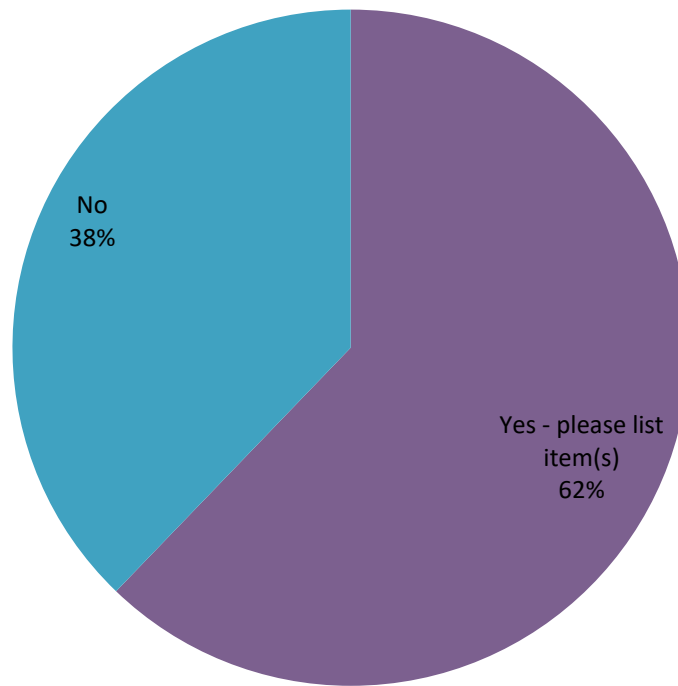
Other - please list	Count
Clear Intentions	2
A Basin Ski Area	1
Apartment building next to my house contracts with Clear Intentions, so I poach their glass bin.	1

BGV has glass specific bins	1
BGV recycling	1
Blue 52 has a glass bin to recycle glass	1
Bring it to a friend in Denver	1
Bring it to work	1
Bring to work (Clear Intentions picks up our glass)	1
Bring to work - Clear Intentions hauls	1
Building has glass recycling bin	1
Clear Intention where I live.	1
Contract with separate supplier	1
Didn't know that	1
Dillon drop off	1
Don't use	1
Glass bin at work	1
Glass is picked up here	1
I bring all my recycling (and compost) to my employers (Keystone Science School or A-Basin) since my apartment complex (Dillon Ridge Apartments) only have trash disposal.	1
I live in Eagle County	1
Plastics not accepted at recycling center go in recycling bin at our complex.	1
Recycle at work	1
Recycling in the town enclosure	1

Repurpose at home	1
Single stream at work	1
Take home to Denver	1
Take it to other home or try to not buy glass	1
Take to Silver Mill HOA glass toter for Clear Intentions pick up	1
Take to a friend's in another county	1
Waste Management drop off in Silverthorne	1
bring it to work to add it to recycling	1
bring to my company where we separate all glass products and our sustainability department properly recycles the glass	1
bring to work for recycling	1
curb pick up	1
drop off in single stream where it is sorted	1
drop off location	1
hauled by WM	1
recycle at work	1
reuse	1
sort recyclable and take to recycle center	1
take it for recycle in Denver	1
take to work	1
there is glass recycling pickup at my apartment complex	1

unsure what HOA mgmt is doing with the separated glass	1
we a coordinator that pick up our glasses	1
we have Glass bins, not sure where they're	1
Totals	47

60.Do you have any materials that you would like to recycle at home, but currently cannot?



Value	Percent	Count
Yes - please list item(s)	62.2%	364
No	37.8%	221
	Totals	585

Yes - please list item(s)	Count
Glass	22
glass	16
more plastics	6
plastic bags	4

#5 plastics	3
All	3
Glass	3
Plastic bags	3
food scraps	3
Compost	2
Everything	2
PLASTIC other than bottles	2
Plastics besides #1 and #2	2
all	2
all plastics	2
batteries	2
clam shells	2
compost	2
other plastics	2
plastics	2
styrofoam	2
clam shells, plastic bags, styrofoam	1
variety of plastics	1
#1 clamshell, food scraps	1
#3-5 plastics	1
#5 plastic, clamshells	1

#5 plastics and bags	1
#5 plastics, #1 containers	1
2-7 plastics	1
3, 4,5 Plastics	1
3-7 plastics	1
5 and 7 plastics	1
?	1
A recycle bin	1
Additional plastics	1
All plastics !!	1
All 1 & 2 Clam shells and plastics, #5 plastics	1
All Plastic other than #1 & #2	1
All Plastics	1
All Plastics 1-7	1
All of them. I take to Frisco recycling center	1
All plastic numbers	1
All plastic types.	1
All plastics - currently only some 1 and some 2 plastics can be recycled.	1
All plastics -1, 2, 3, 4, 5, 6, 7	1
All plastics including styrofoam	1
All recycling as mentioned above.	1
All, no recycling at our property	1

All. We do not have recycling at our complex	1
Bags	1
Batteries, electronics, textiles	1
Batteries, paint	1
Batteries, refrigerator water filters, plastic bags	1
Battery	1
Cardboard (I live in Leadville)	1
Cardboard and glass	1
Certain Plastics	1
Certain plastics	1
Certain types/numbers of plastic.	1
Chicken broth containers	1
Clam shells (like berries come in) and yogurt containers.	1
Clam shells, plastic bags, milk cartons with wax	1
Clam shells. Milk carton spray cans more plastics	1
Clamshell plastic containers from fruit, yogurt contains, pretty much all plastic that does not have a screw top	1
Clean tinfoil	1
Clothing, shoes, skis	1
Compost	1
Compost (food waste), plastic clamshell containers	1

Compost material I would want to learn more	1
Compost materials	1
Compost!	1
Compost...won't pay to take it to recycle center but most of my trash is compostable. Only have 1 trash pick up per month	1
Composting for reasonable cost	1
Composting materials	1
Cotton, number 5 plastics	1
Different plastic	1
ELECTRONICS!	1
Electronics	1
Electronics, DVD and paper	1
Everything - recycling isn't included at my complex	1
Everything recyclable	1
Everything, it's not convenient to recycle at home and it costs money to do so. There should be a deposit paid when you buy aluminum cans and glass so people will return them for their money back and cardboard, compost, etc should be included in your garbage pickup. I am from Canada and that's how they do it there and everyone does it	1
FREAKIN PLASTIC FOOD CLAMSHELLS! and other 1 and 2 plastic, 3-7 plastic	1
Food Waste, plastic clam shells	1
Food scraps	1
Food scraps, milk cartons, tetra paks	1

Food scraps/composting	1
Food waste	1
Food waste/compost	1
Glass & compost	1
Glass, Aluminum	1
Glass, all plastics 1-5, including restaurant carry-out packing and clam shells	1
Glass, all types of plastics, particularly produce containers, packing materials (like plastic air membranes)	1
Glass, batteries	1
Glass, batteries, oil, some plastics	1
Glass, compost ALL possible items including napkins, paper towels	1
Glass, electronics, more plastics	1
Glass, plastic bags	1
Glass.	1
HOA provides no recycling	1
Higher level plastics would be nice. We can only do 1 and 2 right now	1
I currently bring all recyclables to Dillon's drop site or to my place of employment	1
Kitchen scraps, i.e. compostables	1
Large cardboard boxes that don't fit in recycling bin	1
Light bulbs and batteries	1

MORE PLASTICS	1
Many! Such as pizza boxes. We are too picky!	1
Metal yard stakes, non translucent #1 plastics	1
Milk cartons	1
More Plastics -berry/yogurt	1
More forms of plastic, chip board, glass	1
More plastic and milk cartons	1
More plastic types	1
More plastics	1
More plastics, I have a lot of 5s that go in the garbage	1
More plastics, not just 1 and 2	1
More than just 1&2 plastics, shredded paper	1
More than just plastics 1 and 2	1
More types of plastic	1
More types of plastic - 3,4,5,6	1
Most plastics, Frisco only accepts 1 and 2	1
My roommate	1
Newspapers. There is no drop off place for Summit Sky Ranch.	1
No. 5 plastics	1
Not enough plastics recyclable in summit county	1
Number 5 Plastics	1

Oil	1
Old clothing, food waste, all plastics 1-7. Our trash company says they take all the plastics, but the landfill where they are now forced to take them only takes 1&2s, so I am unclear how that all works. Does it all just go in the trash?	1
Other Plastics, clamshell #1 containers	1
Other classes of plastic than 1 & 2	1
Other plastics (fruit containers)	1
Other plastics beside #1 & #2	1
Other plastics beside 1 & 2	1
Other plastics that aren't 1 or 2	1
Other plastics, compostables	1
Other types of plastics	1
Our complex does not have recycling pick up.	1
Our complex no longer recycles due to people not following rules. So currently cannot recycle anything.	1
PETE Clamshells	1
PLASTIC!	1
Pain, nail polish, medicine, some electronics (not computerized) that can;t be recycled	1
Paper, plastic, cans, glass	1
Pizza boxes	1
Pizza boxes, glass, plastic film, and styrofoam.	1
Plastic #3,5,7	1

Plastic #5 should be accepted at drop locations. I have a fair amount of that from food packaging.	1
Plastic 3+	1
Plastic 3-7	1
Plastic bag	1
Plastic bags and food wrappers	1
Plastic berry containers	1
Plastic beside 1&2	1
Plastic cat litter containers	1
Plastic grocery bags	1
Plastic shopping bags	1
Plastic that doesn't have a number ie plastic bags	1
Plastic tubs	1
Plastics	1
Plastics	1
Plastics #3, #4, #5, #6 & #7	1
Plastics (bags and numbers greater than 2)	1
Plastics 3, 4, 5 and 6	1
Plastics 3,4,5	1
Plastics 3-7	1
Plastics 3-7, especially clamshell from fruit/veggie packaging	1
Plastics 3-7, styrofoam, wax-coated cartons (e.g. for coconut water)	1

Plastics beyond #1	1
Plastics not 1 or 2	1
Plastics not accepted at recycling center	1
Plastics other than #1 & #2	1
Plastics other than 1 and 2	1
Plastics other than 1 and 2.	1
Plastics other than 1&2 and styrofoam	1
Plastics over a 2, we take them when we go to Denver	1
Plastics that are not 1 or 2	1
Scrap metals	1
Some plastic. Tubs etc.	1
Starbucks cups and straws, some plastics	1
Styrofoam	1
Styrofoam	1
Styrofoam, food cardboard, brown glass	1
There are a lot of plastics that do not have recycling symbols, especially lids.	1
Variety of plastics and glass	1
Wax lined paper cups	1
We do not have recycling at my apartment.	1
We would recycle everything that's applicable but it's to difficult to recycle in summit.	1
Wood or paper based cutlery, plates, and	1

napkins; soiled paper and cardboard	
Yard waste	1
Yogurt containers - usually #5 plastics	1
Yogurt containers bakery containers fruit containers batteries plastic bags shampoo bottles	1
a greater variety of plastics	1
additional plastic #s, ie. #5	1
all forms of plastic	1
all levels of plastics	1
all plastic. not just 1's and 2's. plastic bags. easier electronic drop off.	1
all recyclables	1
all recyclables- glass, cans, cardboard, plastic bottles etc	1
all types of plastic, not just 1 an 2	1
any type of recycling pick up at my condo complex	1
aseptic containers and plastic clam shells (#1)	1
batteries, appliances, compost	1
batteries, electronics	1
cardboard and glass currently have to take those to my company to recycle from there	1
certain batteries	1
certain plastics	1
clam shell containers	1

clam shells plastic, cartons, electronics, fabric	1
clamshell containers	1
clamshell plastics. batteries	1
clamshells	1
clamshells - curbside compost	1
clamshells and other plastics. also wish we had composting services on site	1
compost items	1
compost, and more plastics	1
compostable kitchen waste	1
compostibles	1
composting	1
curbside compost + electronics	1
deli food containers (strawberries, salad, etc)	1
everything	1
fabric & expanded list of plastics	1
fabric, food scraps	1
film & foil	1
film, bubble wrap etc.	1
glass	1
glass & compost	1
glass, compost	1
glass, e-waste	1

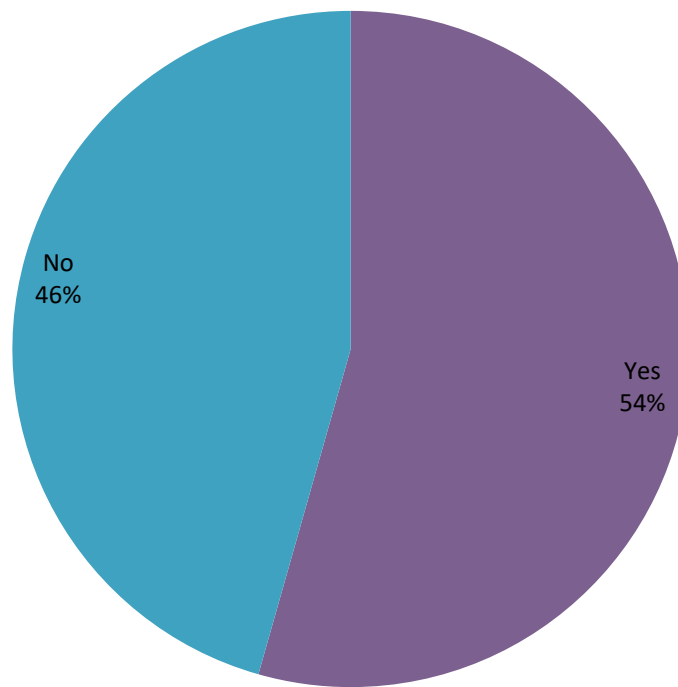
glass, food scraps	1
glass, milk cartons, egg cartons	1
glass, other plastics then 1 and 2	1
glass, plastic & cans	1
glass, plastic bags	1
green waste such as branches	1
hazardous household	1
lawn and garden cuttings; unused food	1
metals	1
milk carton, energy bar wrappers	1
more of the plastics	1
more plastic options	1
more plastic options	1
more plastic options. ie. 3-5	1
more plastics	1
more plastics like#5 etc.	1
more than #1&2 plas	1
motor oil and other automotive fluids	1
motor oil; plastic (not 1&2)	1
oil items, tech products	1
packaging materials	1
paper, glass, plastic	1

paper, plastic, cans, glass	1
paperboard from food products	1
plastic	1
plastic 3-5	1
plastic 3-6, plastic 7, plastic film	1
plastic 5s	1
plastic and paper grocery bags, milk cartons, plastics 3-7	1
plastic bags, glass	1
plastic bags, more types of plastic containers, cartons like milk	1
plastic bags, some clamshell items, styrafoam when it comes to me in shipping, trying to avoid those items	1
plastic bags, tin foil, all types of plastic	1
plastic besides #1 and 2	1
plastic bread bags	1
plastic clamshells	1
plastic other than #1 & 2 narrow mouth	1
plastic other than #1, 2 and plastic bags	1
plastic tubs	1
plastics #3-7	1
plastics -2 to 5	1
plastics 1-7	1

plastics 3-7	1
plastics besides #1 & #2	1
plastics besides 1 and 2	1
plastics in addition to 2 &5	1
plastics not accepted	1
plastics other than bottles	1
pulp fiber packaging	1
refrigerator, without having to pay to remove freon	1
scrap metal, batteries, light bulbs, water filters, bubble-wrap, glass, yard waste, textiles	1
shoes, electronics	1
single stream	1
some plastics	1
some plastics they don't want anymore	1
some plastics, glass, compostables	1
styro foam	1
styrofoam, all plastics	1
tires, oil	1
vynal & plastic bags, styrofoam & packing materials, eletronics	1
worn out textiles, paper napkins and towels, more types of plastics (can only recycle HDPE and PETE)	1
would like single stream pick up	1

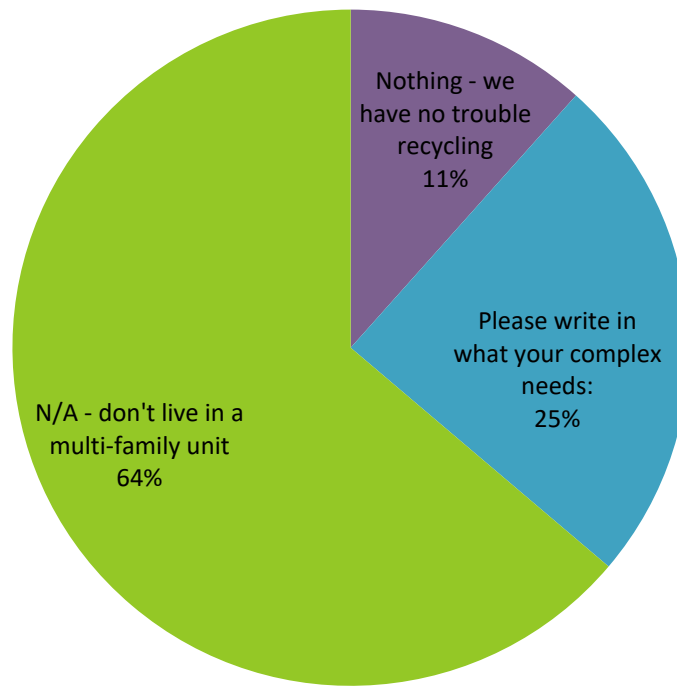
yogurt containers and milk cartons	1
Totals	357

61.Is curbside recycling offered at your residence?



Value	Percent	Count
Yes	54.4%	318
No	45.6%	267
	Totals	585

62.If you live in a multi-family unit (with shared dumpsters), what materials, resources, and/or incentives would help facilitate recycling at your complex?



Value	Percent	Count
Nothing - we have no trouble recycling	11.6%	68
Please write in what your complex needs:	24.6%	144
N/A - don't live in a multi-family unit	63.8%	373
	Totals	585

Please write in what your complex needs:	Count
signage	2
recycle bins	1

A better way to educate short term renters and maybe a trash company that is a little more reliable and easy to work with	1
A receptacle for recyclable materials	1
A recycling container with clear instructions	1
A recycling dumpster/compost	1
A well-established bin system for sorting recyclables	1
ANY Recycling program at all	1
Another dumpster/housing	1
Any signage about how / where to recycle would be helpful. I frequently see large amounts of cardboard in our dumpster. I just don't think people remember to recycle it. Or they can't be bothered. Either way, some signage might help.	1
Bear proof recycle bins and information for short term renters	1
Better signage and the contamination scores.	1
Bin with compartments for recycling	1
Bins for recycling and curbside pickup - most 2nd home owners/vacationers can't be bothered to haul recyclables to County Commons	1
Bins for recycling. We only have trash	1
Convenience for everything	1
Currently we have to pay extra	1
Dedicated recycling 'cart'	1
Drop recyclables off at Dillon Town Hall, bins are often overflowing with material. Need more frequent pickup.	1

EDUCATION	1
Educational printed materials that HOA Management (Reed Properties) can hang on doors	1
Empty bins	1
FREE & single stream	1
Glass recycling	1
Glass recycling	1
Having a recycling bin LABELED & SEPARATED! Maybe a discount on trash or bundle with trash fees.	1
I recycle on my own. My complex doesn't offer recycling.	1
I'm not sure how to change the apathetic attitude that many people have. They just don't seem to care. Incentives may work especially for renters. Make landlords provide instructions for recycling.	1
Informational signage encouraging people to recycle, incentives to encourage recycling	1
Is it possible to provide a glass-only recycling container?	1
It's very hard to get vacation renters to recycle. Many second homeowners don't know (or care?) about the drop off centers.	1
Larger recycleable container, better lables	1
More flexibility of our recycle center	1
More recycling dumpsters	1
More then just a trash dumpster. Recycling bins at every apartment complex should be a law! Don't let property management companies making plenty of money tell you different.	1

Need curbside recycling, lots of short term rentals would need owners to make sure they are recycling/know what to do	1
Need curbside recycling. I collect huge bags in little bathroom, then take them to Dillon fire station. Bins nearly always full. This weekend was 2nd time I had to take stuff home to throw in trash. This is a horrible plan, and I just tell my Denver metro friends that we don't recycle here. I am buying a condo in Blue River Flats, and I don't expect curbside recycling pick up. I would require large complexes to have curbside recycling pick up.	1
No space available in dumpster area for recycling	1
Not only would it be beneficial to have recycling options at a residence, the containers must be bear proof	1
Not sure. Perhaps a way for short term renters to better understand the rules and/or be motivated to follow them	1
Our HOA is resistant to recycling. Not enough space in dumpster bldg. Don't want container outside dumpster bldg.	1
Our complex is mostly short term rentals and it is incredibly hard to get them to recycle	1
Paper, glass, plastic, compost	1
People to follow to rules. Get my dumpsters because alot of trash gets mixed in since people are lazy to go to another dumpster.	1
Recycle Pickup, and a place to store recycle materials	1
Recycle bin	1
Recycle container	1
Recycle pick up and bin	1
Recycling	1

Recycling	1
Recycling Area, Currently ONLY Dumpster	1
Recycling bins and collection from the property	1
Recycling bins at complex would encourage visitors to contribute	1
Recycling bins next to garbage	1
Recycling bins. Maybe separate glass bin.?	1
Recycling containers - it isn't included at my complex	1
Recycling dumpster	1
Recycling dumpsters	1
Recycling offered, single stream and then glass separately	1
Recycling pick up and signage so people know what can go in it	1
Recycling pickup and food waste collection	1
Recycling pickup at the complex	1
Separate bins clearly labeled. Different color different shape with opening just big enough so people don't dump plastic bags filled with trash.	1
Separate bins for recycling that would be picked up regularly	1
Separate dumpster	1
Separate recycling containers next to trash bins would be great.	1
Shared Recycling Points	1
Signage	1

Signs indicating what can be recycled	1
Simply having pick up at our complex	1
Signage on how to open bear proof dumpsters so people dont get frustrated trying to open it and dump their trash in the recycling bin.	1
Single Stream Recycling	1
Single container recycling	1
Single stream or bins at the complex that eliminate trip to recycling center.	1
Single stream pick up	1
Single stream recycling pick up	1
The dumpster can't take plastic bags, which are often used to transport recyclables (especially for rentals!) and it can't take glass	1
The recycling dumpsters are used for trash by short term renters and others. The signage is terrible, and there is no way to monitor what is put into the dumpsters. On many occasions, the recycles are taken by a trash truck and go directly to the landfill.	1
Trash is such a problem in general. We have signs directing people to recycling center but vacationers and renters do not care	1
Trash/recycling shed gets full quick so we need more pick ups	1
Updated signs about what can/cannot be recycled in Summit county	1
Ways to get people to go to recycling center	1
We do not have recycling, only trash so most people do not recycle in the complex for that reason.	1
We do not use shared dumpsters. Timberline	1

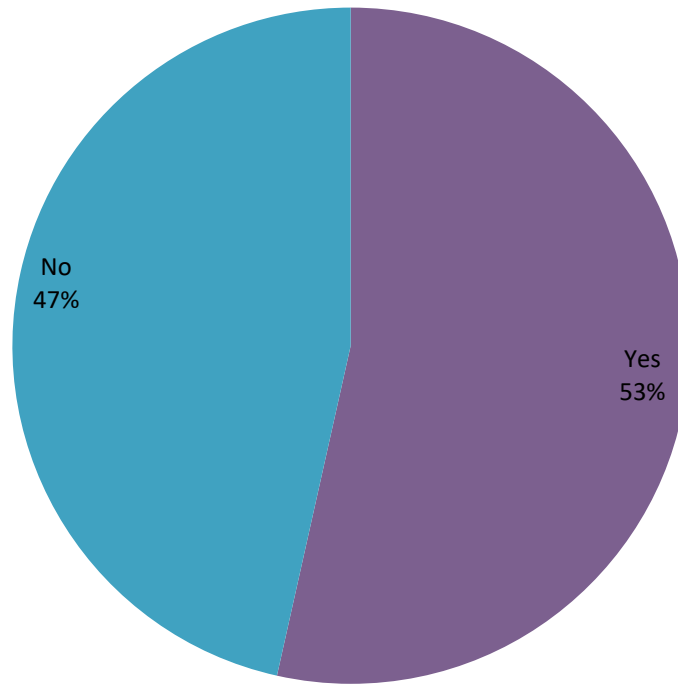
recycling and trash pickup has been less than reliable recently. Additionally I believe recycling and trash should be entered into a shared dumpster somewhere on the property vs single cans per household. Much more efficient and less time sensitive.	
We don't have any recycle bins so some would be great. Especially plastic	1
We have a lot of short term renters who throw glass into the recycling bin, mostly beer bottles. We do not have glass recycling, but if we had a separate bin for glass, it would hopefully stop contamination.	1
We have zero recycling on site, and zero interest from most of the ownership (95% second home owners who short-term their units)	1
We need people who throw trash in dumpsters to understand about recycling!!!	1
We've brought in glass bins. Better instructions are necessary for co-mingled. I separate and take my own to the recycling center.	1
Willowbrook. Single stream	1
Would be great to have a container for glass	1
a pickup location	1
a place to put the items	1
a receptacle for recyclables	1
affordable, reliable pickup service, clear/large signage, bear safe containers, more space	1
anything to get vacationers to actually recycle their waste as they do not	1
better differentiation between trash & recycling dumpsters (many times trash ends up in the recycling shed because people don't realize there is a separate dumpster)	1

better education for residents and guests; we tried single-stream recycling bins but people put food, plastic bags and other items in them	1
better information	1
better single stream	1
bins	1
bins for recycleables and have them picked up	1
collection point	1
compost	1
curbside bins/pick-up	1
educate the people	1
everything	1
get trash haulers to pick up glass	1
glass & compost pick up	1
glass bin would be nice	1
glass recycling	1
glass recycling and compost	1
glass recycling depot	1
i recycle on my own	1
individual bins for backyard storage before moving to communal containers	1
just something for the glass	1
maybe a list of the recycling locations and what is recyclable.	1

mixed owner, STR's, non-primary home	1
more awareness and caring by residents	1
more recycling bins, neighbors who break down boxes.	1
no communal trash/recycling	1
not sure, it's hard as a renter.	1
on site pick up	1
on site recycling would be nice	1
our HOA has a dumpster and I know plenty homeowners are too lazy to recycle as I see a lot of cardboard etc in the dumpster.	1
plastics	1
recycle bins	1
recycle bins, bear resistant bins	1
recycle collection	1
recycling bin(s) next to the dumpster that gets picked up	1
recycling bins and pick-up	1
recycling bins next to trash dumpster	1
recycling bins with good instructions on what can and cannot be recycled	1
recycling dumpsters	1
recycling of any kind	1
separate bins for recycling	1
single stream/glass/corrugated cardboard/Compost	1

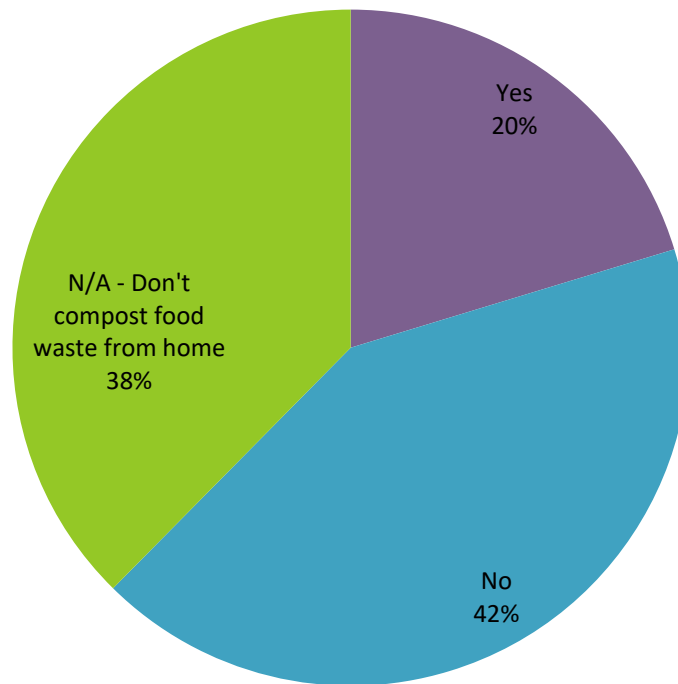
single-stream pick-up	1
some kind of infographic showing which materials are recyclable	1
to many people in neighborhood using dumpster and filling it with deadspace of items that should be brought to SC landfill with things like furniture, computers, TV's and other types of larger items	1
unfortunately the lack of knowledge most likely contaminates all recycling loads	1
we do not have a recycling bin at our complex	1
we only have trash bins	1
Totals	144

63.Are you aware that you can drop residential food scraps off for composting at the recycling centers in Frisco and Breckenridge?



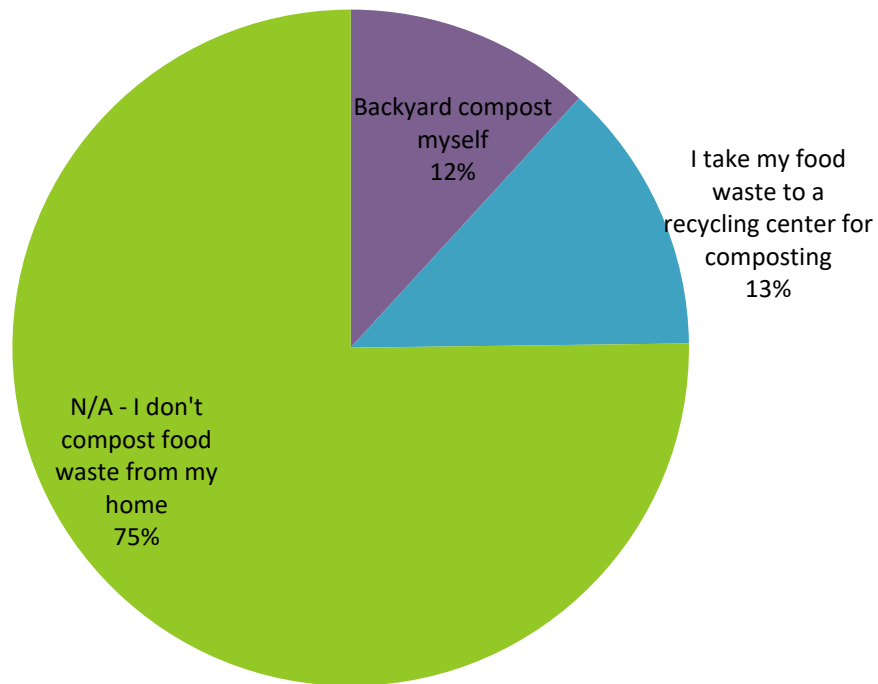
Value	Percent	Count
Yes	53.5%	313
No	46.5%	272
	Totals	585

64. Do you feel like your options for composting food waste from your home are convenient enough?



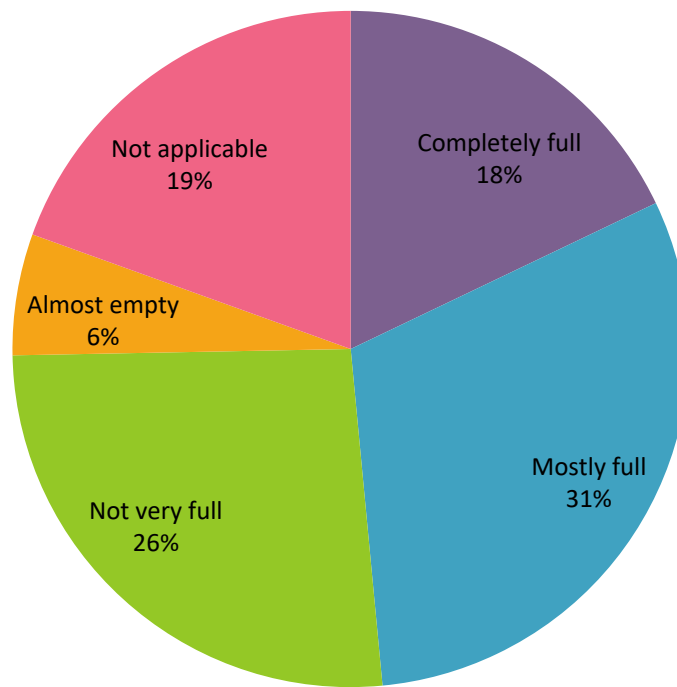
Value	Percent	Count
Yes	20.3%	119
No	42.1%	246
N/A - Don't compost food waste from home	37.6%	220
	Totals	585

65. Please select all options below that describe how you compost food waste from your home.



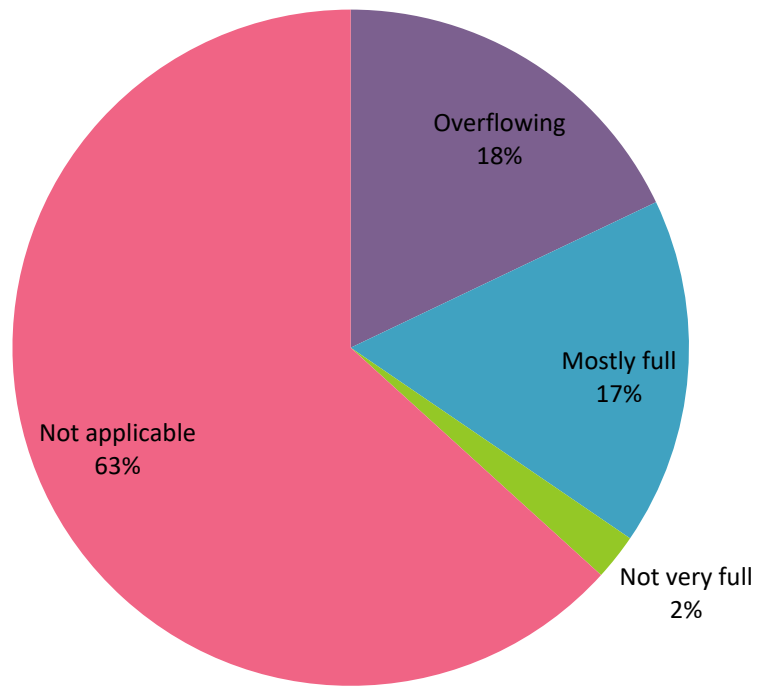
Value	Percent	Count
Backyard compost myself	11.8%	69
I take my food waste to a recycling center for composting	13.0%	76
N/A - I don't compost food waste from my home	75.2%	440
Totals		585

66.How full is your TRASH container (typically) when it's picked up?



Value	Percent	Count
Completely full	17.9%	105
Mostly full	30.6%	179
Not very full	26.2%	153
Almost empty	5.8%	34
Not applicable	19.5%	114
	Totals	585

67.If RECYCLING is picked up at your home, how full is your container when it's picked up?



Value	Percent	Count
Overflowing	17.9%	105
Mostly full	16.6%	97
Not very full	2.2%	13
Not applicable	63.2%	370
	Totals	585

68.What suggestions do you have to help improve Summit County's recycling and composting programs?

ResponseID	Response
8	I believe that more items can in fact be composted, but the facility operators are worried about the messaging. Perhaps just creating a sticker with what is accepted, and send a press release to inform and allow for all items that truly can be composted in the stream. I also think the food drop off should be opened to all citizens of Summit. Recycling is hard though, it is so confusing. Perhaps some form of standardization (state wide?)
9	Visitors and tourists need to participate. It needs to be convenient and located everywhere (more in town receptacles) for ease of recycling and composting.
10	I would like to compost but it seems weird that I would have to pay to compost. If it was free I would definitely do it!
11	Remove barriers and make everything as convenient as possible
13	More and clear communication about what is and what is not allowed (no trash bags etc)
14	Come up with some solutions on how to get those people staying in short term rentals, as well as housekeepers to recycle. But I live in a huge condo complex and I doubt even 25% of the permanent residents recycle. Even though the recycle center isn't very far, sorting it and hauling it is a pain in the ass. If you want people to recycle, you need to have bins on site for them to throw recycling in
15	Start curb side compost pick up program
16	More plastics recycling
17	Invest in the technology to have true single stream recycling. Audit the operations at the landfill to ensure compliance. Eliminate the flow control ordinance to drive competition. Our landfill would probably close but there isn't really anything

	wrong with that
18	the team at HC3 is up to some great things!
21	Response
23	Offering my types of recycling on different days.
24	Put recycled glass to a better use
25	let's get moving with some of the proposed projects from 1A. i think the community is eager to know what's going on and there hasn't been a lot of communication or follow up on this particular tax measure.
26	Residential recycling pick up services seem to vary from what can be recycled at the recycling center. There seems to be a lack of awareness on both what can be recycled and that composting is an option. More community education and education for visitors about how to participate. Clearer messaging to reduce contamination Making recycling and composting as convenient as possible, easier than the alternative Perhaps if recycling and composting were free or very budget friendly options in comparison to trash/ land fill community would be more motivated to follow through
29	Be able to recycle more plastics. Offer containers to collect food scraps at home.
31	Haulers can do a better job. Single stream should be picked up from the recycling center. More plastics should be accepted at the recycling center.
32	Not sure
33	We used to pay for the single stream recycling pick up from WM, but it was pricey and they didn't take everything so we cancelled it. We take the recycling to the center in Breck ourselves. A reliable recycling pick up service that picked up everything, or one specific to the neighborhood, would be awesome.
35	I thought you had to pay for composting. If you do

	not, I would start doing that.
36	Finding a way to recycle more types of plastics.
38	My curbside recycling is often not picked up. I also worry that the recycling at my home & office is actually going in the trash. I also wish that we could compost food scraps & paper at the office, like I've seen at other offices.
39	increase food scrap composting and make it free
40	More info on where recycled materials go Expand types of materials taken Include glass for curbside
45	Education on reducing and reusing. Review the impact and cost share of commercial entities using the recycle containers at Coyne Valley. I see property management companies bring items by the pickup load full - are they paying their fair share to support this program??
46	Standardization
47	Recycling pick up is available in our neighborhood but it is very expensive.
49	Need to be able to recycle all plastics... Just 1 and 2's is not enough...
50	Burn garbage to create electricity.
52	establish guidelines and rules for multi family and condo recycling hauling
54	The biggest problems currently for recycling is the introduction of glass/#5#7... plastics/ etc. into the single stream systems, degrading the quality and value of the recycling. Additionally bagging recycling will make it go straight to the land fill. These messages need to be pushed to the public. Having to look them up on either the collector or SC website is far to onerous for the casual resident/Visitor in Scummit County.
59	Encourage HOA's to install recycling centers somewhere in the neighborhood. We have a dumpster to use for our area, but need to take our recycling to Frisco (live in Silverthorne), so it's not

	super convenient to recycle items. I have separate boxes that we use in our garage, but that takes up space that we'd love to use for something else. If we had recycling containers by our dumpsters, everyone by us would probably do a better job.
60	none
61	Is recycling even a thing right now? Where is it going? Who is taking it? What is it happening to it? We need to stop thinking about recycling and start thinking about how to eliminate the need to plastic packaging. We are only covering a problem up by figuring out more ways to recycle rather than using multi use containers and reducing our carbon footprint as a whole. Recycling is great but a whole lot of fossil fuel is used to take it down to Denver and beyond.
62	n/a
63	Educating the people who move here
64	I would love to go pay as you go as it's probably the best incentive. Would it be worth getting some kind of payback program for recyclables? It would awesome to have glass deposit but is there another option out there that would be low cost or self sustaining? I am SO happy to have clothing/fabric recycle at the landfill! I use it all the time and would love to see it used more. Education is key.
66	More education and availability. Perhaps we could hand out or have available for purchase cool/well designed compostable containers for people to use.
69	It would be nice to have toxic liquids easily recycled. People dump paint, oil and antifreeze in the woods. Its hard to find information on what is the proper method of disposing of toxic liquids. With bears around its also hard to compost?
72	None
75	clamshell recycling curbside compost - free compost at recycling centers. Pay to compost creates a financial disincentive to composting.

77	Glass recycling
78	Figure out a way to reach people more effectively of the benefits and ways to recycle.
79	Better outreach to people about what is acceptable and better signage at drop off locations, including days where actual staffers from HC3 are there to help people understand what can go in the large bins. Composting I hear is being improved but in Breck there are only two small bins and no info on how to use them or why. One look inside these large bins you see a total mix of stuff I know doesn't go in there but clearly it's not getting through to most people.
80	Pretty easy for most residents. Need to make it mandatory in condos and hotels. Even 20 years ago, a number of our visitors expected it as it was what they had at home. And then make sure that the items that are recycled are not picked up by the trash truck.
82	Try to keep drop off recycling for Breck area (the one near CMC) free
85	I think we would benefit from more information on some key questions, like where and how our recycling is actually being recycled? How much gets dumped in the landfill because it is contaminated in one way or another? What can we do to help reduce the amount of contamination?
87	Add curbside compost, more accessible bins for composting, increase the types of items that can be recycled
93	Plastic, paper, glass etc is easy enough to do (I drop off at Breck recycling center). More difficult and confusing for me for less common items like light bulbs and batteries. At community events like street fairs in Frisco it's always hard to figure out what goes in which bin. There are instructions but it doesn't seem like I should have to read a paragraph to figure it out and then I still guess at the end. Also shouldn't require a volunteer standing next to the bin all day to make sure we get it right.

96	Make plastics easier to recycle at the drop-off centers. I can only drop-off type 1 & 2 plastics at the drop-off, but if I used a vendor for recycling they'd take most types of plastic.
97	More drop off locations for composting to make it more convenient for folks. Also, improving accessibility for restaurants to compost would be great!
98	n/a
99	more recycling bins in easy to spot locations
100	Options for can sizes, in the winter - working with the towns and county to train their snow plowers to not knock cans over, maybe another county recycling center in frisco or silverthorne
101	The pick up at home is such a pain and expensive if you find someone to do it. My household does not recycle as much anymore because it has been so difficult recently
104	Solicit and encourage HOAs to recycle. Encourage Short Term Rentals to participate. "Mandate" would be my choice word instead of "encourage" but I know you can't do that.
105	Our trash & recycling pick up is NOT consistent-- don't show up, don't take recycling on the schedule, etc. I'd like to know about the composting program...had no idea!
106	I trust drop off recycling centers, but not my trash hauler so I don't use curbside recycling. I am grateful for Summit County's recycling centers and would love to see expanded centers in Silverthorne and Dillon.
107	Free Composting, or if you pay to participate you receive a high quality at home compost container. Increase size of Dillon drop-off recycling center Add more drop-off centers Subsidize the cost of at home recycle pickup, especially for condo complexes Or Provide County Operated at home pick-up that allows homeowners to use their own containers that homeowners presort to. Or Provide smaller neighborhood pickup locations - every 5 blocks has their own pickup location.

108	More recycling days for electronics/hard to recycle household items
109	Make composting pick up a part of recycling and not an additional fee.
111	Not a suggestion. Most of my food waste goes in the food waste grinder, Insinkerator
112	Recycle glass at home pickup even it means separating it from other recyclables. Better and constant public education by the trash/recycling companies about EXACTLY what can and can't be recycled especially pizza boxes, plastic bottle caps, containers such as yogurt. At least one trash company has picked up recycling and dumped into trash saying the recycling was already "contaminated" ..or did they just not have enough trucks, drivers, didn't want to pay recycling fees.....
113	Find a way to capture new residents/tourists attention on how and where to recycle/compost in the community that we are now going to call home or are just visiting.
114	I would like to know what is actually recyclable and what is not and where it goes.
116	Better and more sinage to explain more precisely why boxes need to be broken down, lids off/corks out of plastic and glass, no greasy pizza boxes, etc., explain the things that ruin the system/make the entire container have to go in the dump. If people know why they have to do something, they are much more likely to do it.
118	better plastic recycling, more compost drop off locations, better education
121	more products accepted more confidence in the recycling companies more options for composting
122	I noticed that glass still causes problems at our recycling station. I often grab glass bottles out of our commingled bins and have to throw them in the garbage bin, because we have no glass recycling at our complex. I hate plastic, but glass is not easy to recycle. I have to drive to drop off my personal glass bottles in Breckenridge.

127	More signs of what can/cannot be recycled. More education around the community.
129	More partnerships with businesses and condo HOA's. Curbside pickup at all condos.
134	more single stream recycling (i.e. not just #1 and #1 plastics at recycling center)
135	na
136	I think there is some confusion between what is and isn't actually compostable in Summit County. Especially with the compostable paper products (it is my understanding that they don't actually break down in this climate/altitude). Also it might be useful to have some sort of generic flyer about recycling in Summit County that people who short term their place can print out and leave for their guests (maybe this already exists though?)
139	I would love to see recycling and trash pick up increased during the busier times of the year (holidays, etc.). Obviously this is difficult for many reasons, staffing being one of them. But our recycling and trash overflow around holidays and it makes it very difficult to recycle properly and attracts bears.
140	n/a
142	Not sure how to engage a transient population - we struggle with that internally as well - but their motivations may be different than longer-term residents. Who do we focus on, and how do we engage that population?
143	set up a mattress collection program develop a more convenient kitchen waste composting program
144	make composting free
145	Reduction of single use plastic is critical.
147	Public Education
148	More information. Believe it or not, I only recently learned that putting dirty containers in

	contaminated the whole batch. I assumed recycled materials get cleaned during the process. It now feels pointless to try to recycle because everyone throws dirty containers in the recycle bins. No one is going to take the time to rinse something out before dumping it while out on Main Street or almost anywhere other than at home.
150	Keep recycling Add recycling areas to campgrounds in Summit! I just camped at speak 1 and the trash was overflowing with recyclable items And people were asking
151	Be consistent. Changes in allowed recyclables is confusing for students and staff.
153	Educating the community reducing all plastic bottles working to show consumers where recycling goes when it leaves Summit
157	Make sure waste hauling companies are giving locals correct info on what can be recycled. Waste management does a good job. Timberline, no. Do a campaign on fact that wish-recycling is contaminating the recycled materials. Tell locals to Do it right or don't do it at all. I know it is hard (and expensive) , but constant education is needed. It is horrible that summit county recycles at a rate less than state average.
159	Follow through is important. I don't see that at work even though we "recycle" the cleaners take it all to the trash.
160	provide more options for recycling plastic
161	More awareness about proper glass recycling and improved ways to recycle glass thru additional Clear Intentions services.
162	Have a clearer website with more information up front instead of additional clicks
164	Increase frequency of pick up to weekly. Start taking glass.
165	more education on what and how things should go in the single-stream bins. In places people actually look/ go.

167	more information sharing on composting! i visited your webpage today to actually sign up for composting. also, continuing to educate on what plastics and materials are accepted and that are not - i thought i was educated but keep learning new things that i am adding to my recycling that are actually not recyclable.
169	Dillons recycling center by the town hall is often overflowing. It should be emptied more often or more containers should be available. Also, people put the wrong stuff in them, especially the wrong kind of plastics.
170	take other plastics, like #5, 3, 7, and plastic bags
172	N/A
173	More education of the public. I understand those who may not believe in the benefits of recycling, but their contamination of the recycle bins with their trash increases the cost to the recycling operator and decreases the viability of these programs.
175	Have all recyclables available for curbside pickup. Provide separate & larger recycle containers for home recycling. I didn't know that Summit County had a composting program.
176	More signage or educational kiosks at the drop-off centers to educate people about why only certain types are accepted.
181	Bigger recycling bins that are more accessible to both residences and businesses
182	Signs describing what can be thrown into the single stream recycle bin. Choices for other bins for the things that can't go single-stream
184	My understanding is that I need to pay to utilize the composting programs in Breck or Frisco. I want to reduce my footprint, but I won't pay for a service like this. More instruction about what can and can't be recycled would be helpful. Many foods I eat come in a #5 container which can't be recycled in Summit...What do I do with these? Is there any hope that #5 could be recycled in the future?

185	More composting locations. More plastic options for recycling
186	Just more knowledge about composting. I compost at our main home in Moline but don't know much about at Breck. Would be good to have information about bears too if composting at home is an option.
189	Trash/Recycle contractors that actually pick up in a timely scheduled manner....more drop off locations for recyclables along with other computer/appliance/waste oil drop off locations
190	WE composted household food scraps via drop off at Frisco recycle center and it was nauseating so after a couple months we withdrew from the program
191	Make Timberline Disposal pickup recycling since I pay them for it and they haven't done it oin a month
192	single stream would be more convenient. Accepting more materials would be an improvement, also.
194	more education and better signage , each time I use a community recycle center I see certain items in wrong bins, items not removed from bags, items that cannot be recycled at center thrown into bins anyway and overall I see evidence of people unaware of what can be recycled or not.
195	More competition
197	Make it accessible. There are so many barriers.
198	Container provided for compost and an educational piece to all homeowners and renters.
201	Have a station in Blue River for drop off
202	glass recycling and composting options for all bars and restaurants in Summit County
203	Don't have suggestions at this time, but thanks for being there to answer my recycling questions

	when they come up.
204	Single container recycling
205	recycle all types of plastic
206	I don't have any at this time.
207	Work with haulers to make glass recycling more affordable and convenient; yes we have drop off sites but most people would prefer a curbside pickup
208	n/a
209	None
212	Bins every where in neighborhood. People need to learn to sort and place single items in bins. No big openings allowing trash or pastic bags fille d with recycling to be dumped
213	educate the community in English and Spanish.
214	Need more information on composting program through city information.
216	It would be great if someone made informational signage we could post on dumpster enclosures.
219	More widespread recycling pick up.
220	Not sure
224	Easier options and item pick ip
225	Get a recycling center in Silverthorne!!
227	Stop charging for scrap metal at the landfill when it is free to drop off at any of the drop off sites
231	Single stream would increase recycling by others, increase the plastics being recycled, continued public education about what is and isn't to be recycled to decrease contamination, have a recycling center in Blue River

232	More/better options for curbside pickup at a reasonable cost. There isn't a lot of confidence that items being picked up now are actually being recycled despite being charged. Also it's not consistent.
234	In places that don't offer curbside pick-up for recycling (I understand this can't happen everywhere), I would love to see reminders about where to recycle. It would help remind people that they should be recycling. Ex: Large office buildings or townhome complexes.
235	Don't charge people to drop off composting items and then charge again for using final product
236	No suggestions.
239	I see a lot of people put things in the wrong bin. Maybe have more signage or an attendant or something. Also implementing a curbside recycling program.
240	weekly recycling pick up, move away from single stream - to individual sorting, fee/ fine for contamination
242	include a compost bin at locations that already offer recycling pick up - especially when there is an enclosure that is safe from animals and "poachers"
245	Exchange large trash roll offs for large recycling roll offs.
246	Hi We own several properties in summit county that we also do short term rentals with. We would really like to understand how the trash pickup can incorporate recycling more efficiently. The condo is in a building that doesnt separate recyclables but our home has a trash service that will pickup but needs to separate glass and cardboard. I think our renters also want to recycle but it seems difficult.
247	Facilitate recycling at multi unit complexes, such as the ones in Wildernest.
251	I'm not sure how to solve it, but it really saddens me when I'm adding my recycling to the specified

	bins at the recycling center in Breck and see other garbage, bags, items in the wrong bins. I feel like people are too lazy to follow the simple instructions of what to put in which bin.
252	we have no room inside our kitchen to collect recyclables before taking them to the recycling cans in our complex. we can barely fit a small trash can. recycling is too inconvenient for us at this time.
254	More plastic recycling options. Information regarding composting. Assurance that the effort put into recycling at the individual level makes a difference at the recycle centers, trash, etc. Often think that recycling is tossed into trash.
260	It's convenient but would like some reassurances that it is being recycled
261	A drop off location in Silverthorne would be amazing. Facilities in Dillon are often full to overflowing. Also, increase the number of recyclable plastics we can drop off.
262	More awareness. Community outreach. Informational lectures on recycling at the historic park ;) -michaela
264	Add recycling for other items mentioned in #13. It would also be amazing to have recycling pick up in my neighborhood instead of having to store it in my home and then transport to the recycling center.
265	Have recycling bins next to every trash can in summit county and have homeowners, apartment owners and business owners aware of Summit County's goals for recycling. Make your voice heard
266	Single stream recycling centers
269	As I said above, add plastic #5 to the accepted materials at the drop off locations, because a lot of food tubs are made of that. I haven't been composting because I felt the cost per month for drop at the recycling centers was too high for the low output I have as a single person living alone. So glad to see the funding from 1A will soon make

	<p>this free, and I plan to start using the service then. Would appreciate a notice of when it becomes free. You can email kylealobewen@gmail.com. Last fall my landlord stopped her curbside recycling service because there was a huge price increase. I think we have Timberline. And I think she said it was going up to \$60 a month or something. Not sure. Anyway, prohibitively high curbside pickup prices may be inhibiting some folks from recycling. Personally, I don't mind sorting and dropping at the collection centers, but this could be the difference between recycling and landfill for folks that find that too inconvenient.</p>
270	More education for the community!
271	Pick up all plastics
274	I did not know about food waste composting.
275	Provide weekly curbside recycling options.
276	<p>Education and ease of use for those that don't live here full time would help immensely. More emphasis on the 'Reduce' and 'Reuse' portions of the saying would help as well. Above that, our society as a whole needs to start treating recycling as part of our lives and developing the infrastructure to handle plastics recycling here in the US instead of relying on other countries to accept it.</p>
277	<p>Summit County should take over all trash and recycling programs in the county. I just fired Timberline (\$135/qtr wkly trash, \$60/qty bi-wkly recycle), and refuse to hire WasteMisManagment (slightly lower rates). I doubt even the County could provide a lesser service. I am normally adamantly against govmt taking over too much; however, trash/recycle is an appropriate utility that should be handled by govmt. Set fees well below current commercial rates, but hit all residences/businesses. Currently MOST residents pay nothing and poach a dumpster. Do the math. Another approach: tax fast food, retail & grocery more, and provide a credit to homeowners who recycle more, by weight or volume.</p>
279	I don't have any.

281	Transparency - where recycling goes; is it really recycled or does it end up in the ocean or goes to China?
283	We like the drop off recycling center in Breck.
284	It would be nice to have all plastics taken. More drop locations would be nice also.
286	Free recycling and composting at home pickup would be nice, and might encourage more participation, however we have no issue taking our recycling to the Breckenridge Recycling Center. If that Center was eliminated, we would end up throwing all our recycling into the garbage as we wouldn't pay for curbside and wouldn't drive outside of Breckenridge
287	We HAVE to get to the point where BPI certified compostable items can be accepted.
288	none at this time
289	I'm from Champaign County Illinois & tge landfill closed, waste hauling fees quadrupled in a week. If I recall correctly we were 1 of the first pilot recycling programs in the USA. Let me suggest education Summit on tge life of the landfill is what the citizens &visitors need to be made aware of as it will have an impact on their budgets.
290	Recycling bins at multi-family condo complexes near the dumpsters.
291	Don't know
292	Empty the recycling drop off locations more frequently.
293	Someone should start a recycling business to take the burden off of Waste Management. They don't seem to be able to keep up or offer much
294	Make the instructions at the recycling center easier to understand. Put photos of what can be recycled on each container.
295	Need easy to access recycle center in Dillon area, similar to Breck/Frisco. The SCRAP location

	requires going thru the gatehouse, so just create a segregated facility up there that includes glass, compost, and scrap metal. Also, how can we compost yard debris? The summer yard debris far out weighs the food scraps.
297	We need recycling containers in SILVERTHORNE!!
298	Take glass in addition to the other items. Provide compost pickup
299	Actually recycle the materials received, publicize that materials are being recycled, and promote the recycling program. Most Summit County locals do not recycle due to the inconvenience and apathy.
300	more options for plastic recycling at drop off centers because most things you buy are not just 1 and 2.
301	Make single stream recycling more convenient. If not picked up at complex, provide easy, multiple, accessible drop off locations for single stream.
303	Required? Really!?
304	Promote Community awareness for tourists as well as locals.
305	The glass recycling depot at Waste Management appears to have been discontinued. This means we need to drive to Frisco to recycle glass. Not convenient and certainly not energy efficient.
306	none
307	More curbside options, if separated so single stream does not get glass contamination. Take all plastics.
308	Single stream!!! Re-open the Silverthorne recycle center. We had more options there when it was open
310	Focus only on items that can truly be recycled at a profit. Work with property managers to establish recycling for tourists

312	1. Extend hours of recycling drop off places. 2. Move to single source process. 3. Add more drop off locations.
314	I would LOVE County composting pick up. Backyard composting is challenging and difficult for most however it is very important. We recycle all possible and are trying to reduce/ eliminate plastic however I am concerned recycling isn't helping enough
316	Composting pick up programs
319	Discounted trash hauling for waste diversion (recycling, composting, etc)
321	Build awareness. I'd happily do it if I knew how it worked and there were convenient drop-off spots.
322	Recycle in summit especially in silverthorne is so difficult we do not recycle. I used to go through the trouble of separating the recycle material but I do not have time to drive to Frisco when silverthorne recycle center closed. I run a biz and have a family of four I really wish our taxes went to a recycle program that was viable. Our plastic is burned, glass not accepted, cardboard and aluminum are recycled and this rate makes me sad for a community that cares so much about environment.
325	Convenient location needed in Silverthorne & Dillon
327	recycle more plastics recycle worn textiles (old clothes not acceptable at thrift stores) recycle/compost paper towels, napkins, kleenex understand the nuances of recycling since some things don't obviously fit any of the categories have a full recycling/compost facility in Silverthorne/Dillon so I don't have to drive to Frisco
328	Recycling fall aspen leaves that if not gotten rid of breed ill's for a healthy aspen environment. Leaves decompose but bags don't.
329	Target people who rent out their homes as vacation rentals. Typically, these visitors do not recycle.

330	I need more information about what is recyclable, and what to do with other items such as rags.
334	Special bins for storing composting prior to drop off or pick up. The ability to recycle plastics without a screw on lid
335	add compost in Dillon
336	Provide composting option at all recycle centers. Ours does not have that option.
337	make it more convenient
338	the bins in Dillon are difficult to use, They are high to reach up to and often full
339	Our multifamily buildings have residents and renters. In addition, both individuals and housekeeping staff are taking out trash and recycling. There are complex educational materials & signage needed (in multiple languages) to allow for better recycling sorting both inside individual units and as trash/recycling is taken to centralized containers.
341	Need more recycling in Silverthorne
342	Single stream includes glass. Recycle clue more types of plastic
344	Have more public recycling and trash drop off locations.
345	Offer weekly recycling at home. Inform about composting
346	Give us a composting bin
347	need to build market for recycled materials (more manufactured goods made from plastic, etc); otherwise the economics won't work if we have to ship the stuff overseas.
348	the real problem is Timberline Disposal. On NUMEROUS occasions I have witnessed them dumping my clearly labeled recycling bin into the general trash truck. Or worse yet, they don't pick

	<p>up at all, causing a backlog of recyclables that I then have to take to local dropoff that only takes some of the recyclable items. Someone needs to investigate them, force them to comply, and force them to become a reliable trash/recycling company.</p>
349	<p>More education/ information- how to do it, where it goes, how it helps locally and globally</p>
351	<p>None</p>
352	<p>Do glass</p>
353	<p>Many residential recycling bins are incorrectly or unclearly labeled as to what is recyclable and are contaminated with non-recyclable materials. Contractually require commercial waste haulers to clearly and correctly label recycle bins. Some materials marked recyclable or that appear to be recyclable are not recyclable in Summit County, such as glass, coffee cups, milk cartons, etc. How can residents and visitors know?</p>
354	<p>More composting locations.</p>
355	<p>Each hauler seems to take different recyclables. Streamline so every collection point in the county is the same.</p>
357	<p>Not sure</p>
358	<p>Curbside pick-up</p>
359	<p>It would be great to have a trash bin at the recycling center for non-recyclables that are accidentally brought to the recycling area. I think people often just throw lids and non-recyclable plastics in instead of taking them home.</p>
360	<p>Get the word out about composting programs.</p>
361	<p>If we cannot handle most recycling in summit county allow our carriers (like Timberline) to take material out of the county. Current "rules" are political and simply a way to keep our (summit county) recycle center funded!</p>

363	I did not know there was a place we could take compost to in the county. If there could be more information about where those are and letting people know they exist, that would be great.
364	Start with the biggest waste users!!!! Stores and restaurants!!! We could really make a change and lead the way for other communities if we really wanted to make that change. We could start with promoting ways for the community to recycle or use less. For example I have used my own thermos when purchasing coffee (zero cups wasted) . Sounds small but just add up in one year how many cups YOU use from restaurants on a daily/weekly basis.
366	Communication and education goes a long way. Especially with the number of rentals. Renters don't tend to care about recycling when on vacation. I also believe that recycling should be mandatory with fines attached to those who don't recycle. Also, let's ban plastic bags in Summit County.
367	Timberline Trash does a horrible job recycling. Provide a cohesive program through out the county
368	Single stream at the recycle centers would be helpful
369	More convenient glass recycling and compost options (which don't cost money)
370	Allow trash/recycle collectors to take trash/recycle outside the county.
371	None at this time except increasing being able to recycle some plastics. Thank you for the work.
372	We rented our house and the visitors didn't use recycling at all even though we gave explicit instructions. A friend cleans condos and says almost no one recycles, so guests are going to be a problem. Then there's the time and hassle to sort stuff out only to hear it's not getting recycled anyway. Plus, people are lazy and put things in the wrong containers all the time. In New Jersey, they wouldn't pick up your trash if you hadn't sorted recycling. I don't foresee getting on top of this problem until the government's doing trash

	pick-up. It's hard to motivate people who're paying out of pocket for a convenience everyone else in the nation takes for granted.
373	offset cost of bear proof containers
374	I've been wondering why separate 'glass only' recycling bins cannot be situated on public parking lots throughout Frisco, rather than having to stockpile glass items until you make a separate trip to the Frisco recycling center? Surely others have had the same idea to keep recycling containers on shopping center, post office or park areas where parking for drop-off is readily available.
375	Less sorting and curbside pickup
376	Allow more materials to be recycled at drop off centers. i.e. milk cartons
379	Needs to be easier to understand.
380	More options for pick up and a drop off center in Silverthorne
383	Continue with education, offer more accessible ways to recycle and compost for short term renters/second homeowners who do not have an incentive (or knowledge) of community drop off locations.
384	We don't have home pickup but the recycling dumpster is usually overflowing.
385	Free composting options
386	I think Summit Co. does a good job other than the restrictions on plastic
387	Lower the cost
388	df
390	More education to citizens and businesses
392	residential collection and a single-stream recycling

	program - similar to that implemented in bolder.
393	Advertise options for food scrap Composting.
394	More education on what can/cannot be recycled. Additional recycling on North end of Summit
395	Composting at no additional fees. Less money for curbside...my neighbors don't use the services available.
396	Make it affordable... I should not have to pay an extra fee on top of trash to pick up recycling (Timberline).. I currently take to the Dillon recycling center.
397	Find outlet for plastics. We currently take ours to Eagle County
398	Require all HOA's to have recycling at all apartment complexes. My rent is high enough. I'm sure it'll cover it.
399	I just hope the program continues. It feels like the economics of it are challenging; but once folks are out of the habit, it will be tough to bring back when the economics are more favorable.
400	Offer more glass recycling pickup options if it can not go into single stream
401	Some sort of public awareness program to catch tourists that do not know/understand what recycling is. I guess some applies to locals. Take some pride in your community, and where you are visiting It seems that we, world population, are losing ground on recyclables. We ship boat loads of trash (recyclables) to china, Malaysia etc but they don't want them anymore. Find some sort of replacement for plastics. Soon
402	Not sure
403	pick up single-stream recycling in Blue River
405	Please change the recycle trailer at Dillon Fire Station more frequently- 2-3x weekly.

406	All waste containers must be bear proof. Living amongst the wild animals up here, it's our jobs as responsible citizens to properly keep them safe in the process of trying to reduce waste and increase recycling efforts.
407	Send more details about composting- what you want and where to bring it.
409	n/a
410	Provide a food composting container in Dillon. Living in Keystone and taking my items to Frisco is a hassle even though I pay to participate in the program.
411	Timberline was supposed to give us recycle containers but hasn't. So everything goes in trash for us now. But now they wont even pick up our trash either. I feel like the dillon recycle center is always full and I can't put my cardboard or plastics in their bins
413	having lived in Europe before coming to live in the USA I find that there's very limited items that can be recycled and I'm not sure why
414	If there's a way to include glass in single-stream recycling that would probably help a lot. I don't think sorting is hard, but a lot of people seem to find it just hard enough that they don't bother recycling (or contaminate recycling).
417	More info on what can and can not be recycled
418	None
419	Curbside recycle containers
421	Accept all plastics, not just 1-2. Add composting to Dillon Encourage pick-up companies to offer recycling only. They will offer recycling pick-up if they pick up trash - but not pick up for recycling only.
422	I would really just like to be able to recycle more items (like more types of plastic). Would love to learn more about how to reduce plastic use in a world where everything is covered in plastic.

423	Collection sites that are regularly emptied. I have numerous times driven from one town to the next in order to complete a delivery of sorted recyclables. Sometimes it's just not easy or convenient and I know that deters MANY visitors to my complex in Dillon.
424	None
425	Make recycling more convenient and available at multi family units
426	Make it more accessible for more people - more bins, more convenient for travelers, more recycling in public spaces etc.
427	My backyard composter isn't so great, I wish compostable material could be picked up for no fee. I wish other plastics could be composted, not just 1 & 2. Also, more recycling areas are needed. These seem to fill up so quickly (good for recycling) sometimes I have to visit 2 or 3 sites before I can get rid of my stuff. I love how visible and energetic HCCC is about all their programs, wish individuals and businesses would all do their part.
429	Glass recycle curbside!
431	Trash company that actually picks up the trash when they say they will.
433	None
434	Composting bins near recycling bins but worry people would just throw junk in them. Separate glass bins near the recycle dumpster would be helpful.
435	Summit County makes it incredibly difficult to recycle. We cannot get a trash service to pick up our trash, much less recycling. We can't drive all over the county to recycle - it needs to be much more convenient.
436	More awareness of what plastics are recyclable
437	More drop centers

438	Making curbside not cost so much
439	Add recycling to condo complexes
440	Have a recycling center in Silverthorne again.
441	Ban Timberline from operating in summit county. They just throw the recycling in the landfill anyway
444	MORE info on what is recyclable at dumpsters i'm pretty sure our condo complex recycling just gets thrown away do to single stream pollutants
445	You seem to try hard to inform the public. I feel the public doesn't always listen.
446	Make it free, accessible, and single stream
447	Make it easier. Curbside ALL but just specific.
448	Continue to educate residents and especially people that rent to tourist and encourage them to recycle.
449	We need supervision volunteers, cops to police the sites to educate / prosecute, inform the public how we recycle here in Summit county. The blatant abuse of dumping trash in our recycling sites is disgusting. Has anyone ever been charged for this crime? I've got names I find but it's a waste of time. A reward system? A free stuff store? Pay as you throw? Deposits? Trash fees support recycling. Less trash won't support more recycling. The biggest problem is too many people. It just doesn't matter. We'll be digging it all up in the future. There's money in them hills. I've seen it.
451	Whatever it takes to reduce the overall cost of trash/recycling should be done.
453	More advertising/ incentives to get more people, particularly visitors, to recycle.
454	1A
455	Place recycling bins at various Dillon Valley areas.

457	None for my situation.
462	I think the programs are fine. I think the services at residential properties are a waste of \$. People dont educate themselves and at my property 99% of the time the recycling ends up in trash due to laziness by the people using the bins. I don't understand why my property pays for private recycling when our tax payer dollars pay for the community options which are much more efficient.
463	Increase education about what materials are recyclable.
465	Better publicity for visitors. Make it more convenient for visitors and multi family units. Better publicity for composting for locals and visitors, issue sealable composting bins that can be collected or taken to the recycling center.
466	It would be great if we had more options for trash collection. Both companies available in the county do a terrible job.
468	More options for curbside pickup recycling since there are limited options for trash pickup. I would like to get recycling picked up weekly instead of biweekly
469	Tell us what to do with glass
470	take more plastics
471	None
472	Make recycling easier and cheaper but trash more expensive. I see so much recycling in peoples' trash...but I don't know how to educate or motivate them to help the earth other than \$\$?? Someone offer a compost pick-up service or expand drop off to Dillon and Silverthorne so it is more easily accessible. Small monthly prizes/drawings for...something?? Can you offer some composted soil back to those who pay to compost? Can someone visit elementary schools and do an interesting chat about trash and recycling and comPosting??
474	I wish there were bigger recycling facilities since

	it's full a lot.
475	teach people to buy smarter vs. recycling, educate the public about sorting, guarantee that items are recycled. have resorts/rental properties provide recycle bins for their guests
476	I would like to know what happens to the items after I put them in the curbside recycling bin. Are they ending up in the landfill? I would also love to see a community class on how to compost at home.
477	We are currently looking for another recycling provider because they haven't picked up our recycling for a month. We'd like to also compost food but are worried about attracting bears (there was one on our street just this week, in someone else's trash cans...)
478	Thank you for making it so easy. If plastics 3-7 don't really get recycled anymore, I think we should really push to Reduce these thru marketing - cart signs at city market, etc. our complex says we take these, but I worry it's really trash now.
482	More single stream recycling option.
483	Better education, better access to recycling in Silverthorne. Currently have to go to a VERY FULL Dillon drop off center.
485	Provide more info on what can and can't be accepted for recycling on a regular basis and based on which hauler/ trash service you use, maybe even e-mail updates listing what materials can be recycled and tips for single stream recycling versus non-single stream when it comes to certain materials - paper, cardboard, etc.
486	Sorting bins for homes and pickup service
488	Advertising locations of recycling centers maybe people would use them more.
489	Allow drop off of recycling BEFORE the scale at SCRAP. no incentive to recycle if residents have to pay. See Lake Placid NY for example. They have self recycling before scale & entrance to

	landfill.
490	Education...pictures of what is acceptable plastics...I see so much unacceptable plastics in recycling bin!
491	Glass pick-up, better education
492	Free composting and recycling pickup would be huge! Also getting management companies on board will significantly improve recycling habits
493	None
494	more education/incentives for individuals and businesses to recycle.
495	Maybe more centers to drop off
496	Recycle #3-5's. Recycle glass more conveniently. But let's be real, this will never happen because Summit County is run by people that don't actually care. All other mountain communities have way better recycling programs than Summit, but for some reason we're still way behind.
497	I noted the suggestions in one of the comments boxes, but recycling is not convenient and should be included in the cost of garbage pickup, not as an addition option. When you make it an additional cost, people tend not wanting to pay for it and it is inconvenient to drop it off at one of the recycling centers in town.
502	X
503	Make Condos and apts. provide recycling containers
504	Timberline Disposal needs to improve their service. we stopped using them all together
507	expand curbside pickup, offer single stream drop off locations
508	Keep pushing the education- I know the rules continue to change, but I think we need to stay on top of it better.

510	Don't charge for composting food waste. More people would recycle if it was easier - single stream for everything.
511	Get rid of it. It is a huge taxpayer burden with little benefit. Either make it sustainable/profitable or privatize/sell it. Every bin that I ever see is completely full. The county is already getting assistance for it's waste programs from every town. They still can't seem to manage it. Taxpayers have given them chances and money over and over. Yet it never gets any better. Scrap it!
512	clear signage on what is and is not recyclable. what is a clamshell and can any be recycled?
513	recycling for plastics 1-7 milk cartons
514	I pay Timberline trash for my recycling and they aren't the best. They miss it quite frequently so it would be nice to have a reliable recycling company.
516	Provide Compost containers, and more information about how easy it can be to compost from home and take compost to the recycle centers (I had no idea this was available.)
517	Keep up the good work
518	Be very, very clear 7 consistent with messaging about what can be recycled. Use pictures!
519	Large Volume Composting Pickup Service
520	Composting stations near subdivisions. Or a composting bin to bring to recycling center
526	I thought 1A was going to re open the Silverthorne recycling area. I have to go to Dillon, which is often so full it overflows, or Frisco, which is not convenient. Please re open the one in Silverthorne!
527	Keep up the great work you're all doing
528	I am extremely concerned about plastic waste in the world. Recycling alone is not going to cure the

	<p>problem. Some items really need to be packaged in plastic, but we need to stop packaging stuff in plastic that doesn't need to be in plastic. For example, I have talked with local managers at City Market, multiple times, asking them to sell muffins and other baked goods in paper boxes, or to let me refill the same plastic box each time. So far, I have been unsuccessful. The head office needs some sort of government pressure or incentive to do that. In the meanwhile, those of us with no option for trash pickup at home, need to be able to take our plastic packaging to town to be recycled.</p>
529	<p>Give examples of common items and what can and cannot be recycled. Since the last changes with single stream, glass, clear glass I have remained confused and "when in doubt, throw it out". Examples- tuna cans, milk cartons, yogurt containers, shampoo containers, egg shell cartons, etc.</p>
530	<p>None</p>
531	<p>Maybe provide a recycling center in blue river?</p>
532	<p>Get rid of the inconsistent and horrible newly merged Timberline Disposal and replace those incompetent hooligans with a company that actually does a good job and has customer service.</p>
533	<p>Put a recycling drop (including a bin for glass) off in each town. It needs to be available evenings and weekends as well as during the day.</p>
534	<p>Recycling is expensive and inefficient. Better choices include RETURNABLE containers like many states without Coors/Budweiser/MICROBREWERY political interference to suppress Bottle Bill legislation. Recycling that consumes more energy than it consumes is an environmental travesty.</p>
535	<p>The single stream system is a joke. I've seen trucks pickup cardboard cans and then pickup the trash can right next to it. People are just looking for a free dumpster to dump trash in. Supervision and education and criminal prosecution published is needed.</p>

536	Have more plastic recycling.
537	None. Sorry
539	I compost at work. Arapahoe Basin Ski Area. And I store my garbage until there is enough to make a dump run, usually twice a year. For me, a way to recycle bread/chip type bags would further reduce my waste generation. Mostly though, I am disappointed with the amount of contamination in recycling by other people. I don't know why I bother to try so hard.
541	Curbside compost collection or more collection sites
543	More available places and types.
544	It should be expected that all residents and guests recycle. I should be easier to recycle everything.
545	I'm not currently composting kitchen scraps but am eager to learn more about county composting options. Paying first to drop off and then again to get compost was a deterrent for me when I inquired some time ago. I think the signage at the Frisco center is good and hope that users adhere to directions.
546	more info about composting--but i can ask whenever i'm ready to do so
547	More information and teaching. We had a separate recycle container and people put regular trash in. Got too expensive so they had to take it away.
548	Be honest about the facts of of where things are recycled (overseas) that they are often just landfilled overseas. Please publish how much energy it takes to truck and ship all of the recycle materials.
549	Residents need more education. I would like single stream recycling including glass. I would like compost picked up curbside.
550	Either buy a recycling machine that can take glass or let waste companies take recyclables including

	glass out of the county.
551	Silverthorne, where we live offers no recycling. I bring glass to Dillon or Frisco. Where can I recycle plastics #3-7
552	Offer more incentives for businesses to encourage more recycling , esp our hotels and lodging. Have them put free recycling centers in the condos. Have recycling next to every public trash can. Have compost program be free with at least a Dillon option- I live in keystone it's not convenient to drive to Frisco to drop off compost. Have more public awareness campaigns about what to recycle and the fact that it needs to be clean!
553	I wish more plastics could be recycled (not just 1 & 2) since manufacturers use other #s. In Frisco, the 80% non-primary residents and an increase in STR's makes it difficult for any waste consistency.
554	Clarify what goes where
555	More information can on composting availability.
556	Recycle more types of plastic. Is it possible to add yard waste as a recycling item - grass clippings, pulled up weeds, etc.? I hate to see it end up in our dumpster and the landfill.
557	Guidance on recycling now that China is no longer taking recyclables from the US. Would like more pressure on grocery stores and others to reduce packaging
558	Keep up the good work
559	Keep at it...
560	work with large multi unit complexes to provide easier recycling opportunities onsite
561	Compost bins for home pickup
562	Better recycling and composting on the silverthorne/dillon side of town. Silverthorne had a recycling center near the waste management center that slowly got scaled back until it completely shut down. We take our recycling to

	dillon now but there is not a place for compost and other items
564	Continue to educate us about recycling and composting. Love the articles in the Summit Daily. Suggest ways to get manufacturers and others to make their products recyclable, like the compostable packing peanuts. Wish I could donate mattresses.
565	The general population needs to be educated on the importance of food scrap recycling. More stories like the recent "Ask Eartha" column about the banana peel should be published. I'm excited to learn that food scrap recycling will become free of charge as friends have ridiculed me for composting at home and taking food scraps to the Frisco recycling center.
566	Make sure waste companies are actually taking recycling items to be recycled and not just dumping them along with trash. There is information out there that they dump recycling with the trash at the dump. Very disturbing. If true, they should pay a hefty fine or be exposed in the news. Please figure out how glass can be picked up curb side, so much of it is now going straight to the dump.
568	I would like a more convenient food waste composting option in Silverthorne.
569	N/A
570	Make it accessible financially to management companies operating in multi-family complexes
571	Make ot possible to recycle more from home. It's my understanding that only 1 & 2 plastics and cardboard are only excepted.
572	Have recycling center in Silverthorne
577	Education to people about what is recyclable, how to recycle.
578	Food waste recycling sounds like a bad idea - varmints, rats, bears etc would be encouraged. We do like the Frisco recycling Facility because it accepts different batteries and harmful light bulbs

	<p>(mercury). Dillon recycling is MUCH appreciated even though limited in choice and capacity. Please continue your good work. But don't get carried away by making recycling too complicated. The 80:20 rule probably applies to recycling like most other things in life. Good survey - thank you!</p>
579	<p>There should be more locations for total recycling of everything possible.</p>
580	<p>more community education</p>
582	<p>We need single stream recycling in Silverthorne, or at the least recycling of all types of plastics. It is incredible that ONLY plastic # 1 and 2 bottles are accepted in such a conservation conscious community.</p>
583	<p>Would be great to include glass in pickup service...even if we have to set it out separately. I did not know about composting option but will research it and start participating.</p>
584	<p>More options clearer directions</p>
588	<p>create water-resistant racks at each drop-off center to make one-page information sheets available with complete lists of recyclable items.</p>
589	<p>More signage to help people recycle correctly.</p>
590	<p>More info on Reduce, Reuse and Repurpose to help keep stuff out of landfill. More info on how is best NOT to purchase items in plastic containers as it is destroying the oceans etc...</p>
591	<p>Dumpster enclosures fail to have plastic and cans bins or if they do they are always full. Poor signage in the enclosures and having to pay for glass recycling is ridiculous</p>
592	<p>Open the proposed recycling center in Silverthorne/Dillon SOON!</p>
593	<p>Make it easier. People only recycle when it is easy and costs are similar. Actually pick up the trash/recycling regularly don't just leave it overflowing for days on end. Be transparent with</p>

	<p>everyone in town, business owners and residents. Don't ask us to sort things just to dump them together on pick up day. Start a compost program that is easy to use, driving to Frisco is no viable. Give information before making drastic changes, thanks for locking my business out without no notice... Explain the difference between Timberline and Clear Intentions to the town. don't leave people guessing or assuming. Don't make blanket assumptions that information is being passed along because it isn't. Remember that recycling and trash is not people's top priority so if it isn't easy people aren't going to do it, they aren't going to listen and nothing is going to change.</p>
595	Clear depiction of what can/cannot be recycled.
596	Provide more single sort to make it easier at the recycling centers. More signage to help those who don't know what can be recycled from contaminating bins.
597	Pick up recycling
598	Curbside pickup of recycling. Require large complexes to have the service. Residents could pay \$10 more a month in HOA fee. Also, open a drop off center in Silverthorne. Have recycling containers at the outlets and busy locations like City Market, Pavilion, Dillon Reservoir. Tourists have no way to recycle.
599	Na
602	More options for glass and all plastics
603	All plastics and motor oil
605	Not sure Timberline recycles as I see them throw our recycle in the same truck as the trash. Don't really think some of the drivers really care what happens to it.
606	Convenience is key...
607	Na
608	-

610	Achieve successful, effective single stream recycling
611	Better sorter
612	Composting needs to become a larger part of the program. I live in Silverthorne, so it is not convenient to haul compost items to a facility. Also, not being allowed to use compostable bags is an issue as well. Very smelly and messy. Need to add napkins and paper towels to composting. I am from Denver — they had a great composting program!
613	More containers available for compost and recycle
616	Having more pick up options. I think my roommates having to help take recycling to the center is the biggest deterrent for them. Also, being able to recycle higher level plastics would be nice.
617	Take more plastics
618	Curbside compost pickup A stronger initiative on consumer education
619	do glass recycling
621	It's nice that there are so many compostable items now such as plates, silverware and cups, but its a shame that we can't compost those in Summit County.
623	n/a
624	Not sure how to fix the problem, but people expect Summit to be a place where it's REALLY easy to recycle, but that's not always the case. The limited plastic recycling is so sad. We should be leading the effort, not falling behind. I've also heard rumors that Timberline puts the recycling in with the trash and isn't really recycling. If that is true, it should be dealt with.
626	NA
627	more education so people are aware of what

	can/cannot be recycled or composted
628	the easier it is to recycle/ compost, the more people will do it
630	1. Educate people about compost (food scraps only) and why. 2. Advertising about recycling, in print and on radio so the reach gets further. 3. Work with multi-family buildings to encourage recycling and have pick up for those locations
631	Include in Property Taxes cost for recycling and trash pickup. County would then work with trash pickup service to consolidate and make efficient. Could also provide place for residents to drop off trash, and fund recycling centers. Montana has multiple communities that manage waste and recycling in this manner. Works very well.
632	Make residential recycling easier to participate in.
633	pick up recycling from homes, let us not separate items
635	clarity on glass. why isn't it in with single-stream, what are best consumer options, etc.
637	get more recycling bins and get recycling pick up from every single residence. maybe make it as a rule and charge fees if it is not filled correctly. it works like that in Germany and almost whole Europe with no problem. it teach people to care.
639	I see room for improvement in the Silverthorne softball fields. Lots of unmarked trash cans, one recycle bin that is overflowing (so people are trying but there isn't enough recycling options)
640	None!
643	More options for at home service, cost friendly, and more public awareness
644	I'm willing to do the work of dropping off my recycling/compost wherever I need to, but the more convenient it is, the more other people will actually do it.

645	Create a larger composting bin. I would love to be able to take grass clippings and leaves to the compost instead of throwing them away.
649	provide composting bins and education on how to compost. What are benefits?
650	I have lived in CO my entire life and different cities. Summit County has the most difficult recycling program I have encountered. Greeley makes recycling better, GREELEY... Let that sink in.
651	Make recycling cost effective for multifamily complexes so cheap ass HOAs provide it.
652	Give incentives for guests and residents to recycle and compost. Provide bear proof trash ,recycling, and compost bins at no cost to residents. Subsidize recycling and composting so residents receive immediate benefit from their responsible disposal of waste. Seasonal "big recycling" days for large electronics and appliances at no cost. Provide data to individuals and the community at large regarding the impact of recycling and compost. If I received a score card telling me I saved X amount of materials from a landfill I would be more likely to continue this behavior.
654	We pay extra for recycling pickup, but they often neglect to come pick our recycling. It is very frustrating, we are considering stopping to pay for the extra service because they are not doing a good job. If we do we will throw out our recycling instead of separating it.
656	more locations to drop off or pickup at house
657	NA
658	provide visual proof to the community that our recycled materials are being properly recycled
660	Provide more curbside pickup
666	Free curbside pickup
667	be able to include glass in general recycling

668	none
670	Single stream pick up recycling !
674	Recycle 3 plastics
675	Have Recycling options at the apartment complexes
677	We need better, more reliable companies. We need a better sorter at the facility so we can add glass in with our co-mingled, or at least an option for curbside glass pickup. Our recycling rates in Summit County are a joke.
678	Na
679	NA
682	onsite composting. 10cent deposit on any cans purchased, get the deposit back when recycled at a return facility.
683	none
684	Make it free and offer receptacles for people to store in home so it isn't messy or smelly.
685	Programs to educate people how to recycle properly. We need simple signage for recycling. Most tourists are lazy to read the recycle signage and to lazy to even to recycle.
686	More plastics recycling besides #1 & #2, and FREE composting
688	Honestly all my friends and co workers say that all the recycling at the centers in summit county just goes to the landfill anyway. After China stopped buying our recyclables in 2017 a lot of people believe that it is no longer a profitable so it's cheaper to just send to the landfill. I've even heard the employees of Vail resorts says all their multi purpose garbage/recycling goes straight to the dump. Not sure how you can inspire confidence that our recycling is actually being recycled. All I know is instead of taking the trash out every couple days when I wasnt recycling now I produce almost no trash and have had the same

	bag in for almost 3 weeks. More stops at the recycling center but they are super easy to use and on my way home from work. Find a way to show the people who are recycling that its actually getting recycled
691	Offer some free amount of compost dirt to customers who use and pay for compost. Make what's accepted and not more clear at recycling center, offer motor oil recycling again at center, be able to recycle more items:)
695	There are always rumors that recycling ends up in the landfill - there is lack of confidence in the process.
696	More options or bins at apartment complexes. More encouragement from apartment complexes.
699	Mandate that free food composting be included in all trash service, as well as partial-sorted stream recycling. Find ways to recycle other than #1&2 plastics. Support Colorado developing its own glass, metal, plastic recycling plants.
700	More reassurance that recycle materials are really being recycled. Residential pickup is expensive!
702	I am happy to hear that the composting program is now free.
703	1. I see Timberline dumping 'cardboard only' dumpsters in with their regular trash. Stop it. 2. People don't understand that a greasy pizza box causes all the rest of the cardboard to be rejected. 3. I think there is a language barrier. I see non-english speaking workers dumping trash into single stream recycling dumpsters all the time. 4. Also, and I have been guilty of this too, recyclable materials are put in recycling bins still in non-recyclable trash bags! (I don't do that anymore:) 5. Thank you for recycling E-Waste!
704	Have some way to pick up glass and manage - hard to get glass to center all the time - don't like tossing it
705	More education to potential users and perhaps periodic policing of recycle drop-off centers to keep people from contaminating the containers

	with disallowed items. I fight a constant battle with a small group at work who put things in our bins that are not allowed, so I know it's a struggle...
707	We recycle normally at Frisco as the containers are easier to drop into with the elevated steps. More options for cardboard make it better than one at Dillon which is very hard to use.
709	Recycling glass, more public recycling receptacles, more initiatives to stop wasteful, one-time use packaging and containers.
710	So many units are temporary rentals. During peak tourist times, the recycling bins are totally contaminated. People who rent their units need to communicate to renters that Summit recycles and where and how to do it.
712	I split residences between Breckenridge and Lugano, Switzerland. In Switzerland there are conveniently located bins where you take your recycles and trash. From my residence I am midway between two of these drop off areas--I only have to walk about 200M in either direction to drop my trash or recycling. The bins are underground with doors about ground to deposit your waste. Special trucks pull the bins out and haul it away. It is much cleaner than dumpsters or trash cans along the street. They are also be critter proof. The culture in Switzerland is such that everything is clean and orderly. How great if Summit County to go to a system like this, but I fear too many people/tourists would be too lazy to make such a system work here but might be worth trying. I can send some pictures of what I am describing if you would like.
716	More education for me and the second/airbnb homes
718	There is the need for more and improved education. Alsop clearer sign at the drop off location. I do not currently compost due to the inconvenience and it likely generate more greenhouse gases driving to Frisco or Breckenridge than it prevents.
719	More detailed information about what is recyclable (specifically plastics) at the drop off would be great. More info on composting too- I would drop

	off to a location if it is free.
720	none
721	Define which plastics can/cannot be recycled. Ensure that recycled materials are being processed within the US. Have a weekly/bi-weekly compost pickup
725	More convenient. Make sure my efforts aren't ending up in the trash.
727	I am not sure
728	All plastics (1-7) in a single container at Frisco recycling center!!!!!!!
730	Not confident in the recycling process/options that are being offered curbside, which is why we still haul everything on our own to recycling center. I'd love to learn more about composting options! I didn't know that was available.
731	Make food drop off for composting free
732	Offer class(es) on backyard composting. Many people would be interested in how to do this with our altitude and cold weather
736	None
737	More education about what can and cannot be recycled.
738	It would be great if the Dillon recycling bins were emptied more often or were larger. The plastic/aluminum is often overflowing and people just leave their recycling next to the collection bin in a heap. I feel sorry for the person who has to deal with the mess of others.
739	More info/tutorials for people about how to recycle in Summit County
742	Design improvement to keep individuals from placing wrong items in bins at Dillon recycling Trailer and cardboard dumpster

743	Make all trash pickup reasonable for seniors/ small amounts!
744	convenience
746	Bring more attention to it.
747	recycle bins in the condominium area, renters don't recycle at all because they don't know how to do it.
748	More communication about what exactly is recyclable (lids, cleaned). Where do grass clippings go?
749	I filled out this same survey a few days ago. Here it is again. We have no option for trash or recycling pickup at home. I have to drive recycling 30 miles round trip to Frisco. Biggest concern is all of the plastic that I cannot recycle that stays on the environment forever. Recycling alone is not going to cure the problem. We consumers need more options to buy things not packaged in plastic. Some plastic packaging is necessary, but most is not. People who sell things unnecessarily packaged in plastic need reasonable incentives and disincentives to markedly decrease plastic waste--or to develop new plastic packaging that degrades after a period of time, when it is no longer needed.
750	Need a bin at townhomes
752	Make it standardized. The recycling is different in every town and every complex in the county. No one knows what to do or not to do. Use Bend Oregon as your model. Recycle that glass! Make it into rocks and resell to the public. Fine people who do not separate properly. Maybe include it in the public utilities, so everyone is on the program. Do something- this is a joke my friends.
754	Accept plastics 1-7
755	Advertise where to take compostables.
756	figure out a way to deal with renters
758	I don't like the tax payer burden of providing 'free'

	recycling to local businesses that dump their glass beer bottles off at collection centers. Seems like if they are charging \$6 for a bottle of beer that they can pay to recycle or dispose of they empties it without subsidy.
759	Stronger incentives to recycle, different charges for quantity of trash put out because one recycle more, expand material recycled at curb side, make trash company pick up more recycling.
760	-Add a compost drop off spot in Dillon -Timberline should post a list of materials accepted/not accepted for recycling on their website
761	The lack of knowledge and consistency with recycling in Summit County has been awful. Whether its confusion about what and where it can be recycled or the easy ability for those that are not desiring to recycle to "screw up" an entire recycle bin by putting their couch or mattress in the bin in lieu of respecting the intent to recycle.
762	single stream at home including glass
763	None
768	Education
769	None
770	More options that are convenient to help save this planet.
771	none a this point
773	1. Better monitoring of the private waste collectors - they have too much discretion to "reject" a recycling load. 2. Perhaps the county and towns should take over the waste, recycling and compost efforts. 3. Do not charge to drop off food wastes for composting - already inconvenient enough to store (keep away from wildlife) and dropoff.
775	Plastic should be recycled at the super market ...The Europeans have machines that read a bar code on the Plastic bottles, this bar code reveals the Type of plastic and the amount of the deposit

	<p>associated with it, The machine will also reject anything that is not recyclable, when accepted, the bottle is then shredded by this machine for space savings, a coupon for the deposit is issued to the person which can be used at the super market. versus Transporting Big heavy metal containers of bottles full of air three times a week from Dillon to the recycling center...what a waste of fossil fuels. Lets not even talk about the Beetle kill situation we have here in Summit county and could be utilizing ...</p>
777	None
779	Put a compost pick up in Dillon/Keystone, and/or would love curbside compost pick up!!
780	Plastics?
781	<p>Broadcast the options to residents. Either collect high volume used #5 containers, and SUPER HIGH volume #1 clear containers (used in ALL produce, deli and bakery packaging) OR BAN their use in the County (everywhere for that matter). They are the same as plastic #1 water bottles (which are recycled), but not these containers???? Customers have NO CHOICE, as ALL these products are PRE-PACKAGED!!!!!!!!!!!!!!</p>
782	Idk
784	<p>Allow more types of plastics to be recycled. Provide better information and opportunities for recycling unusual items</p>
785	<p>People suck. Period. There's no way to get people to separate and recycle completely. Sortation of trash prior to dumping in landfill will be the best way to raise diversion rates from there pitiful current state. Try something new and innovative. Doing more of the same will not work, as it has never worked in any government</p>
787	<p>I am unconvinced that single-stream recycling is actually being recycled. In addition, I would REALLY like curb-side pickup for glass recycling (as I do not have a car to drive it to the recycle center).</p>

788	An occasional memo about what materials are acceptable or not acceptable would be helpful. I am a part time resident, and the rules seem to change over time.
790	It would be nice to have a place fo recycle plastic bags that aren't grocery bags
791	Continue to expand education both about the programs and about what can/ cannot be recycled or composted
792	I'm not a fan of the big trash haulers compacting single stream into garbage trucks. I prefer to sort my recycling myself at the recycling center and have more confidence that it is getting recycled.
793	More staffed events at the recycling locations in Breck and Frisco to help guide people who are putting the wrong stuff in the containers, which devalues or trashes the entire load.
794	get decent recycling bins in all the condo complexes and get them emptied frequently. Most people are used to doing it and will if it is convenient.
795	Additional explanation of what can be recycled, e.g., can steel bottle lids be recycled with metal cans? What could be done about non-bottle plastics? Can non-bottle #1 plastics be recycled with #1 bottles, and if not, why not?
796	Better signage education at resort areas. More frequent pick ups. Reduce use of plastics T Re
797	Recycling centers should take 1-7 plastics like they do with pick up service. Could do 3 bins...1, 2 and 5-7
799	Recycle glass, provide small composting bins and compost pickup, bottle bill?!
800	Only take recycling that actually has a market. Make composting a priority over recycling.
801	I would like more specific information about which plastic containers can be recycled and which should go into trash. The same about items such

	as cartons such as milk or cottage cheese.
803	Great job guys! Thanks for doing your very important part!
804	Summit is better than most places I have been. But education is key!!!! Since this is a vacation spot I do not think most people want to take the time to recycle. But BLESS you for what you do. We recycle here and at our main resident. We do not recycle food waste here because it is not convenient . I have 2 large compost bins at our primary home and recycle everything I can. CONVENIENCE is the key.
805	I appreciate the recycling center. Wish more plastics were recyclable. Our home compost works great.
808	I think HC3 does an amazing job and I am not educated enough to offer an opinion on improvement...I feel lucky we have the resources we do.
811	Having a person monitor at each site would probably help reduce contamination and educate people. Accepting all plastic would be huge. Free composting would encourage me to save food scraps.
812	We need more start up companies that will take our plastics and make something new from it. Or don't make plastics.
813	I live in a duplex. We are responsible for separate trash disposal. I do not generate enough trash to pay for weekly commercial service; I haul trash to SCRAP a couple of times a year. I compost at home. I recycle at the center. I would use curbside recycling if I could get a more economic pick-up rate for the amount I generate.
814	My townhouse complex discontinued recycling because the community was so bad at it or just didn't care thus the recycling stream was contaminated with non-recyclables. Every time I open a recycling bin anywhere in Summit county contains non-recyclables from trash to bags to plastic bottles with lids on to kids plastic sleds and bicycles. This makes me wonder if our incompetent recycling effort actually produces any

	environmental benefit other than making the public falsely feel like they are saving the planet.
815	You state that you can compost at the Frisco and Breck recycle centers, but is there still a charge? I used to pay the yearly fee, but between our trash/recycle fees going up and all our other living costs, I was unable to continue paying for that. My understanding when we voted to pass the legislation for recycling funds, that composting would become a free service. I am incredibly disappointed that this has not happened yet. Compostables are the majority of my family's waste. Please tell me it is now free?
816	None
817	Gfj
820	Have a recycling station in Silverthorne
822	Get a fully functional drop off location on the east end of the county. Make it more expensive to simply toss things in the trash and easier/a financial benefit to recycle. Have better signage regarding recycling and increase education, especially to visitors.
824	County-wide curbside service for recycling and composting
825	All deed restricted/affordable housing neighborhoods should have recycling onsite with signage to help residents. Our 'hood is not that old, but there were no provisions for recycling. Also, I'd like the composting to be free... I don't mind going to the recycle center in Frisco or Breck. At least that way I know it goes in the right bin. More signage is needed there to keep people from throwing in plastic bags. Maybe a small garbage bin could be placed on site for bags only.
826	none
827	No suggestions. I think you're doing a great job.
828	?
829	The current situation works well for me.

830	<p>Offer a greater variety of recycling streams: plastics, fabrics, etc. Offer more homes single stream recycling pickup; people are sometimes lazy or ill-informed as to what is recyclable. Encourage the Summit Habitat for Humanity ReStore to sell reusable building materials instead of just furniture.</p>
831	<p>Please make sure that recycling in Summit County is "worth it." Public perception is finally at a point where there is support for recycling, but please study the ramifications and make sure we are not actually doing more harm than good... i.e. we are not wasting gas/fuel on the way to Denver, the items are actually being recycled, there are buyers for the materials, and that it uses less energy to recycle the material than it would to just harvest it in the first place.</p>
832	<p>We've had a lot of problems in Wellington Neighborhood with Timberline Disposal. Not confident that recycling is happening.</p>
833	None
835	na
838	<p>Not sure. I need to find out more about the programs</p>
839	<p>Again, more plastic recycling. More education about composting and how keeping food scraps out of the landfill is so important. Also, education at the stores about buying bottled water. I see so many tourists buying cases of bottled water and it drives me nuts. They need to know our water is delicious and they can drink right from the tap. Also, we need to charge 5 cents for every plastic bag used at Dillon City Market, Safeway, target etc. and put that money towards our recycling program. And, there need to be more recycling bins outside every store and gas station where there are also trash cans so people can recycle those plastic bottles and cans. Maybe the money made from charging for plastic bags could pay for service to empty those recycle bins. Just my 2 cents...</p>
841	<p>More public awareness maybe among Seniors. Young people have grown up with recycling and are more concerned.</p>

842	Recycling and composting at each apartment complex. If it's easy, more people will be incentivized to participate. Not everyone I know is as conscious as I am or lucky to take their recycling and compost to work as I am.
843	Educate us better on what we can and cannot recycle (especially types of plastics)
844	Everytime I've been to the frisco recycling center, composting bins are full
845	N/A
846	I would like to see a recycling center in Silverthorne - at least for the basics. I think the cardboard bin at the Dillon recycling center needs to be picked up a bit more frequently.
848	better explanations of what is recyclable and what is not. People are lazy, recycling must be convenient or they won't do it. Thanks for your efforts.
849	Make it more convenient
850	Is composting free at the recycling centers?
854	curbside food scrap pickup
855	I think that there is opportunity to recycle most items and compost in the county. I do not think single stream is an adequate way to recycle. Our recycling products should be sorted out as I believe that is more cost effective in the long run. As for a comment, I am truly concerned about clam-shell recycling. Is there any way to recycle them?
859	I liked to see a permanent sign at each dumpster . People do not know that you can recycle on certain #1 and 2, like bottles only , that screw caps must be removed . Something permanent not just some containers tied up . Not about what kind of batteries go where .i see all kinds of mistakes of material just thrown in . People don't even understand the number system on the bottom and will throw anything plastic in . More education is needed. I want to know about composting .

861	Better signage on receptacles and information to prevent recycling contamination.
862	NA, thanks for your work.
863	Although our small condo complex in Breck has a recycling bin in our dumpster shed, I collect our households recyclables and take them to the Breck recycle station where glass is accepted. Every time I do that, however, I am agitated about the amount of contamination I see in those bins.
864	Improve a guide for what can and cannot be recycled for curbside pickup, depending on company and location. This is what we are always confused about!
866	Centralized dumpsters for neighborhoods are being abused. People are throwing what ever they want into them. Individuals need to be billed by the pound for their garbage. If you make them pay the recycling will happen.
867	Accept coffee cups, yogurt containers & clam style packages
869	It would be nice to see more bins around towns. Would love to have more plastic options but understand it is not easy \$wise.
871	None
872	To change the recycling attitude people have it needs to be convenient and cheap. Otherwise the dumpster is full of recyclable material. Very frustrating to see that. I guess incentives are about the only way. Maybe rebates on trash bills for those who participate. Hard to provide incentives when there isn't sufficient budget to have an effective program.
873	Recycling of packaging peanuts and having a "hands on" experience of what we trully recycle (classes or maybe someone at the recycling centers to answer questions.
875	Glass pickup at home! Whether it is through the county or a private provider. We pay for recycling to be picked up but this is a major flaw with that.

877	Plastics and glass. Looks like recyclers like me need to know more about what's going on with the difficulties of recycling these materials and the alternatives. Get all towns in the county to adopt bag tax (no more plastic bags)! It's great to have metal recycling bins.
878	Increase the education efforts that inform visitors about recycling in Summit Co. and try to discourage the use of bottled water by explaining how great our tap water is
879	make it compulsory, part of trash collection, no trash collection if you don't separate recyclables
880	Accept a larger variety of plastics
882	I would like to see clamshell plastic products be recycled and also know better what can go into the single stream recycling. For example can you put envelopes that have the plastic window, or can you put shredded paper in the recycling.
883	Please continue education efforts
886	It si still confusing to know what can and can not be recycled (despite the robot app). With all the resources in this county (taxes) I think recycle should be promoted more and expanded
887	Single stream county wide. It will not be free. Some things are worth paying for!
888	More education and lower prices
890	More exposure and informing the residents. Wish we could recycle more number of plastics as well. Many times I try to drop off in Dillon and it's overfilled for days with a mess outside.
892	Give recycling to apartment complexes and include it in our trash payment. I don't even have the option to recycle at my home.
893	Better postings on the bins at Frisco ReCycling as to what's allowed and what's going to get hand picked out at the yard.

900	Expand your compost to include other items that can be composted.
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