



Deschutes County

2019 Solid Waste Management Plan

APPENDIX C – PUBLIC PARTICIPATION INFORMATION

Deschutes 2019 Solid Waste Management Plan Public Outreach /Involvement Process

A key element of preparing the Deschutes County Solid Waste Management Plan (SWMP) was to actively promote public participation and seek input from the broader public as the plan was being prepared. This outreach program was comprehensive. It included setting up a Solid Waste Advisory Committee (SWAC) with broad representation including immediate stakeholders such as cities, recyclers and franchised collection companies and setting up a dedicated website that posted regular updates of the draft SWMP as it was being prepared. All SWAC meetings were open to the public who were invited to participate at meetings. The County issued regular announcements to all parties that visit their website.

Summary of Solid Waste Management Plan Outreach:

- Solid Waste Management Plan website
(<https://www.deschutes.org/solidwaste/page/solid-waste-management-plan>)
 - Deschutes County Fact Sheet
 - Solid Waste Management Plan document draft
 - Links to the Recycling and Disposal Options surveys
 - Links to the SWAC and public meetings
 - Other resource information
- Solid Waste Advisory Committee Meetings website
(<https://www.deschutes.org/solidwaste/page/solid-waste-advisory-committee-meetings>)
 - Calendar Dates
 - Location/Directions
 - Agendas
 - Meeting Minutes
 - Presentations
 - Links to the draft SWMP and public meetings
- Public Meetings:
 - **Recycling Public Meeting – 6/25/18 6:00 – 7:30 p.m.**
 - **Disposal Public Meeting – 1/31/19 5:00 – 7:00 p.m.**

Publicity:

- Solid Waste website
- Deschutes County website – news release, banner board, calendar
- Deschutes Services Building meeting notification board
- County Public Information Officer social media blasting



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2019 Solid Waste Management Plan

- Notifications at SWAC and other meetings
- Other communication efforts
- Community Outreach Efforts:
 - Meeting requests – Timm Schimke, Director of the Department of Solid Waste (DSW) presented at different community events such as Sisters Rotary and various City Council meetings
 - Media interviews – Multiple media outlet interviews with Timm Schimke
- Emailed correspondence including calendar invites and material (attachments and website links):
 - SWAC email distribution list – comprised of committee members, staff and consultants
 - SWAC Interested Parties email distribution list – comprised of people requesting to subscribe at meetings, in the office or via survey responses
- Surveys:
 - Solid Waste Recycling Survey (<http://deschutes.org/swsurvey>)
 - Solid Waste Disposal Options Survey (<http://deschutes.org/disposaloptions>)
 - Telephone survey conducted by independent polling and research firm
 - KTVZ television station poll

Results from Surveys

DSW, in conjunction with the SWAC, conducted two special public meetings. At each meeting a survey was issued to obtain feedback from the public about the direction for the future solid waste services described in the SWMP. The survey was also published on the County's website to reach more people. The surveys were designed to gauge the public's general sentiment and input related to the Waste Reduction and Recycling Program and future landfill disposal options. The following information is a summary of the results and comments received.



Deschutes County

2019 Solid Waste Management Plan

Appendix C - Deschutes County Recycling Survey Responses

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SUMMARY

2/26/2019

RESPONSES:

196 Surveys

155 Comments

93 Page 1

62 Page 2

63 Interested Party Distribution List Additions From Survey Responses

Survey asks about recycling and composting habits (page 1) and ways to extend the life of the landfill by reducing waste and recycling more (page 2)

- *Majority of respondents have curbside recycling, about half subscribe to curbside yard collection, and under half compost at home*
- *Most recycle at work; very few work places compost*
- *All but a small percentage are in favor of educating on buying products with less packaging waste*
- *Over half of the respondents strongly agree or agree in having curbside yard/food waste collection as part of their bill*
- *Majority agree in having businesses recycle/separate food waste and requiring multifamily complexes to recycle and compost (while offering some type of rate incentive)*

Over 150 comments submitted with a general theme of:

- *being able to recycle styrofoam and more plastics*
- *providing more recycling and composting education*
- *making recycling easy*
- *offering recycling and yard/food waste services in unincorporated areas*
- *expanding composting availability at home and in the community*
- *accepting all/most food waste*
- *putting in place programs for construction material*
- *requiring hotels and other businesses to have recycling available*

1.1 - Curbside Recycling: Y/N

1.2.b - If No, Add Svc: Y/N/NS (Not Sure)

1.5 - Self-haul: OF (Often), OC (Occasionally), R (Rarely), N (Never)

1.2 - Curbside Yard: Y/N

1.3 - Compost: Y/N

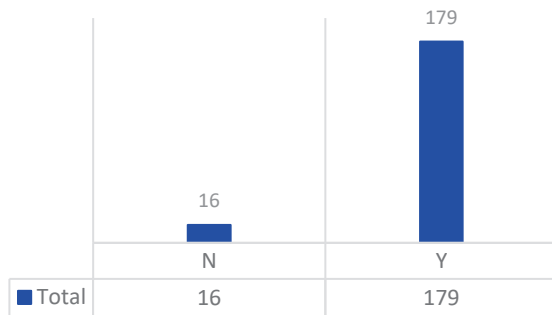
1.6 - Recycle at Work: Y/N

1.2.a - If Yes, Add Food Waste: Y/N

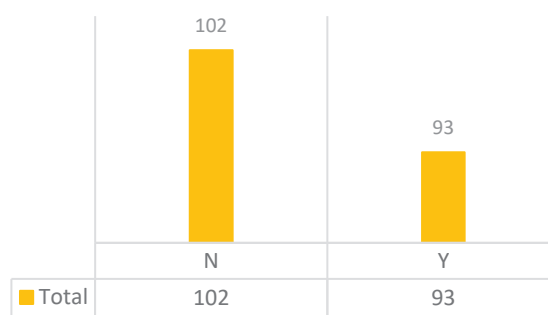
1.4 - Curbside Collection #: N (Never) - 4

1.6.a - Compost at Work: Y/N

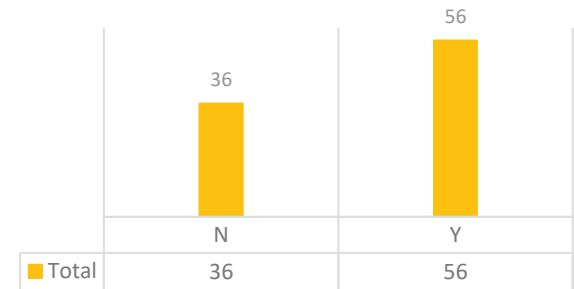
1.1 - CURBSIDE RECYCLING



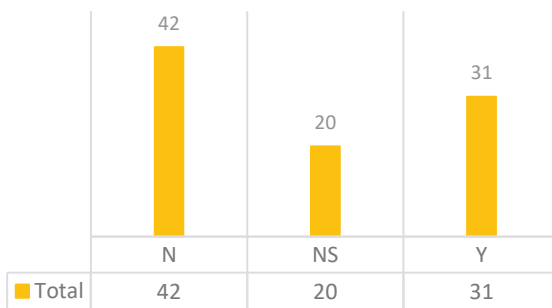
1.2 - CURBSIDE YARD



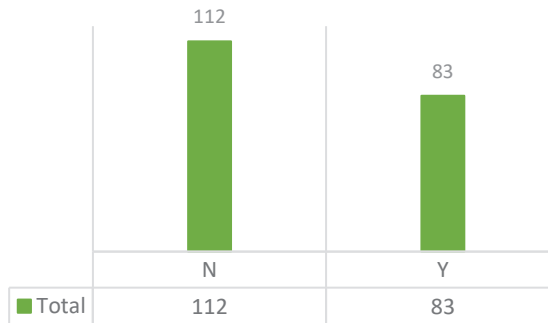
1.2.A - IF YES, ADD FOOD WASTE



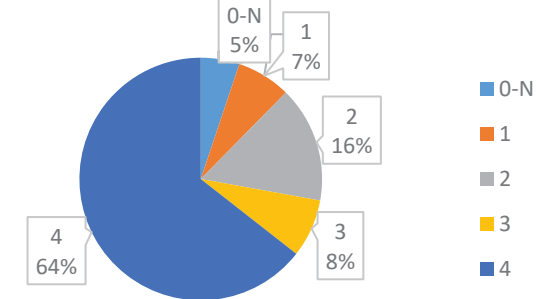
1.2.B - IF NO, ADD SERVICE



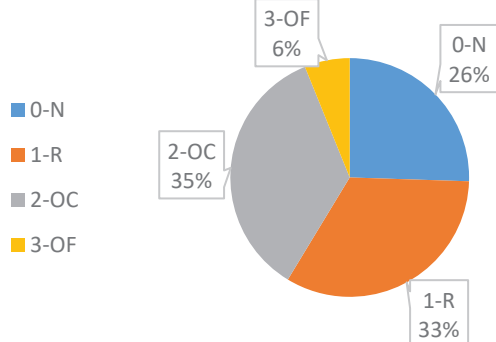
1.3 - COMPOST



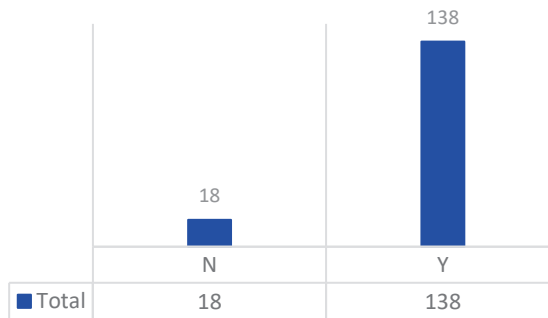
1.4 - CURBSIDE COLLECTION #



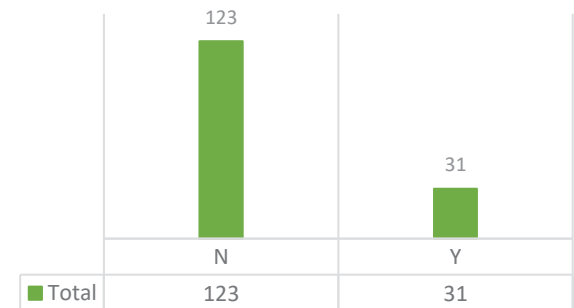
1.5 - SELF-HAUL FREQUENCY



1.6 - RECYCLE AT WORK



1.6.A - COMPOST AT WORK





SOLID WASTE

Solid Waste Recycling and Composting Survey Results

1.7 - Comments about garbage, recycling or composting at home and work

Total Comments

93

- I'm considering food waste to include any veggies or fruit that have expired or the cut off ends. I do not add cooked food to my compost. I used the description on Bend Garbage & Recyclings website to determine this as acceptable.
- I would like to be able to recycle styrofoam and peanuts.
- I feel like there is so much more that can be recycled that we have to throw away. Try to be very conscious of packaging when shopping, try to buy in bulk. As a family of 3 we do have the smallest trash can and usually when we put it out it isn't full. Would like to compost at home but I'm grateful that we can put food waste in our yard waste can.
- By food in compost, only raw vegetables, fruits, coffee grounds and egg shells.
- I use about 1-2 bags of medium-sized kitchen trash per week (usually 1). I answered as if I were the person collecting, but I live in an apartment with communal trash bins.
- Community composting would be great! Wish there was more we could recycle in our community.
- We have to sort and haul our recycling at work. I would love to be able to recycle more ie. clamshell containers.
- We would like to be able to recycle more things than what we are allowed now and we would like to be able to compost more things. When we lived in Bellingham Wa. There were more options. I would also like to see programs put in place for construction and the school district, so that they are not creating sooooo much waste. I have worked at both and it is crazy how much perfectly good things get thrown away!
- I rent my home and since it is a duplex the bins are shared and the landlord includes these services in our rent (and won't add on yard debris service).
- I would love to see solid waste disposal and recycling fees included in our taxes rather than paid for a quartered as they are now. What a shame that dumpsters are locked and we don't have garbage cans readily available for use by visitors on the street. Publicly available garbage and recycling would be more in keeping with the "Be Nice, You're In Bend" ethos.
- Recycling of plastic could be done 'by number' and include a greater variety of items.
- Why don't we have a power generating incinerator? Many euro countries do this.
- Worm composting is so easy. I've been doing it for years. No smell. No fuss. Those happy worms compost kitchen food waste 24/7 365 days a year. It would be great to see our region (county & city) actively supporting worm composting - at home & at work places.
- More guidance about appropriate recycling and composting would be very helpful.
- We put out trash for pick up usually every other month so answer above is not correct. With reduction in items now accepted for recycle our trash use might increase. We try not to purchase items in non-recyclable containers.
- Need more plastic clamshell recycling days. Possibly a clamshell recycling container provided by the County to increase awareness and recycling.
- We don't have enough garbage to fill even the small can each week so I put my yard debris there rather than pay for a third yard debris container.
- The only food waste I put out to the curb is items that I can't currently compost (meat, bread, fats etc). I am really interesting in solid waste management. I find zero waste lifestyles really interesting and I am trying to transition to one. I am so close but still working on it. I am always looking for new zero waste ideas.
- I would love to be able to use curbside composting.
- Frustrated at how little is able to be recycled in Bend as compared to my company office in California.
- Strong supporters of recycling and composting.
- I have very little yard waste so not sure adding that service would be helpful but adding a composting service would be terrific. The compost bins in the Northwest Community Garden were recently removed so now I have no place to compost and I don't want a compost bin in my yard because of it's possible rodents could be attracted to it.
- Please enable Bend Garbage to expand area served for curbside yard waste collection.



SOLID WASTE

Solid Waste Recycling and Composting Survey Results

1.7 - Comments about garbage, recycling or composting at home and work

Total Comments

93

- Trash disposal is too cheap and it doesn't give incentive to people to recycle. I bring trash and it weighs 30 pounds max, every few months and it costs me \$12 or something. People next to me are paying \$40 and piling cardboard, wood, etc out of their vehicle into the pile for the landfill. I realize that you think making it more expensive would mean more sofas and wrecked belongings would go to the roadsides, but there are fines and laws for that. Make a bigger incentive for recycling please and make trash more, much more expensive. Glass isn't picked up in my neighborhood and since the west side recycle transfer station closed, I have to drive all the way out to the landfill with glass to recycle, so I just do it all there, no more curbside.
- I currently haul yard waste to the landfill for composting once or twice a year for a cost of \$4/disposal. It is a hassle to drive to the landfill to dispose of hazardous waste and metal, but I do it. It would be nice if used batteries, especially AA, could be recycled. Recycling of plastic has become a worldwide problem. The county may need to consider a separate bin for plastic so it does not become contaminated by other recycling, if that is a problem. The county should evaluate the feasibility of a tax or limits on plastic packaging, straws, and bags.
- The current service is excellent. But as a new resident, I have not noticed much outreach from the waste company to show what goes in the bin. Yes, there is stuff online, but what about people who do not want to make the effort to look things up? What about graphics on the cart? Flyers? T.V. ads? Facebook ads? I am guessing there is a lot of contamination in the recycling.
- We do not put meats, dairy products or other non-vegetable food items in yard debris bins. Yard debris should not be commingled with solid waste but composted and reused.
- Would be great if we could recycle glass and compost at my place of employment.
- I just moved here from NC. I am very surprised there is not a compost service in place. I know you can put raw fruits and veggies in the yard bin, so that's at least one step in the right direction. However, something more could be implemented. Secondly, what can and cannot be recycled is unclear. Many residents are confused on what should and shouldn't be recycled.
- I would love to see more efforts to moving Bend/Deschutes County toward zero waste systems (like in San Francisco: <https://www.youtube.com/watch?v=Cg3OA1s8-SI>), including an official curbside compost collection (like in Portland) in addition to the currently-offered yard debris collection, and textile recycling collection receptacles (<https://gemtextrecycling.com>). I believe more public outreach on what can be accepted for recycling is needed. When I lived in Portland, we received regular mailings on recycling. I've found that most people in Bend have no clue what can and cannot be recycled in our curbside bins. I would be interested in forming a citizen task force to research effective municipal zero waste strategies. Please let me know if this would be helpful. Thank you!
- People are lazy whatever will make composting/recycling the easiest is best because people don't want to do anything more than is necessary. I have compost/worm composting and maybe one plastic grocery bag of trash per month. I try to recycle everything I can.
- We also recycle plastic film at the grocery store, use fabric shopping bags and occasionally take our Styrofoam to Portland (until they stopped taking it) We try very hard to repair and re-use items and avoid buying things we don't need. We love our community and our earth and try hard to keep it clean.
- I throw my garden compost in the trash because my HOA doesn't want to see composting bins in yards. I throw away my garden compost because I don't have room for another trash can. I've started bringing my deposit bottles to recycling center myself and keeping the money for myself. I think it sucks you don't recycle clamshell plastics - a lot of places do.
- Our garbage can is set out when full, which takes ~ 10 -12 weeks.
- I think Bend should ban single use plastics like grocery bags, straws, plastic cups. We also should have community composting. Thank you.



SOLID WASTE

Solid Waste Recycling and Composting Survey Results

1.7 - Comments about garbage, recycling or composting at home and work

Total Comments

93

- Currently making a push at work to educate staff on what can and can not be recycled, ie. clam shells = no, cracker box = yes
- I would like to see stronger recycling programs in the school district.
- It would be great to have a more robust composting system, including the "compostable" cups, plates, clamshells (Volcano Veggies), etc. that many businesses use, but that we can't actually efficiently compost.
- Too many people put trash in the recycle bin. Several of my neighbors do, they don't want to pay for excess garbage. I read that somewhere they won't pick up the recycle bin if it has trash. Does the driver have to get out and check each bin??? I think they should send the recycle truck out first and have them leave recycle bins with garbage. Then have the garbage truck pick up the recycle can as garbage along with the garbage can and charge for 2 cans of garbage. But that's too much work for the drivers unless they have an easy way to record the extra pickup, AND look in the recycle can. But people will just scatter recycling on top to make it look like a proper recycle can.
- Interested in composting options when i dont have a yard to do it
- We both work from home so we recycle. Have tried composting in the past and failed. We are open to trying it again.
- We must get better at this. We must get better at developing alternatives to our waste. If we develop alternatives and make garbage expensive enough, the vast majority of people will reduce their waste. Humans are not good at dealing w/future crisis. 2029 seems so far away. Unless strongly encouraged by financial reasons or forced by policies & laws we won't do anything until too late. The planet deserves better. Thanks.
- I'd love to have more recycling bins at work and recycling information to share with my staff.
- I would love having more composting options available.
- Increasing deposit has resulted in more can, plastic bottle, and glass self haul recycling in my household.
- Recycle bins are not large enough. Also, to promote less waste I should only pay for when I set my garbage can out, if I skip a week I should get a credit or something...
- I would like to become more knowledgeable about what materials are recyclable and what is not
- I would love it if there was a formal composting program. It would also be great if more types of plastics were recyclable.
- I would use and be willing to pay for a curbside compost program. We don't have room to use compost in our yard.
- PLEASE add more plastics to recycling.
- I wish yard waste pick up was free for all just like recycling is
- Garbage is terrible. Recycling is awesome. But sending recycled product on a worldwide trip somewhat defeats the point of recycling. Encourage local business to use/produce products from recycled material? A local contest?
- We compost at home!
- Please offer more recycling of plastics. Work with stores to reduce packaging or for the buggies lieu Costco, Trader Joe's, Walmart, Fred Meyer, etc to truck clamshells and other stiff consumers can't avoid buying to a proper recycling facility in the empty trucks going back to Eugene or pdx.
- Any help with at home composting would be great
- I have such a small yard that yard debris collection and home composting isn't needed. But I would do curbside compost collection if that was feasible.
- Oregon should make it easier.. it used to be we could go to any grocery store to return our cans/bottles now we only have one place to go in Redmond and Bend.. No more choices of where to go.. also the one place to go has become kind of a trashy place.. I would not send my wife or children or mother there alone!!
- we definitely need a city-wide food waste compost option



- It would be great to have more workshops, support on best practices for composting at home. We have a compost tumbler and are interested in how to make the best soil from it. Would be great to hear how others are reducing waste locally to get inspiration, tips, and more.
- We should have compost curbside pick-up and/or access to discounted at-home composters
- Please consider adopting a compost/food waste curbside collection program. Currently, our Yard Debris bin allows for "fresh food" to be included, so one would hope it could be possible to expand that to include all/most food waste. The City of Portland initiated a program a few years ago and has seen great success in waste reduction.
- I would love to have curbside compost pickup but need to look into the cost of a yard waste container if it were only used for food scraps. I also try to only put my garbage and recycling bins out when they are full or super stinky in hopes that by me not placing it on the curb, that will be one less stop for the dump truck and hopefully save on gas. Not sure if this theory is true but if it is it would be great to have a push to educate the public to do the same. Perhaps people could have an option for their trash to only be picked up every 2 weeks instead of every week so that you could build this efficiency into your system.
- Getting the 10 cent bottles and cans into the DEPOSIT - REFUND stream is becoming increasingly difficult. Recycling should be easy and precise.....a no-brainer if taught at schools and throughout our society. Simple - Easy and efficient - even if it costs EXTRA.....
- I am on the Bend Climate Action Steering Committee. We are responsible for creating a workable Climate Action Plan for the community to increase renewable energy use and decrease our carbon and other GHG emissions. Our committee is very interested in the significant role waste management will have on our overall success for years to come. :)
- Would love to be able to add food waste to curbside.
- Work - We tried composting without success due to lack of compliance (wrong stuff in) & lack of greens/browns. I'd do yard waste if there was a reduced option instead of every month. Too expensive for amount of yard debris I have.
- Would love a small curbside compost option
- If Bend could pass legislation making takeout containers (coffee and drink cups, food packaging) either more expensive or banned, that would help a lot. Americans can do more, and the changes to established habits may be painful at first, but in the grand scheme, no big deal.
- I've been "homeless" for 6 years and the amount of waste - I have found - is appalling. Vote for me as Mayor of Bend so WE can help clean up our community and to propagate positivity and critical thought locally to begin...
- I would like to see appropriate bins for collection in my apartment complex.
- Curbside service - Live in unincorporated Bend and do not have this service - must take to transfer station
- Glass & yard debris pickup in the county would be awesome.
- I would love to not have to pay extra for yard waste. It reduces our garbage volume & waste to landfill significantly!
- Hope its working
- Work compost - Soon. I know that awareness of what can be recycled is pretty minimal among my peers.
- Would really like to see composting bins so all food waste & certified compostables etc. can be composted in a bin at home. i.e. more than just current yard waste
- More info/signage, perhaps on bins, on what's acceptable and what's not. Also include info with bills - maybe quarterly so people really look at it with lots of visual images.
- Would be nice to have curbside recycling and yard/food waste collection available at outlying communities in the county (where curbside garbage is already offered)
- Regarding yard waste recycling - I have a lawn maintenance service that maintains the yard. They haul away the yard waste. I assume that they dispose of it properly.



SOLID WASTE

Solid Waste Recycling and Composting Survey Results

1.7 - Comments about garbage, recycling or composting at home and work

Total Comments

93

- Compost at home: We didn't know that was available. We will compost in the future. Self-haul recycling: Most often batteries, hazardous waste, e-waste, etc.
- Sure wish we had the option of weekly recycling pickup. My recycling bin is overflowing every other week, and often I have to drive to the Knott recycling station in between. My garbage bin is usually only about half full each week. In Portland, garbage was every other week and recycling was weekly...that worked well, I found. Also wish I could recycle used motor oil curbside like Portland does...but, I wonder if I'm one of few who change their own oil these days :-).
- The city of Guelph in Ontario Canada has an excellent waste management program. Might be something worth checking out.
- New residential communities - new homes - the builders don't give residents enough space for all the trash & recycle bins - there's no way I could fit another can and... I do NOT want to SMELL residential food waste in my home or neighborhood
- Would love to have glass recycling in rural Deschutes County!
- I wish Knott Landfill had Terracycle (www.terracycle.com) boxes at the transfer stations that we (as a community) could add to, and increase our recycling/decrease waste streams.
- Glass and compost bins at work would be great. I wish plastic clamshells were recyclable. Why aren't they?
- I would love curbside composting, and more education about what can and can't be recycled here.
- We are interested in learning about any industrial composting options available to us as a business.
- We need to be able to recycle clamshell, or push for reduced use of clamshell in grocery stores.
- Would like a compost recycling available at home and work
- It would be great to see Bend doing better with composting food. There are so many farms that could be linked up with that valuable resource. Last time I was in Bend, they didn't recycle glass which is crazy. I just moved back and hopefully that has changed.
- The majority of people recycle incorrectly and need training. There needs to be a lot more information put out there as to what is and is not recyclable, and why it matters. Also, there should not be an extra charge for yard waste recycling. People don't do it for that reason. The same for charges for bringing recyclables to the transfer station.
- We need to make waste management more expensive so more people recycle and compost. People need to be trained on how easy it is to do the right thing for the environment and our community!

5-SA = Strongly Agree, 4-A = Agree, 3-N = Neither Agree/Disagree, 2-D = Disagree, 1-SD = Strongly Disagree

2.1 - Educate on Buying Less Packaging

2.3 - Require Business Recycling

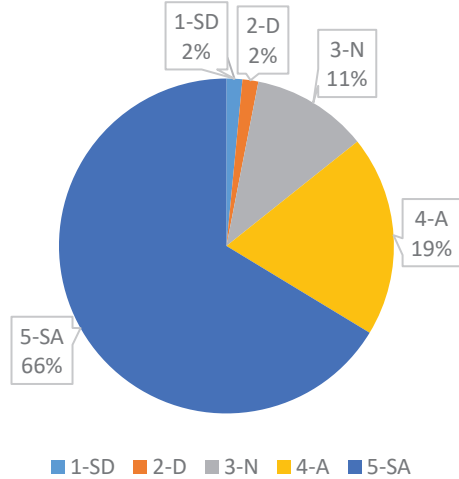
2.5 - Require Multifamily Recycling

2.2 - Include Curbside Yard

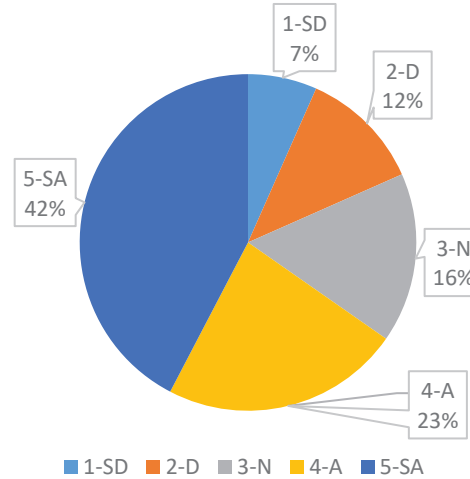
2.4 - Offer Business Incentives

2.6 - Offer Multifamily Incentives

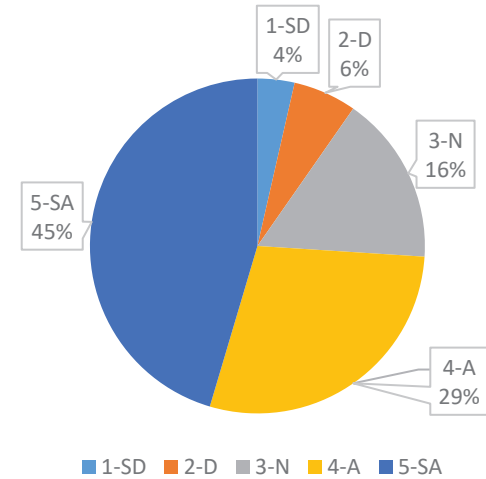
2.1 - EDUCATE ON BUYING LESS PACKAGING



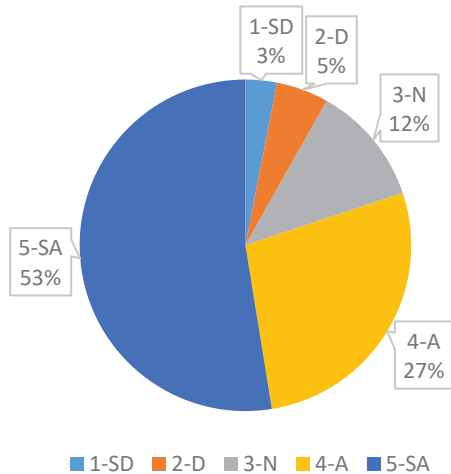
2.2 - INCLUDE CURBSIDE YARD W/ BILL



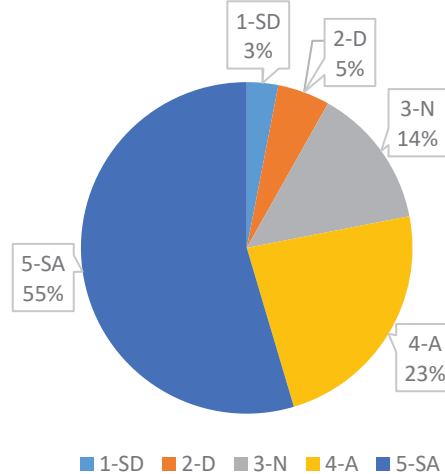
2.3 - REQUIRE BUSINESS RECYCLING/FOOD SEPARATION



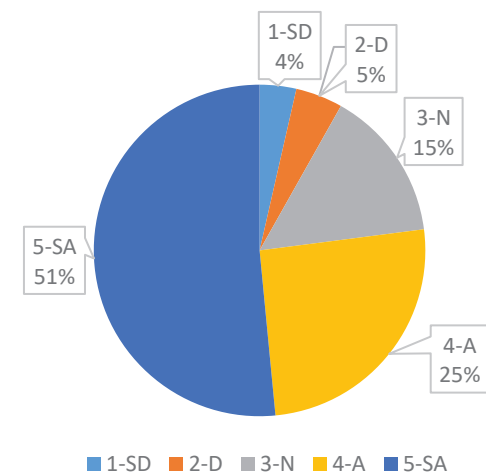
2.4 - OFFER BUSINESS INCENTIVES



2.5 - REQUIRE MULTIFAMILY RECYCLING



2.6 - OFFER MULTIFAMILY INCENTIVES





- By adding food waste to recycling program, won't that fill up the landfill quicker? Food waste should be collected more than once per week because it is going to stink!!
- Where does the composting and yard waste go? Why does that save space, when regular trash pickup does not?
- Hotels should be required to have recycling available.
- Restaurants should be given incentives that they can also use in advertising. Like a special logo and or sticker that they can show proudly for being zero waste etc. The more incentives and the easier things are made through programs the more people on board with creating less waste. Thanks!
- Since a large portion of our waste in the landfill is construction waste, I think thoughtful consideration should be put towards financial incentives and/or regulation, policy, building codes, permits, etc to really make a dent in extending the life of our landfill and conserving resources (environmental and financial). I only think all residents should have yard waste/food waste as part of their bill if this includes ALL food waste, like how businesses currently can compost.
- It would be nice to have a way to more easily identify and sort the types of plastics. Also if more plastics were accepted lies would go in the landfill. When I lived in Bozeman. Mt they had these wonderful dumpster around town for recycling that has sista sections for the sudent items. It was how I recycled living in my apartment complex.
- Incentivize, don't mandate
- I think it would be best to tackle people recycling the right things and not putting garbage in the recycling before trying to tackle adding food waste composting. Maybe incentives are supplied for recycling or composting only if it is done right. That might be to hard to track though.
- I think it is incumbent on businesses and property owners and managers to institute these policies. It should not become a burden to low-income residents. There should also be better education and infrastructure for hazardous waste disposal.
- Perhaps residential, business and multifamily complexes should be given rate incentives for recycling and composting. We also need to develop recycling businesses that can process recyclables locally.
- Provide the container, and they will come.
- There are so many variances to the above questions it's difficult to answer with the above options. Is it cost effective for you?, how do you drill EVERYONE it's beneficial to recycle everything we can?...SO many questions.. We support recycling 200% but I'm still uncertain myself of the fine points of plastic recycling.. It's not easy and LOTS OF PEOPLE need more info on it CONSISTENTLY!!
- Yard waste/food waste should not be required. I like having the option. I think it would be great to learn more about the relationship between who is creating the food scraps and who benefits from the compost. Once it is composted at the landfill, who is buying and using it?
- With our affordable housing shortage, we should not single out and burden multi-family housing with requirements or fees.
- I have tried food composting and found it to require a lot of time and attention but I'd be more than willing to separate it for collection!
- I think that curbside composting should be offered and available for all of Bend, businesses and residential but not required for anyone. I also think that reducing packaging and waste should be a main goal for everyone.
- We should have programs in the Deschutes schools that education children about recycling, reusing, and reducing.
- We should ban single use plastic bags!
- I'm currently in the Bend/Deschutes County JMA, and am served by Bend Garbage. For some reason, I'm offered recycling in a blue bin, but not recycling of yard waste. This should be changed to allow for more composting material to be gathered. As of now my only option is to take it to the landfill in general, a wasteful process.



- We should get a county ruling to outlaw plastic bags, utensils and straws etc which cannot be recycled and end up on the roadsides. Follow lead of Seattle and Portland, we can do it. Maybe weigh the amount of recycling that people take to the landfill collection station and then weigh their trash when they haul that and give a credit if they are big on recycling and small on trash. I see a lot of metal and wood going into the trash. Make the landfill last forever!
- We compost in our backyard and so don't need compost pick-up. We don't have enough yard waste for weekly pick-up. Would it be practical to have free community dumpsters for yard waste and compost, perhaps at the edge of parks? A likely problem might inclusion of garbage and too many plastic bags.
- This is a necessity.
- how would compliance with recycling and composting requirements be ensured?
- Need to make it EASY to recycle and compost or no-one will do it.
- I compost and have worm composting on my own and use it in my yard to enrich the soil so I can eventually have a garden. I wouldn't want to be charged for this service. But think it is a good idea for people who won't do it themselves.
- This is tough to answer because I have mixed feelings. I feel that everyone should recycle and compost, however requiring them to do it can backfire because they won't do it correctly or conscientiously. Education and promotion is the key. Perhaps requiring a trial period of three months when a person signs up for new service would allow them to see if they are willing to recycle and compost correctly. Providing rate incentives are nice, but the process is costly so who will pay for it?
- Food waste in the landfill helps everything else in the landfill to decompose better. It also provides the fuel to create the methane that runs the power plant on the landfill. Completely separating out the food waste changes the character of the landfill and the decomposing lifetime of the trash in the landfill.
- You haven't mentioned prices. A lot of people are being crushed by taxes and fees in Deschutes. I don't think it's fair to force this on anyone except a business. Why don't you fine companies in Oregon that have excess packaging and ARE THE PROBLEM??? You're punishing the end users but not the people who create the problem.
- Recycling and composting is something we ALL should be doing as it's called personal responsibility. I'm sure more people would partake in composting and recycling if there weren't additional fees. Maybe have it as an "all-in-one" package. You pay your monthly fee and with that it includes trash, recycling AND composting. It must be easily accessible for customers to use it. If it's not they won't.
- yes, yes, yes to recycling and educating/promoting waste reduction is HUGE
- Composting food waste in the yard debris bin only includes raw plant material, if I understand it correctly (apple cores, carrot tops, etc.). It would be great if the facility could compost meat bones, cooked leftovers, etc. I assume this is possible, but I'm not sure what it entails. Portland has a composting system...what do they do that might be worth copying?
- People are LAZY!! In multifamily complexes they will choose the easiest place to throw their trash, no one can hold anyone else accountable - unless there are cameras and everyone can see who are the offenders and they get chided into complying.
- I would like to do compost but in this new home with no garden i would like to know what options i could have
- If you give businesses and multifamily complexes incentives to recycle & compost you should give individuals incentives too!
- Would it be possible to require grocery stores and restaurants to donate food instead of throwing it away? There's so much perfectly good food being wasted. It makes no sense.
- When you say require multifamily to compost, I assume you mean require them to separate food waste that will be part of the collection program



- Instead of teaching consumers what packaging to buy, the manufacturers should package in fully recyclable products. That way there's no question if it can be recycled or not
- I lived in an apartment building and saw lots of people try to recycle things that aren't recyclable. I think there needs to be more signage in apartment buildings about what is/isn't recyclable. This is particularly an issue as lots of people move to bend from other areas that have different recycling rules
- I agree with requiring recycling. I do not agree with requiring composting.
- "Require" is a word that provides no wiggle room. Incentivize offers a benefit to both parties.
- Why not charge a fee for recycling to be done for folks. Take a look at what rainbow disposal in Huntington Beach does. There's a fee and the facility sorts. It's apakling how much waste there is. Responsible packaging and consumerism is critical to our future.
- the ones I said "Strongly DISAGREE On.. I feel apartment complexes and businesses would raise their rates which would directly affect the average person.. apartment complexes as you guys well know already charge an arm and a leg.. so that is why I strongly Disagree.. and I strongly Disagree about all residents should have curbside/food waste collection bill.. due to the fact Some Do not use that service.. it's like the State of Oregon recently passing a law where everyone gets a transportation tax deducted from their pay checks now.. Surprise.. guess why we are disgusted with the government???. you guys do that I Gurantee the Deschutes county leaders will be hearing a ton of negative comments over it!!!!. also.. maybe poor planning on deschutes counties fault for the land fill.. why should us as residents have to do something about it.. if it was a lack of planning of the deschutes county leaders?
- I always think that incentive programs work best. I don't think burden should be placed on multifamily complexes as they usually tend to be lower income..but I see the point in trying to control areas that may not have the space to compost on site. It still seems discriminatory to me.
- Comment on the "all residents should have curbside yard/food waste collection." I already have that and it is already on my bill. Not sure why you're asking that question. Also, the garbage and recycling bill comes every other month, not monthly.
- A strong education program, along with incentives will be among the key factors to engage our community in reducing their waste and recycling more, among other actions. Mandatory requirements will likely be a disincentive. Due to my committee position, I've chosen the neutral route on the last five questions. Good luck.
- Multifamily complexes need to have a way to give a rebate to tenants for recycling and composting. They would need to have someone monitor what goes in the right bin since many choose not to be responsible. This is a challenge. There needs to be a colorful laminated poster showing what goes in what bin and what not to recycle/compost.
- Some businesses are awfully small to handle this or even generate enough/any compost. Require a certain size business maybe? Or food-based business only?
- Curbside yard waste/food waste collection - Only if we use the service.
- Vote early and vote often. Let's make this change NOW :-)
- "Require" sometimes pisses people off. But I think it would force change. But maybe giving incentives to do it would be more effective than requiring it? Like you have to pay more if you don't do it.
- I don't really understand multi-family complex question. I think there should be big rate incentives for building (construction) waste reduction. Or, some other program to collect & reuse/recycle construction waste. i.e. separate bin for re-store/habitat re-usable materials & rate reduction or rebate for amount in said bin.
- Curbside yard waste/food waste collection - If they don't have a yard they shouldn't have yard waste
- All residents should have curbside yard waste/food recycling as part of their monthly bill: If in a practical sense that is required to make yard waste/food recycling work, then I think it should be a requirement.



SOLID WASTE

Solid Waste Recycling and Composting Survey Results 2.7 - Landfill Longevity Additional Comments

Total Comments

62

- First step is to reduce, then reuse then recycle. Would love to know if there is a program for black pastor plant containers.
- What we really need is a waste energy plant
- Multi family complexes with stink to high hell with composting! It's 90-100 degrees way too often - what about the poor homeowner that gets stuck living next to the compost pile??!! Home value? Health? Vermin?
- I didn't realize there were multi-family units that *don't* provide recycling bins!
- For things which we cannot recycle locally, we should look into systems/programs where we can send it away (www.terracycle.com), and place the boxes in strategic locations around town.
- Disagree: Those of us who compost shouldn't have to pay for food and yard waste collection since it's a service we wouldn't use.
- Offering rate incentives for recycling and separating food waste for composting sounds good, but I don't recommend it unless there is a corresponding economic benefit to the County.
- All education messages should include information about the costs of opening a new landfill. We should also consider adding a small fee toward the future cost of the landfill since it is inevitable that we will need to source one. Saving today for this future expense would be financially prudent.
- The reduction of packaging waste is crucial, but would be more effectively dealt with at the level of when the packaging is put on, rather than at the consumer level. We need legislation to reduce wasteful packaging, especially plastic packaging, and the counties should be lobbying the Oregon legislature to get this done.



Deschutes County

2019 Solid Waste Management Plan

Appendix C - Deschutes County Disposal Survey Responses

(Intentionally Left Blank)

1 - Rank by order of importance: 1 = most, 7 = least

1.1 - Implementation Considerations

1.3 - Cost Effectiveness

1.5 - System Flexibility

1.6 - Reliability

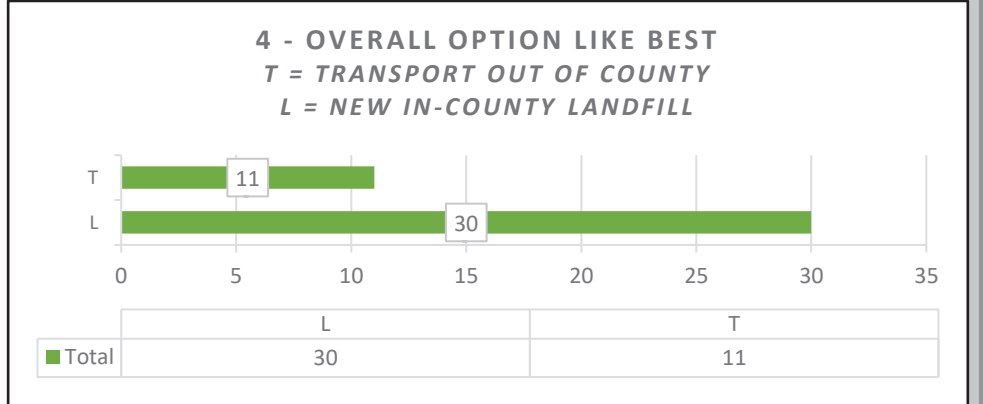
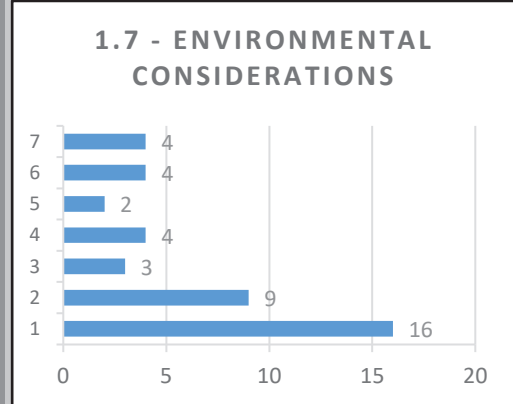
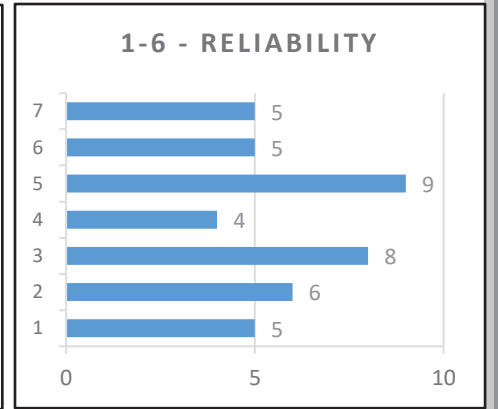
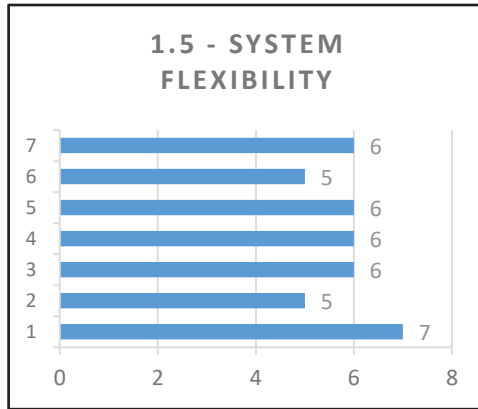
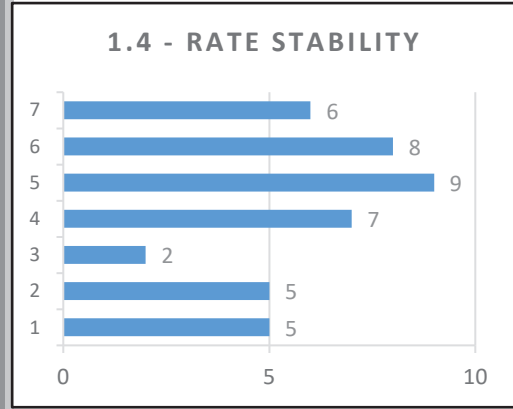
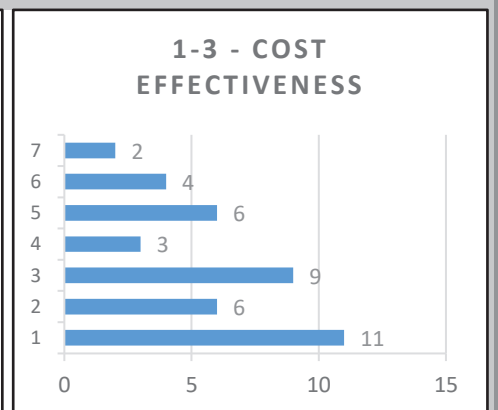
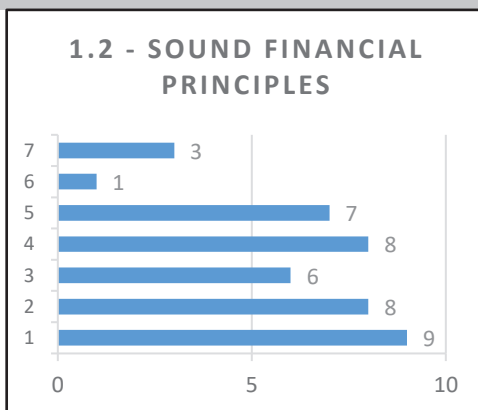
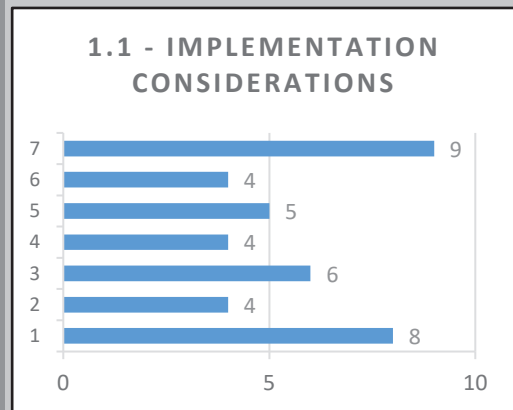
1.2 - Sound Financial Principles

1.4 - Rate Stability

1.7 - Environmental Considerations

4 - Overall Option Like Best: T (Transport Out of County) / L (New In-County Landfill)

Ranking 1 = Most 7 = Least	1.1 - Impl Cons	1.2 - Sound Fin Princ	1.3 - Cost Effectiveness	1.4 - Rate Stability	1.5 - System Flexibility	1.6 - Reliability	1.7 - Env Cons
1	8	9	10	5	7	5	16
2	4	8	6	5	5	6	9
3	6	6	9	2	6	8	3
4	4	8	3	7	6	4	4
5	5	7	6	9	6	9	2
6	4	1	4	8	5	5	4
7	9	3	2	6	6	5	4
Responses	40	42	40	42	41	42	42





- Encourage more recycling esp. of items that will produce methane
- Still thinking about that!
- Infrastructural changes - make it easier for "green" disposals. Also, education!
- Increased environmental restrictions and the extra cost.
- I'm wondering if in this process, plans or proposals have been recommended/suggested to address the enormous waste that happens on our school campuses?
- Transfer stations need to be open 7 days a week and safe.
- Loss of public land.
Incentives and penalties to reduce packaging, food waste, construction waste.
Money from reuse of the existing Knott Road site. Money from its development could pay for a new site or transfer of solid waste to another site.
More competition in garbage, recycling and yard waste collection to reduce that cost to residents.
- Resiliency in case of emergencies. The roads north to Columbia river landfills may be closed in case of earthquake, fire, or severe weather.
- Increased fill rate of out of county landfills.
- No
- landfill alternatives
- No, I don't have anything to be considered about this landfill.
- building a new land fill
- burning
- Hopefully longevity and other plans will put in place incase of more build up prior to the development of other facilities.
- I know Deschutes County on its own doesn't generate enough trash to have an EFW (Energy From Waste facility) but what if we took trash from other counties? It is estimated that Central Oregons population to double in the next 15 years...Would that be enough trash to make this viable option? In 2016 in Jefferson, Crook, Deschutes and Klamath counties, combined for more solid waste (252,811 pounds) than Marion County (243,100 pounds) (source: 2016 Material Recovery and Waste Generation Rates Report). EFW in Marion County processes 550 pounds per day/200,750 per year. The counties surrounding us are already shipping their solid waste elsewhere. Why not ship their solid waste to Bend to our new EFW facility? If we build an EFW it's one and done... Just ideas, because at some point, the next landfills will get full, will close and we'll have to go through this all over again.
- WTE technology is emerging and was not fully explored in the documents prepared during this planning process.
- How many jobs would be impacted if we send our trash out of the county?
- Continue to think about waste reduction, composting options and education for users.



SOLID WASTE

Solid Waste Disposal Options Survey Results 3 - Questions or Comments About Options

Total Comments

13

- If we end up hauling long distance then we need to use trucks that run on methane or biodiesel
- Keep our trash here & emphasize waste reduction & sustainability.
- Curious about expanding recycling & composting for residents. The less in the landfill, the better.
- My comment would be that given past projects (i.e. parkway) a new landfill would hit major appeals and cost overruns.
- Have you thoroughly looked at rail transfer to existing large landfills elsewhere?
- None. I attended the open house and it was very well down.
- None
- is there other options?
- I don't have any comments or questions.
- making a new land fill to help keep trash safe
- If decided upon to develop a new Landfill in County how will the land be acquired and decided upon prior to either constructing or developing new facilities? What precautions will be put in place to address near by pedestrians?
- In the environmental section, GHG emissions are stated as having local impacts. GHG emissions are fairly ubiquitous and should be viewed from the lens of a total system.
- How many jobs does Knott landfill provide the county?



- As much as possible we need to take care of our own problems & waste. We need better & more methane recovery. It's very iffy to think you can get land from BLM. Public land should stay public & not be used as a landfill.
- Local control & accountability
- We shouldn't ship our waste elsewhere! 350K mi vs 2.1 million miles is huge.
- Transportation emissions
- I think that it would be better from all aspects to transfer to an existing landfill that has the capacity.
- Keep it local!
- Concerned about having reliable, cost effective solid waste options.
- The out of County option utilizes existing landfills thereby negating the need to use valuable land to create a new landfill here in Deschutes County. It eliminates the need for acquisition, start-up, and operating costs based on a future capacity requirement. It also eliminates the need for additional bond debt to acquire and construct a Deschutes County landfill. It also allows much more flexibility to adjust for solid waste volume in the future.
- Rate stability and being able to take items to the dump.
- I prefer rail transport out of county if overall greenhouse gas emissions are less or equal to truck and private vehicle transfer to a new landfill in Deschutes County. Otherwise, it depends on the new site and environmental/public values. I value open public lands, such as BLM, and don't think we should take away that land from public use.
- Local landfill is the long term lowest carbon emission solution. A local landfill results in a more stable cost structure through the landfill life. Deschutes county is a favorable hydrogeologic environment for the long term storage of waste. A local landfill provides the most flexible solution for processing alternative waste streams. Additionally, a local landfill helps the community maintain mindfulness of the impact of waste disposal.
- Less greenhouse gases from driving garbage far away. Less trucks on the highway. But we must reduce the waste through more vigorous construction and demolition recycling.
- Well, trash is trash, so neither choice seems like a particular "win," but the matrix dictates that regional sites have a good history of compliance, and there's less for Deschutes County to deal with if we truck it out. But then the highway miles/emissions are a bad deal under that plan, so.....hopefully smarter minds than mine will come to the most optimum decision.
- More control for the county and better job opportunities for locals
- It can keep jobs and there would be way less commuting
- this option is the best because in a county landfill it keeps all the costs down and it's safer to do this
- Easier
- Supports local development
- It will be more jobs available if we do build New In-County Landfill, and it won't have to cost more if we do have to transport out of county.
- new land fill
- it's more safe than transport
- While little more costly managing less facilities could be more beneficial to both pedestrians and general land management.
- Local control should be the primary consideration. Deschutes and adjacent counties are a geographic islandperfectly capable of managing its waste disposal challenges without undue reliance on remote and unpredictable influences over the next 50 years or longer.
- I feel 1) it's our trash, we should be responsible for it, 2) Better for the environment (fuel, road repair, oil, etc.) keeping the truck traffic 1/16 - 1/8 of out of County 3) Keeping job local.



SOLID WASTE

Solid Waste Disposal Options Survey Results

4 - Overall Option Like Best

Total Comments

30

- First reason is the lower cost to the system for an in-county landfill, and the second reason is the much lower environmental impact to ship to a local landfill.
- Transportation out of the county allows for the county to be flexible as new technologies emerge in MSW management (e.g. WTE). If the county constructs a new landfill, it will create the "feed the beast" hurdle as future technologies become more feasible.
- Cost effectiveness.
Significantly more truck miles for out-of-county option.
- It is more practical. However, it will have to be done in such a way that the surrounding use will not be impacted.
- We need as many jobs as possible in the county. If we transport out of the county, it seems we'd be taking jobs away from current residents.
- Self-sustaining and reliable model. It provides long term financial stability for rate payers. There is a lot of unknowns especially for funding and variables outside of county control if we transport out of county. Gas prices will likely rise, and other agencies will have control of our garbage bills. The county has time to identify and construct a location prior to Knott end of life. We should start charging now to collect funding to be able to do that.



Top Line Results

Survey of Registered Voters Deschutes County, Oregon

Dates Conducted: 6/24/2019 through 7/3/2019

Survey Type: Live Interview Telephone

N = 505N

Margin of Error at 95% Confidence Level: +/- 4.3%

Weighting: Age & Gender

Q0. Are you speaking on a landline or cellphone?

	Count	Percent	Cumulative Percent
Landline	83	16.5	16.5
Cellphone	422	83.5	100.0
Total	505	100.0	

We would like to start by providing you some background information on the Knott Landfill, the only landfill in Deschutes County.

Currently, the Knott Landfill is estimated to reach its capacity in ten years. One of the biggest questions facing County officials is what will happen once the landfill is full.

A committee of local residents and stakeholders have been studying a variety of disposal options, but two main choices have emerged:

The first option is to build a new landfill in Deschutes County. The second option is to transport our trash out-of-county to a large landfill near the Columbia River Gorge.

In terms of costs, currently, Deschutes County spends about \$35 per ton of trash to maintain garbage at the Knott Landfill.

If we build a new landfill, costs are estimated to increase to \$42 per ton. If we transport trash out of county, costs are estimated to increase to \$47 - \$62 per ton. These are estimated rates which can be difficult to forecast because of unpredictable factors like fuel prices, taxes and other fees

Q1. How important is the financial impact of this decision to you? Is it...?

	Count	Percent	Cumulative Percent
The most important factor	89	17.6	17.6
One of many important factors	260	51.6	69.2
Neutral	79	15.7	84.9
Not an important factor	30	6.0	90.9
The least important factor	41	8.2	99.1
Not Sure / Don't Know	5	.9	100.0
Total	505	100.0	

total % important 69.2

total % not important 14.1

A landfill impacts the area where it is located and requires mitigation of impacts such as emissions, litter and odor. If we build a new landfill, these impacts will remain in Deschutes County. If we transport trash out of county, impacts from our trash will affect other jurisdictions.

Q2. Please indicate to what extent you agree with the following statement: Trash that is generated here should stay here. Do you...?

	Count	Percent	Cumulative Percent		
Strongly Agree	233	46.2	46.2	total % agree	84.5
Agree	193	38.2	84.5	total % disagree	2.3
Neutral	67	13.2	97.7		
Disagree	9	1.8	99.5		
Strongly Disagree	3	.5	100.0		
Total	505	100.0			

Truck transportation has been identified as a significant source of carbon emissions. If we transport trash out of county, there will be more emissions because of the miles trash will travel to be disposed of. If we transport trash out of the county, we estimate over 2 million miles will be traveled each year. If we assume a new landfill will be sited 30 miles from Bend, we estimate about 350,000 miles will be traveled each year.

Q3. Please indicate how important the transportation impacts of this decision are to you, Is it...?

	Count	Percent	Cumulative Percent		
The most important factor	94	18.6	18.6	total % important	77.4
One of many important factors	297	58.7	77.4	total % not important	11.2
Neutral	55	10.9	88.3		
Not an important factor	27	5.3	93.6		
The least important factor	30	5.9	99.5		
Not Sure / Don't Know	2	.5	100.0		
Total	505	100.0			

If we build a new landfill, jobs and revenue from trash disposal stay here. If we transport trash out of county, revenue and jobs are created in other places.

Q4. Please indicate how important the economic impacts of this decision are to you. Is it...?

	Count	Percent	Cumulative Percent		
The most important factor	146	28.8	28.8	total % important	82.3
One of many important factors	270	53.4	82.3	total % not important	6.7
Neutral	55	11.0	93.3		
Not an important factor	17	3.4	96.7		
The least important factor	17	3.3	100.0		
Total	505	100.0			

If we build a new landfill, 400-500 acres of land will need to be developed. This development could displace other uses and may impact neighboring parcels of land even in remote areas of the County. If we transport trash out of county, there won't be an impact to local land within the county.

Q5. Please indicate to what extent you agree with the following statement: I would be comfortable displacing other uses so that a landfill could be built locally. Do you...?

	Count	Percent	Cumulative Percent		
Strongly Agree	172	34.1	34.1	total % agree	77.1
Agree	217	43.0	77.1	total % disagree	7.4
Neutral	74	14.6	91.7		
Disagree	29	5.8	97.5		
Strongly Disagree	8	1.6	99.1		
Not Sure / Don't Know	4	.9	100.0		
Total	505	100.0			

Please rank the following impacts from most important to least important based on your values on a 1 to 10 scale, where 1 is least important and 10 is most important:

Q6A. Impacts on my monthly trash bill / disposal rates

	Count	Percent	Cumulative Percent		
1-Least important	51	10.0	10.0	total % ranked 1-5	50.8
2	18	3.6	13.7	total % ranked 6-10	49.1
3	37	7.4	21.0		
4	23	4.6	25.7		
5	127	25.1	50.8		
6	42	8.3	59.1		
7	55	10.9	70.0		
8	52	10.3	80.3		
9	21	4.2	84.5		
10-Most important	78	15.4	99.9		
Not Sure / Don't Know	1	.1	100.0		
Total	505	100.0			

Q6B. Environmental impacts

	Count	Percent	Cumulative Percent		
1-Least important	18	3.5	3.5	total % ranked 1-5	23.1
2	8	1.6	5.2	total % ranked 6-10	75.4
3	14	2.8	8.0		
4	9	1.9	9.9		
5	67	13.2	23.1		
6	24	4.8	27.9		
7	44	8.8	36.7		
8	100	19.8	56.5		
9	55	11.0	67.4		
10-Most important	157	31.1	98.5		
Not Sure / Don't Know	7	1.5	100.0		
Total	505	100.0			

Q6C. Impacts to local jobs and the economy

	Count	Percent	Cumulative Percent		
1-Least important	9	1.8	1.8	total % ranked 1-5	19.1
2	6	1.2	3.0	total % ranked 6-10	80.3
3	8	1.5	4.5		
4	17	3.3	7.9		
5	57	11.3	19.1		
6	29	5.8	24.9		
7	66	13.1	38.0		
8	107	21.3	59.3		
9	61	12.2	71.4		
10-Most important	141	28.0	99.4		
Not Sure / Don't Know	3	.6	100.0		
Total	505	100.0			

Q6D. Impacts to land and local development

	Count	Percent	Cumulative Percent		
1-Least important	13	2.5	2.5	total % ranked 1-5	40.4
2	14	2.7	5.2	total % ranked 6-10	58.6
3	25	5.0	10.3		
4	31	6.2	16.5		
5	121	24.0	40.4		
6	39	7.8	48.3		
7	84	16.7	64.9		
8	84	16.5	81.5		
9	25	5.0	86.5		
10-Most important	63	12.5	99.1		
Not Sure / Don't Know	5	.9	100.0		
Total	505	100.0			

Q7. Overall, which option would you support? Building a new landfill in Deschutes County OR transporting our trash out-of-county?

	Count	Percent	Cumulative Percent
Building a new landfill in Deschutes County	469	93.0	93.0
Transporting our trash out-of-county	15	2.9	95.9
Not Sure / Don't Know	21	4.1	100.0
Total	505	100.0	

Lastly, we have a few questions about you that are needed for statistical purposes. Your responses will remain anonymous and strictly confidential. Q8. Are you....?

	Count	Percent	Cumulative Percent
A residential customer	390	77.3	77.3
A business customer	2	.4	77.7
Both a residential and business customer	80	15.9	93.6
A self-hauler	24	4.7	98.3
I never use a recycling or transfer station or the landfill	8	1.7	100.0
Total	505	100.0	

Q9. What is your age?

	Count	Percent	Cumulative Percent
18-34	102	20.2	20.2
35-44	95	18.8	39.0
45-54	85	16.9	55.9
55-64	90	17.8	73.7
65-74	87	17.2	90.9
75-84	41	8.1	98.9
85+	5	1.1	100.0
Total	505	100.0	

Q10. What is your gender?

	Count	Percent	Cumulative Percent
Female	249	49.4	49.4
Male	255	50.6	100.0
Total	505	100.0	

Q11. What is the highest level of education you have completed?

	Count	Percent	Cumulative Percent
Bachelors Degree	192	38.0	38.0
Some College	166	32.8	70.8
Post Graduate	70	13.8	84.7
High School Graduate	71	14.0	98.7
Some High School	1	.2	98.9
Prefer not to answer	5	1.1	100.0
Total	505	100.0	

Q12. What is your approximate annual household income?

	Count	Percent	Cumulative Percent
Less than \$30,000	45	8.9	8.9
\$30,000 to \$39,999	31	6.1	14.9
\$40,000 to \$49,999	32	6.3	21.2
\$50,000 to \$59,999	40	7.9	29.1
\$60,000 to \$69,999	34	6.7	35.8
\$70,000 to \$79,999	35	7.0	42.8
More than \$80,000	228	45.2	88.0
Prefer not to answer	61	12.0	100.0
Total	505	100.0	

Municipality

	Count	Percent	Cumulative Percent
Bend	260	51.5	51.5
La Pine	2	.5	51.9
Redmond	72	14.3	66.3
Sisters	5	1.0	67.3
Unincorporated	165	32.7	100.0
Total	505	100.0	

City - Mailing Address

	Count	Percent	Cumulative Percent
Bend	362	71.7	71.7
La Pine	26	5.2	76.9
Redmond	94	18.6	95.5
Sisters	12	2.3	97.8
Sunriver	2	.4	98.2
Terrebonne	9	1.8	100.0
Total	505	100.0	

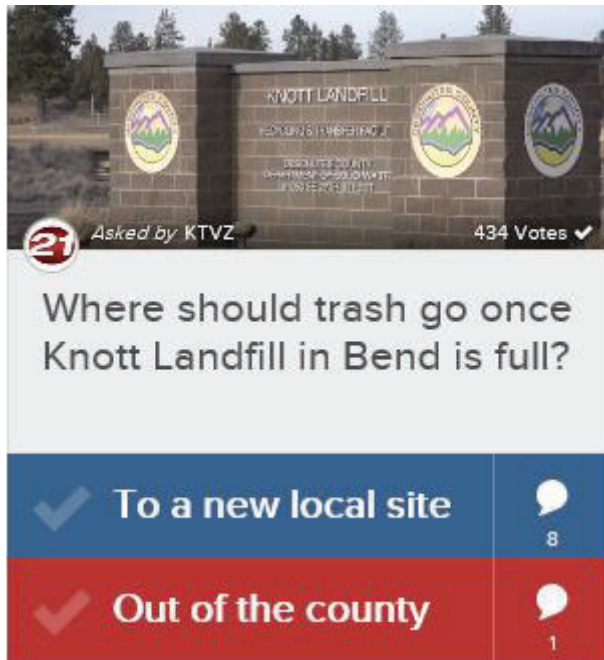
State House District

	Count	Percent	Cumulative Percent
53	207	40.9	40.9
54	217	43.0	84.0
55	38	7.5	91.5
59	43	8.5	100.0
Total	505	100.0	

State Senate District

	Count	Percent	Cumulative Percent
27	424	84.0	84.0
28	38	7.5	91.5
30	43	8.5	100.0
Total	505	100.0	

<https://www.ktvz.com/news/deschutes-county-sets-public-meeting-on-trash-disposal-options/989286403>



As of 3/12/19 (per Katie at KTVZ):

424 votes

89% - To a new local site

11% - Out of the County