

# Cinder Lake Landfill and Rethink Waste Plan Update

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# Discussion Outline

1. Cinder Lake Landfill
2. Materials Recovery Facility (MRF) Planning
3. Pay-As-You-Throw Pilot "Trash Less, Save More!"
4. Residential Food Scraps Drop-Off Pilot
5. Question & Answer



# Cinder Lake Landfill

## Landfill Overview

### Importance of Landfill life

- Currently, there are approximately only 2,600 landfills in the United States
- Developing new landfill space is an extremely costly endeavor

### Hazardous Products Center (HPC)

- Located at and managed by the Landfill
- Diversion of 206 tons of Household Hazardous Waste FY21
- Forecast to divert 90,000 – 100,000 lbs. of e-waste this year

# Cinder Lake Landfill

## Current closure date for entire landfill:

- Based on 3% growth – 2063
- Based on 1% growth – 2072
  - Year over year average tonnage variance over the 15 years is -3.5%

## Grandfathered area (sequence A – C):

- Sequence B (current operating area) – approximately 3 years of Airspace\*
- Sequence A and C – approximately 6 years of Airspace\*

\*Based on 3% growth







# Cinder Lake Landfill

## Landfill Strategies

- Geosynthetic Cover (tarp) system for Daily Cover
  - Tarps use no airspace
  - Using tarps has extended the life of the landfill at least 5 years
- New Cell Design Depth
  - Redesign of Cell E deeper than current design
  - Results in an additional 10 years of Landfill life





# MRF Planning



## Transition to a Transfer Operation

- Work with a consultant to deepen analysis of transfer station option
  - Staff are in the process of contacting potential consultants
- Explore opportunities for sorting and marketing some materials in Flagstaff
- Design a facility that meets Flagstaff's needs
- Plan for transition from MRF to transfer station



# Pay-as-You-Throw Pilot

"Trash Less, Save More!"







# Pay-As-You-Throw Pilot

Pay-As-You-Throw allows residents to choose a trash cart size that more accurately reflects their needs. This creates a direct economic incentive to recycle more and generate less waste.





# Pay-As-You-Throw Pilot

Pilot program launched in August 2021 and over 200 Ponderosa Trails households have registered to participate. Residents receive a full or partial rebate on their city services bill.

Trash Cart Size	Savings	End of 6 Month Pilot Rebate
96-gallon	\$0.00	N/A
64-gallon	\$2.21/month	\$13.26
48-gallon	\$4.19/month	\$25.14





# Pay-As-You-Throw Pilot

## Outreach

- Postcards
- Door hangers
- Homeowners Association
- [Website](#)

## Trash less, save more!

The City of Flagstaff is piloting new rate options for trash service, which will allow you to save money by recycling more and wasting less.

Participate in our 6-month pilot program by signing up for one of the reduced trash cart sizes and receive a rebate on your City Services Bill.



**For a FULL rebate, please register by 8/13/21 .**







# Pay-As-You-Throw Pilot

## IS THIS RECYCLABLE?

beverage carton



no

Wax coated juice, milk, and other beverage cartons cannot be recycled.

*awesome alternative: buy products that come in recyclable plastic, or reusable glass containers*



## IS THIS RECYCLABLE?

plastic clamshell



no

Plastic berry and spinach containers are not recyclable, even if they labeled as #1 or #2 plastics.

*awesome alternative:  
buy fruits and vegetables in bulk without packaging*



# Pay-As-You-Throw Pilot

*"This tag on my recycle bin made my day!"*

*Thank you,  
Morgan O'Conner"*



## **During the pilot:**

- Recycling bin checks
- Recycling contamination
- Bulky trash participation/ violations
- Collecting data
  - Recycling tonnage
  - Trash tonnage

## **Next steps:**

- Evaluate program impacts
- Make necessary service changes
- Develop a plan for community-wide implementation
- Develop educational materials based on recycling bin checks data collected



# Residential Food Scraps Drop-off Pilot



Garden Workshop participant at the Izabel St. Community Garden





# Residential Food Scraps Drop-off Pilot



Residents are provided with free compostable drop-off stations throughout Flagstaff.

Materials are taken to several local farms to be processed. This assists with carbon neutrality goals surrounding waste diversion from the landfill.



Compost from pilot program at Forestdale Farm





# Residential Food Scraps Drop-off Pilot

## Northern Arizona Community Partners

### Local Compost Contractors

- [Compost Crowd](#)
- [Corbin Compost](#)

### Local Compost Processing Sites

- [Forestdale Farm](#)
- [Refugia Gardens](#)



# Residential Food Scraps Drop-off Pilot

In July 2021, two staffed drop-off booths opened at the Flagstaff Community Market and the Market of Dreams.

Free reusable countertop compost pails were provided to participants to encourage access and continued participation in the program.



At the end of the market season, staffed booths closed, and two self-service stations were established.







# Residential Food Scraps Drop-off Pilot

## Weekly staffed drop-off service

- Partnership with Flagstaff Community Market and Market of Dreams from 7/24/21 - 10/24/21
- 273 participant drop-offs and 1770 pounds of materials collected.
- Staffed booths will resume in May 2022 with the market season. Locations are still be determined.



Staffed booth at the Flagstaff Farmers Market



# Residential Food Scraps Drop-off Pilot

## Self-service drop-off stations

- Partnership with Flagstaff CSA & Local Market and Hal Jensen Recreation Center began 10/25/21 to provide self-service drop-off bins.
- Participants fill out a short survey and compost quiz onsite for data collection and educational purposes.
- Over 70 surveys completed within 3 weeks. 72.9% of participants would be interested in a city-wide pick-up service.



New drop-off self-service station at Hal Jensen Recreation Center





# Residential Food Scraps Drop-off Pilot



## IS THIS COMPOSTBALE?

coffee grounds and paper filter



Coffee grounds are high in nitrogen and considered a "green material". Paper filters are carbon rich or "brown material".

*Compost tip: Opt for unbleached filters to keep harsh chemicals out of finished compost.*



## IS THIS COMPOSTBALE?

Animal bones



Although bones will degrade, they breakdown at a slower rate than other materials and can attract pests. City led composting programs do not currently accept any bones.

*Compost tip: Save animal bones from your cooked meals to make nutrient dense bone broth or stock.*





# Questions, comments & discussion





# Thank you!

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