



# **COMMUNITY WASTE UPDATE**

**NOVEMBER 2, 2023**

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Department of Engineering & Public Works**

# 2021 & 2023 ASSEMBLY GOALS:

## 5. Sustainable Community

Juneau will maintain a resilient social, economic, and environmental habitat for existing population and future generations.

# JUNEAU WASTE 101

## Waste Hauling

Hauls waste and curbside recycling to landfill



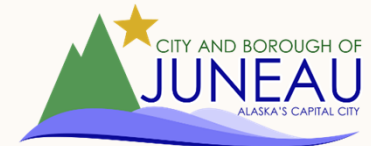
## Landfill

Accepts waste



## Local government

Recycling Center / Junk Vehicle  
Household Hazardous Waste



**State:** Alaska Department  
Of Environmental  
Conservation (DEC)

**Federal:** Environmental  
Protection Agency (EPA)

**Specific ADEC or EPA  
regulations apply  
situationally**

**\*In addition to the listed services, Juneau Composts! accepts food, yard waste, and other organics; Skookum Sales & Recycling and D&S Recycling accepts scrap metals**

**Service\***

**Provider**

**Regulated By**

**Regulatory Commission  
Of Alaska (RCA)**

# SOLID WASTE BARRIERS

**CBJ does not own/control Juneau's waste stream**

**CBJ does not own/control the landfill**

## ■ **Recycling facility**

- **The facility is near capacity**
  - Diversion is about 10%
  - Approaching max capacity in the recycling/HHW buildings
  - Staffing constraints
- **Rising fuel costs = rising recycling costs**

## ■ **Food waste**

- Juneau needs to prevent and divert more food waste
- Total composting will be limited by the amount of carbon sources we can secure

## ■ **Seasonal population**

- Large surpluses of furniture, mattresses, and other household items every year



# **SOLID WASTE PLANNING & PROJECTS**

- **Municipal Compost Facility**
- **Waste Characterization Study (June 2024)**
- **Zero Waste Subdivision (name TBD)**
- **Find solutions that are practical, economically feasible, and environmentally preferable**

# SOLID WASTE PLANNING & PROJECTS FUNDING

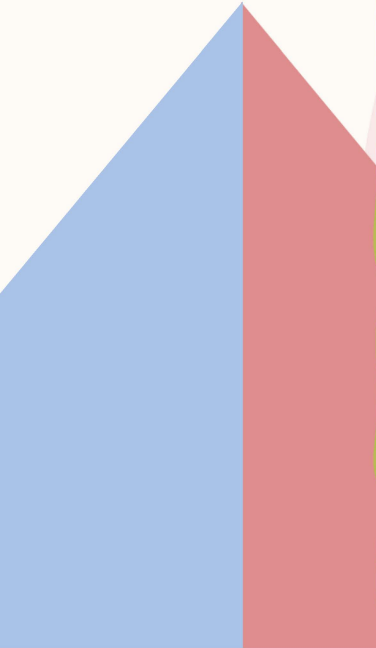
## 2023 Congressionally Directed Spending Award: \$2.5 million towards developing a large-scale municipal composting facility

- Applied for the EPA Solid Waste Infrastructure for Recycling (SWIFR) Grant in 2023 for an additional \$4 million for this project, but was ultimately unsuccessful
- CBJ will apply for this grant program when it is offered again (hopefully in 2024)

## USDA Composting and Food Waste Reduction Cooperative Agreement with Juneau Composts! submitted in 2023

- \$400,000 for site improvements and a windrow turner



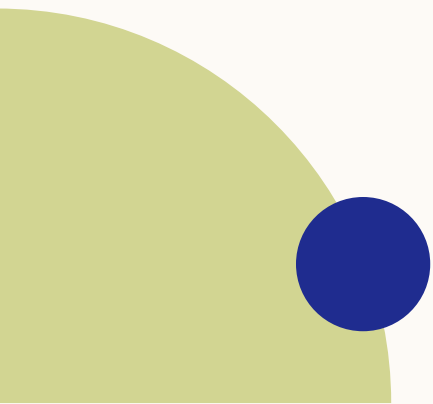
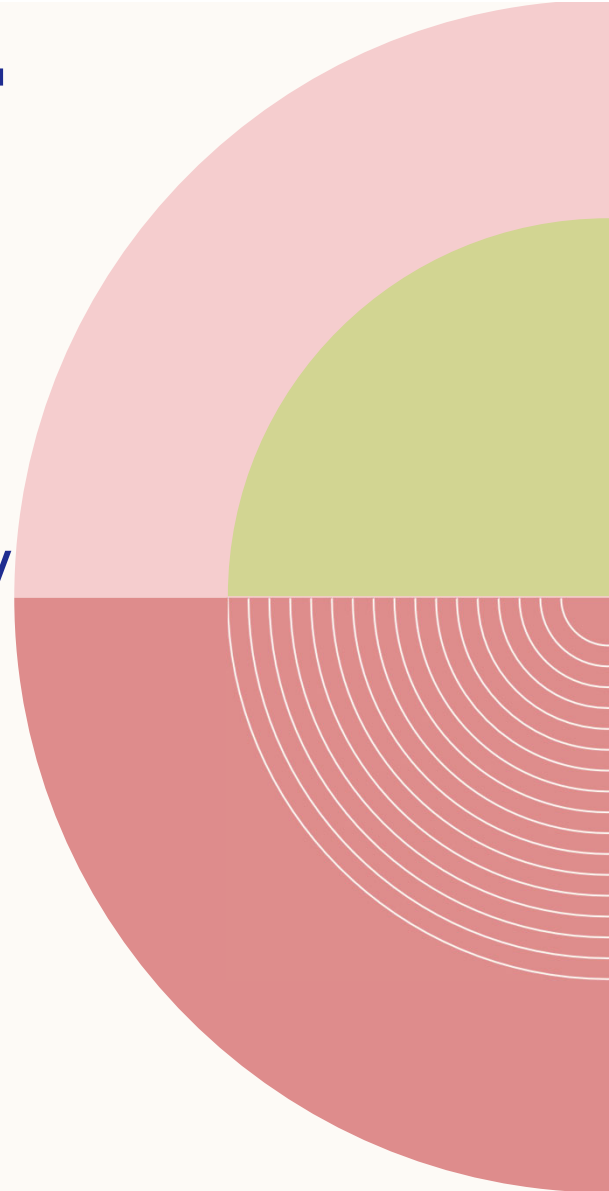


# WASTEWATER TREATMENT

Mendenhall Wastewater Treatment Facility

Juneau-Douglas Wastewater Treatment Facility

Auke Bay Wastewater Treatment Facility

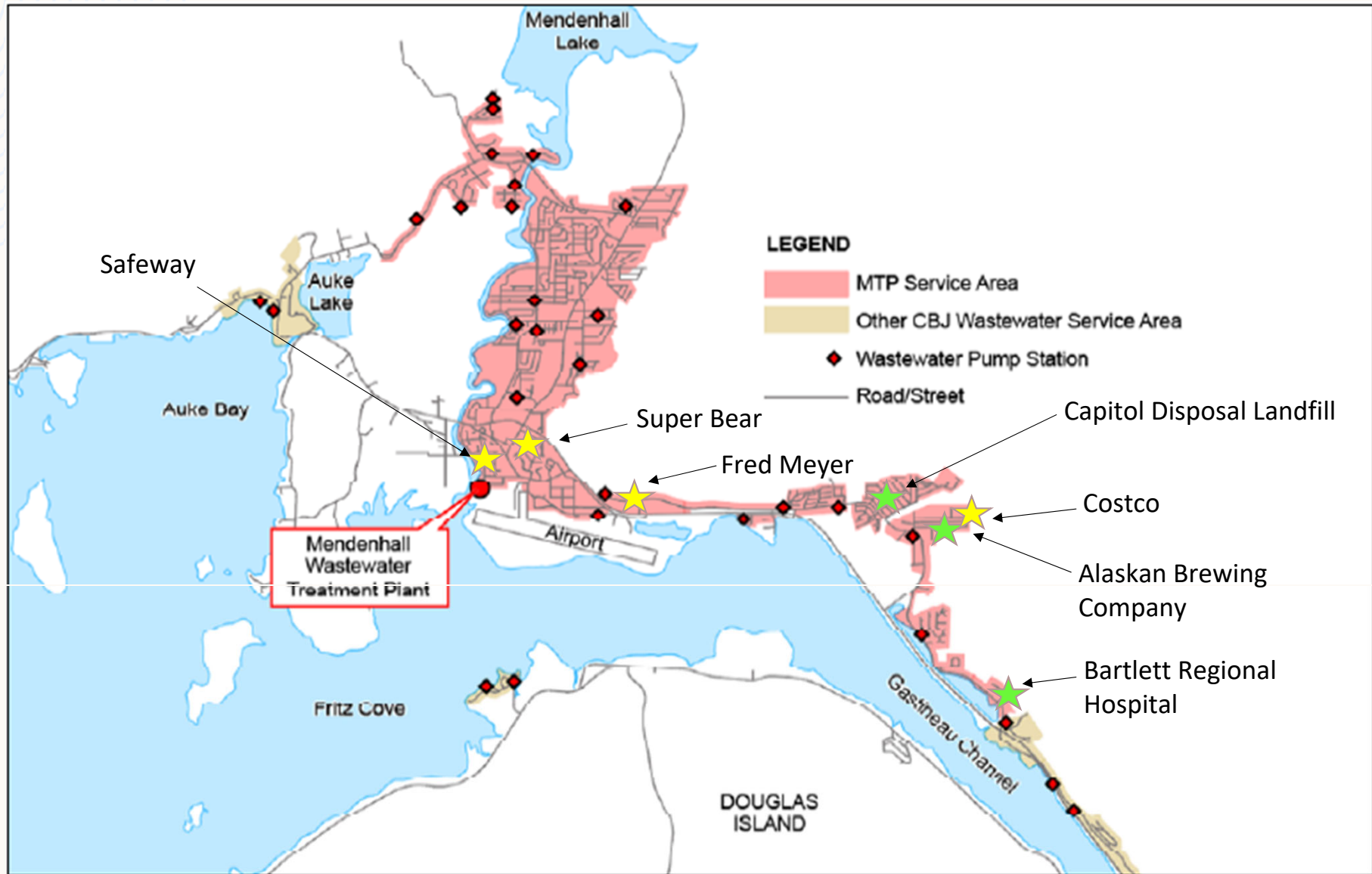




# WASTEWATER TREATMENT, SUSTAINABILITY, AND SOURCE CONTROL

- More discharge to the sewer results in more resources to pump, treat, ship, and dispose of the inputs, outputs, and bi-products of wastewater treatment.
- Source Control is designed to either remove discharges to a more appropriate and often reusable end-use (e.g. composting or biofuel production), or to treat it at the source. Both actions reduce the amount of waste the facility needs to treat.
- These reductions of waste result in a more sustainable municipal utility operation by also decreasing:
  - Energy used
  - Materials (chemicals)
  - Biosolids (shipping and disposal)
- Source control is a *sustainability* issue!





Safeway

Mendenhall  
Wastewater  
Treatment Plant

Mendenhall  
Lake

Auke  
Lake

Auke Day

Super Bear

Fred Meyer

Airport

Capitol Disposal Landfill

Costco

Alaskan Brewing  
Company

Bartlett Regional  
Hospital

Fritz Cove

DOUGLAS  
ISLAND

Gastineau Channel

**LEGEND**

- MTP Service Area
- Other CBJ Wastewater Service Area
- Wastewater Pump Station
- Road/Street

# F.O.G. REDUCTION & MANAGEMENT TIPS

**Can the Grease!** Pour used cooking oil and grease into an empty, heat-safe container. Once cooled and solidified, seal the can, and toss it into the garbage or take it to the Household Hazardous Waste drop-off at RecycleWorks located in the landfill

**Scrape Your Plate!** Scrape and wipe all pots, pans, dishes, and cooking utensils with a paper towel prior to washing to absorb the grease.

**Catch the Scraps!** Eliminate using the garbage disposal. Catch food scraps in your sink with a basket or strainer and toss them into the trash or compost bin



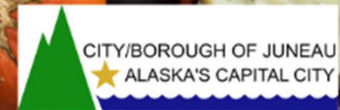
**HAPPY  
THANKSGIVING!**

**PLEASE REMEMBER:**

**F**ATS  
**O**IL  
**G**REASE

**NEVER GO DOWN  
THE DRAIN OR  
GARBAGE DISPOSAL!**

FOG damages and clogs your pipes  
and the sewer system, which means  
greater costs to YOU, and the city!







# THE GREAT PUMPKIN DROP-OFF

**ALL PUMPKINS WILL  
BE COMPOSTED BY  
JUNEAU COMPOSTS!**

**NO CANDLES,  
DECORATIONS, OR  
PAINTED PUMPKINS**



**FREE!**

**NOVEMBER 1 - 15**

**AT THE RECYCLING CENTER**

**TUES-FRI 7:00AM TO 4:30PM**

**SATURDAY 8:00AM TO 4:30PM**

**5600 TONGARD CT.**

**SPONSORED  
BY**



# THANK YOU

**Dianna Robinson**

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City & Borough of Juneau

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