



JUNEAU COMMISSION ON SUSTAINABILITY - SUSTAINABILITY SESSION (COMPOSTING) AGENDA

November 02, 2023 at 7:00 PM

Mendenhall Valley Library Large Meeting Room & Zoom
Webinar

Mendenhall Valley Library - Large Meeting Room

<https://juneau.zoom.us/j/88069534778> or Phone 1-253-215-8782 Meeting ID: 880 6953 4778

A. CALL TO ORDER

B. LAND ACKNOWLEDGEMENT

We would like to acknowledge that the City and Borough of Juneau is on Tlingit land, and wish to honor the indigenous people of this land. For more than ten thousand years, Alaska Native people have been and continue to be integral to the well-being of our community. We are grateful to be in this place, a part of this community, and to honor the culture, traditions, and resilience of the Tlingit people. Gunalchéesh!

C. ROLL CALL

D. APPROVAL OF AGENDA

E. APPROVAL OF MINUTES

None

F. PUBLIC PARTICIPATION

G. AGENDA TOPICS

1. Presentations on Composting Efforts from Lisa Daugherty with Juneau Composts!, Cer Scott with Tlingit & Haida, and Dianna Robinson from CBJ
2. Q&A Session

H. INFORMATION ITEMS

None

I. COMMITTEE MEMBER / LIAISON COMMENTS AND QUESTIONS

J. NEXT MEETING DATE

November 14, 2023 - JCOS Solid Waste Subcommittee Meeting

December 6, 2023 - JCOS Regular Meeting

K. ADJOURNMENT

ADA accommodations available upon request: Please contact the Clerk's office 36 hours prior to any meeting so arrangements can be made for closed captioning or sign language interpreter services depending on the meeting format. The Clerk's office telephone number is 586-5278, TDD 586-5351, e-mail: city.clerk@juneau.gov.

Juneau Composts!

Est 2017



- 1.7 Million # of food scraps collected and composted
- Three employees
- Completely user-fee funded
- Quarter Million\$ in equipment
- Year-round service and open to all residences, businesses, and institutions.

Collections

- Curbside service
- White-gloved bin swaps
- 24/7 drop off access



We serve: Fred Meyer, Alaskan Brewing, Uncruise, Rainbow Foods, Amalga Distillery, Auke Bay Elementary, Southeast Alaska Food Bank, & dozens of other organizations, and hundred of homes.

Processing



We Turn this into that!

- Manufacture 6 products
- Distribute bagged and bulk orders
- Sell directly to customers.
- Sell Wholesale
- Ship throughout SE



Community

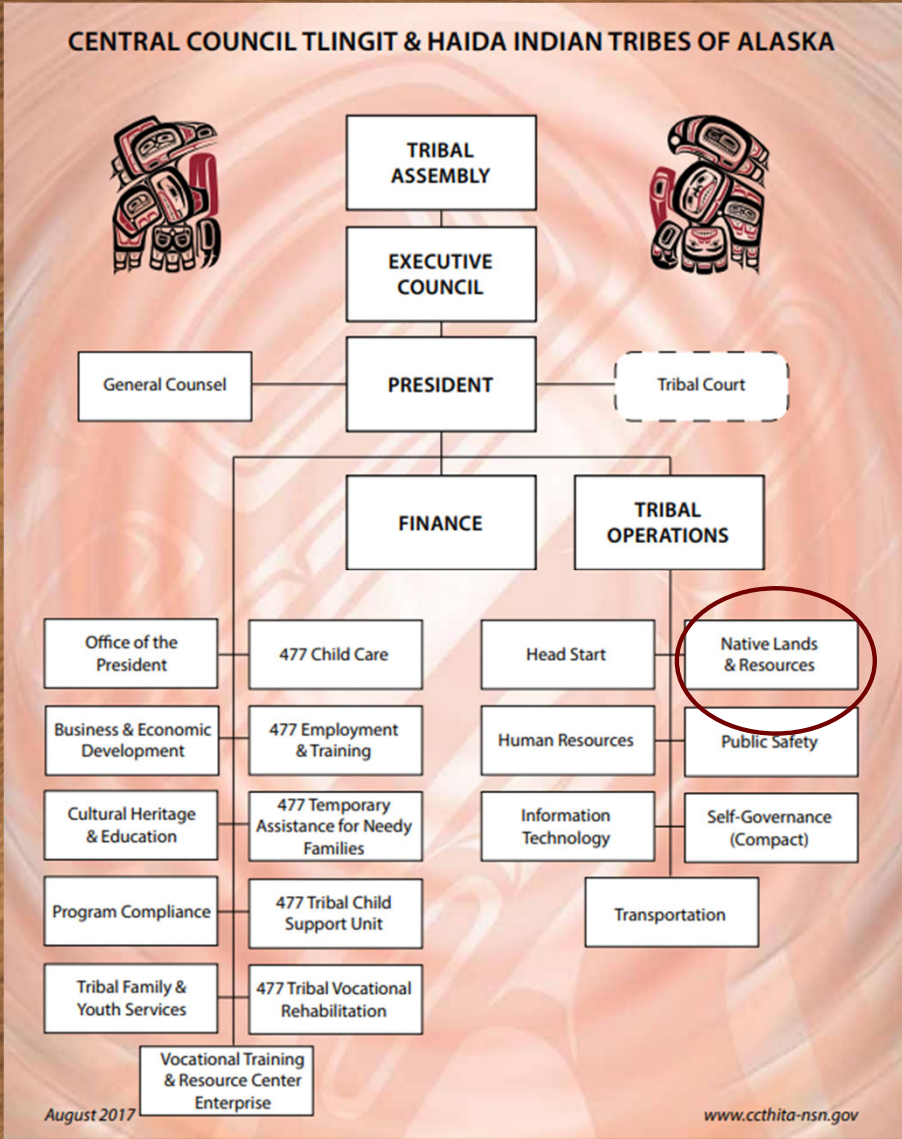
- Donate to local kids groups and non-profits
- Support community gardens
- Provide compost education and consultation services
- Inspire others to reduce waste and recover resources





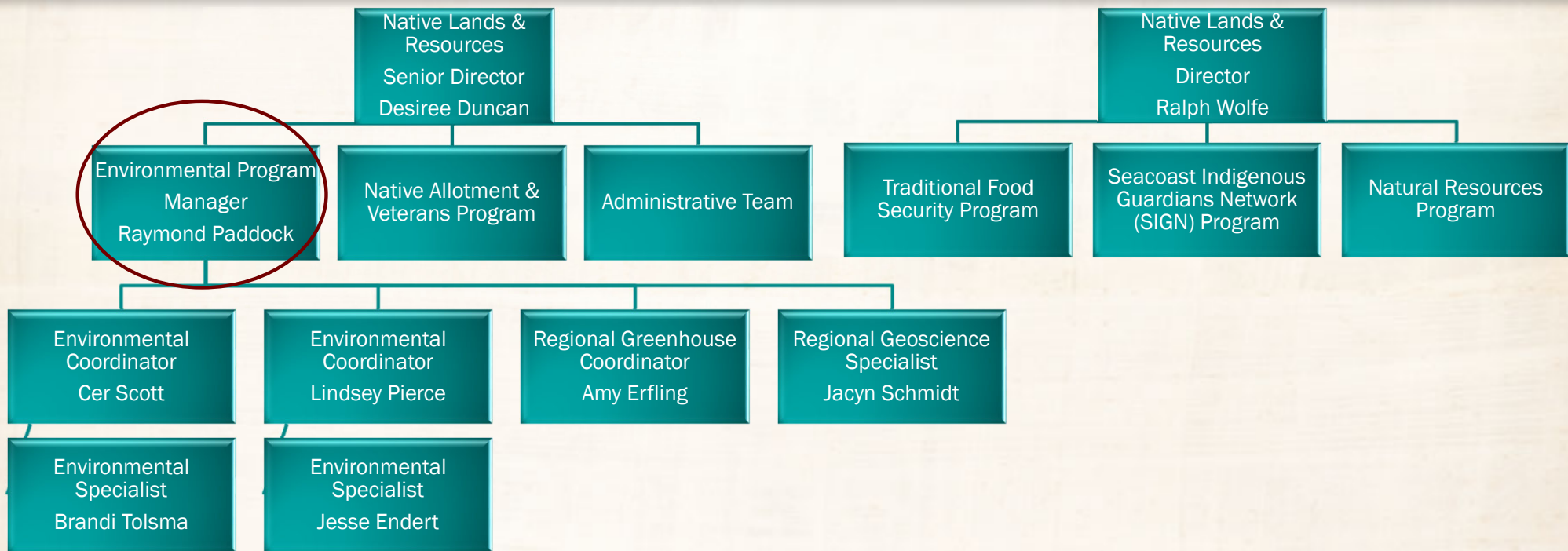
Central Council of Tlingit & Haida Indian Tribes of Alaska

SOLID WASTE PROGRAM



The Central Council of the Tlingit and Haida Indian Tribes of Alaska (Tlingit & Haida) is a tribal government representing over 36,000 Tlingit and Haida Indians worldwide. We are a sovereign entity and have a government-to-government relationship with the United States.

NATIVE LANDS AND RESOURCES ENVIRONMENTAL PROGRAM



U.S. DEPARTMENT OF AGRICULTURE (USDA) COMPOSTING AND FOOD WASTE REDUCTION (CFWR)

- Composting and Food Waste Reduction (CFWR) cooperative agreements assist local and municipal governments with projects that develop and test strategies for planning and implementing municipal compost plans and food waste reduction plans. Implementation activities will increase access to compost for agricultural producers, improve soil quality and encourages innovative, scalable waste management plans that reduce and divert food waste from landfills.
- Awarded in 2023, 2-year cooperative agreement
- Construction of Composting Building and In-Vessel Composting Unit

BIG HANNA IN-VESSEL COMPOSTER T240



TLINGIT & HAIDA COMPOSTING & RECYCLING PROGRAM

Collect organic materials from Tlingit & Haida Enterprises and Office spaces as part of Recycling Program



TAAY HÍT

“GARDEN HOUSE” IN LINGÍT



GUNALCHÉESH/HÁW'AA (THANK YOU)

Cer Scott, Environmental Coordinator: cscott@tlingitandhaida.gov

Amy Erling, Regional Greenhouse Coordinator: aerfling@tlingitandhaida.gov

Brandi Tolsma, Environmental Specialist: btolsma@tlingitandhaida.gov



COMMUNITY WASTE UPDATE

NOVEMBER 2, 2023

Dianna Robinson

**Environmental Project Specialist
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.

2

JUNEAU WASTE 101

Service*

Waste Hauling

Hauls waste and curbside recycling to landfill

Landfill

Accepts waste

Local government

Recycling Center / Junk Vehicle Household Hazardous Waste



Provider



Regulated By

Regulatory Commission Of Alaska (RCA)

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**

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

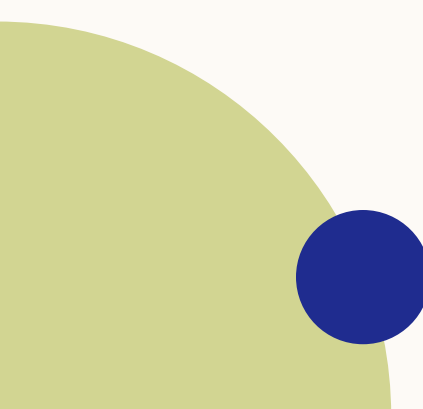


WASTEWATER TREATMENT

Mendenhall Wastewater Treatment Facility

Juneau-Douglas Wastewater Treatment Facility

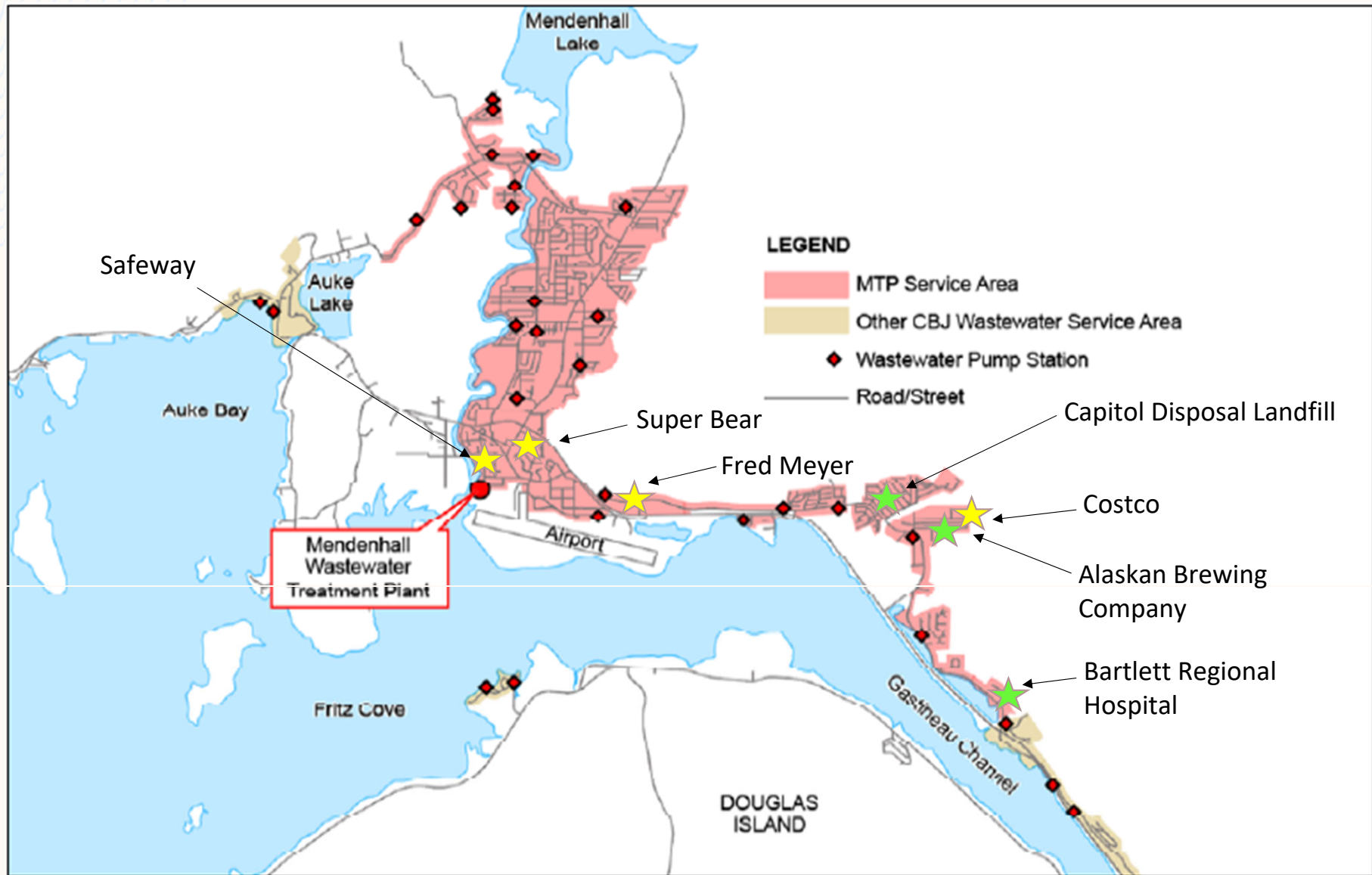
Auke Bay Wastewater Treatment Facility



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!**





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

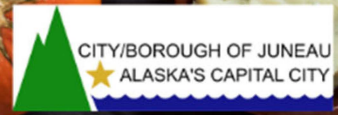
**HAPPY
THANKSGIVING!**

PLEASE REMEMBER:

FATS
OIL
GREASE

**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** **SPONSORED BY**
AT THE RECYCLING CENTER
TUES-FRI 7:00AM TO 4:30PM
SATURDAY 8:00AM TO 4:30PM
5600 TONGARD CT.



THANK YOU

Dianna Robinson

Environmental Project Specialist

City & Borough of Juneau

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www.juneau.org