



Juneau Commission on Sustainability

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DATE: August 07, 2024
TO: Nick Waldo, Chair, Juneau Commission on Sustainability
FROM: Dianna Robinson, Environmental Project Specialist, CBJ
SUBJECT: Waste Characterization Study & Solid Waste Study RFP Winner

Chair Waldo,

Below are updates on two waste related projects, the Waste Characterization Study and the Solid Waste Disposal Options Study.

Waste Characterization Study

Cascadia Consulting performed a waste characterization of Juneau's solid waste during the week of May 20-25th. Cascadia submitted the draft report in July, which staff reviewed and returned to Cascadia for minor corrections. Once we receive the next draft, we will put the report out for public comment on our website as well as through our Solid Waste Planning listserv.

The tables below show the projections of overall disposed waste by both recoverability (whether the material can be reused, recycled, composted, or otherwise diverted from the landfill) and by material class (paper, glass, etc.). Please note that cardboard is quantified under the Paper category in Table 2; it is separated out elsewhere in the report.

Characterization of Juneau's solid waste stream is critical to our solid waste planning and future diversion program development.

Table 1 - Overall Disposed Waste (by Recoverability)

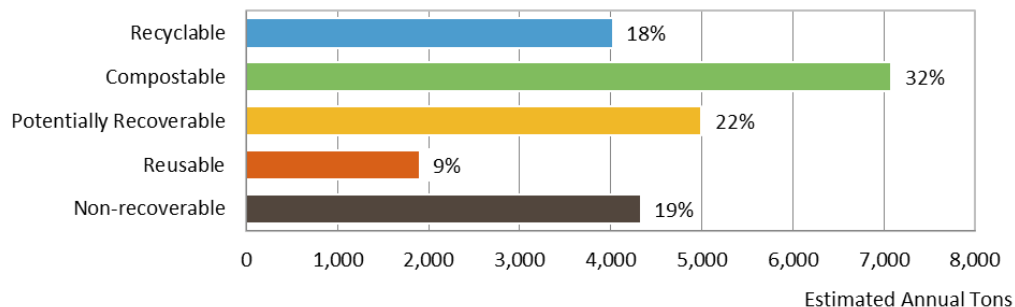
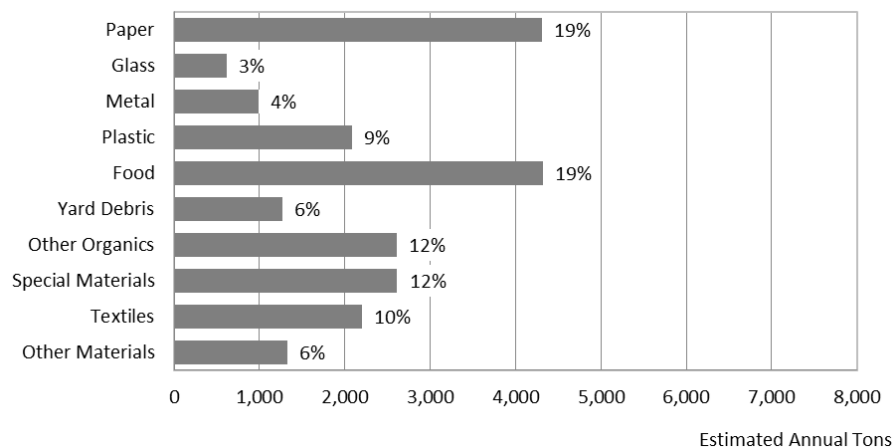


Table 2 - Overall Disposed Waste (by Material Class)



Solid Waste Disposal Options Study



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We are pleased to announce that the Jacobs Engineering Group is the winner of our RFP process for our Solid Waste Disposal Options Study. The project goal is for the selected consultant to provide a high-level evaluation of the economic feasibility, logistical feasibility, and level of “flow control” for the City and Borough of Juneau (CBJ) for the following long-term solid waste management scenarios:

- A. Construction of a new landfill with recyclables sent south for diversion;
- B. Construction of a transfer/processing station with waste and recyclables sent south by barge for recycling and disposal as applicable; this option should also explore CBJ’s acquisition of a Certificate of Public Convenience and Necessity for waste hauling;
- C. The construction of a waste-to-energy (WTE) facility for municipal solid waste (MSW) with the shipping of recyclables and non-combustibles/ash south for disposal.

The Jacobs team includes members who have worked on solid waste studies and projects in Alaska and Juneau, as well as across the country. Team members have worked on CBJ’s Technical Reconnaissance Study for New Landfill Site Selection¹, Anchorage’s new transfer station², and Kodiak’s biosolids composting facility.³

Staff are excited to work with Jacobs on this important study and anticipate a final report in early 2025.

¹ Technical Reconnaissance Study for New Landfill Site Selection (Brown, Vence and Associates; October 1993). https://juneau.org/wp-content/uploads/2018/07/Technical_Reconnaissance_Study_for_New_Landfill_Site_Selection-October_1993.pdf

² “With new Anchorage waste center, city hopes to help residents minimize trash,” by Michael Fanelli, Alaska Public Media. October 12, 2023 <https://alaskapublic.org/2023/10/12/with-new-anchorage-waste-center-city-hopes-to-help-residents-minimize-trash/>

³ Future Biosolids Composting Facility, City of Kodiak. <https://www.city.kodiak.ak.us/publicworks/page/future-biosolids-composting-facility-information>