



JUNEAU COMMISSION ON SUSTAINABILITY AGENDA

April 03, 2024 at 12:00 PM

Zoom Webinar

<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

- [1.](#) March 6, 2024 - JCOS Regular Meeting Minutes
- [2.](#) March 12, 2024 - JCOS Outreach Subcommittee Meeting Minutes

F. PUBLIC PARTICIPATION

G. AGENDA TOPICS

3. Sustainability Sessions - Nick Waldo, Chair; Marian Call, Vice Chair
4. Staff Update Calendar Discussion - Dianna Robinson
5. Subcommittee Assignments - Nick Waldo, Chair
6. CBJ Fleet Electrification - Steve Behnke

H. INFORMATION ITEMS

- [7.](#) Grant Update - Attachment from Ashley Heimbigner
- [8.](#) Docks & Harbors Infrastructure Event - Attached Flyer from Carl Uchtyl

I. COMMITTEE MEMBER / LIAISON COMMENTS AND QUESTIONS

J. NEXT MEETING DATE

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.

JCOS Outreach Subcommittee Meeting Agenda & Minutes - 3/6/24 from 12:00pm to 1:15pm

1. Call to order

Chair Nick Waldo called the meeting to order at 12:03pm

Present: Nick Waldo (chair), Marian Call, Jessie Barker, Gretchen Keiser, Duff Mitchell, Steve Behnke, Ella Adkinson (Assembly), Ashley Heimbigner (CBJ Staff)

2. Land acknowledgement

3. Approval of agenda

Agenda amended; one item added, one struck (as indicated below). Approved.

4. Approval of minutes

Approved

5. Public participation

[None]

5. Agenda topics

- **April 18th Sustainability Session Topic**
 - Nick proposes a discussion of cruise ships and sustainability in Juneau
 - Could include solid waste, dock electrification, emissions, scrubber discharge
 - Marian: who would guests be? Should the cruise ships have a representative present? Would this be a discussion or Q&A?
 - Nick: DEC could be present
 - Gretchen: Alex Pierce, city tourism, might be a key guest – perhaps invite to subcommittee meeting. Might be good to limit the discussion to cruise ships specifically
 - Jessie: how to make this event appeal to / invite in people who are not already concerned about impacts?
 - Duff: let's make sure we stay focused on sustainability impacts and don't move into tourism task force's territory
 - Nick: Huna Totem might be key to invite
 - Marian: framing this as an informational session about what is happening and what is whose responsibility would be a good way to limit the scope
 - In writing, Steve ____
 - A motion was proposed to make this the topic, along with encouragement to work in coordination with Alex Pierce. Motion passes without objection. This will be taken up at the subcommittee meeting next week.
- **Staff Update Calendar Discussion**
 - No substantial update; list of grants city is currently pursuing is in meeting packet
 - Duff: is the COW meeting on March 11 proceeding? Yes, answers Ashley Heimbigner, and Lori Sowa from AEL&P confirms in the chat that they have been asked to present there
- **Solid Waste Disposal Options Study**

- Dianna requests a memo / letter of support from JCOS for the Waste Disposal Options study, Nick will draft. Motion for this to move forward passes without objections
- **CIP Comments Discussion & Approval**
 - Nick notes that this was already submitted.
 - Gretchen mentions that Steve is working with Dianna on making sure our comments are in the next public works & facilities committee meeting
 - Ella responds that this will be taken up in either COW or finance committee because this is part of public comment
- ~~Plastic Bag Ban~~
 - Struck from agenda
- **Added to agenda in meeting: JCOS letter of support for CPRG - Carbon Pollution Reduction Grant from EPA**
 - Gretchen: this is a coastal/larger regional cooperative process through Southeast Conference in support of electrification and heat pumps, including multiple communities. The effort is seeking letters of *commitment* (not support) from many partners who will be participating in the project. Steve Behnke, a primary writer of the application, seeks that JCOS encourage the CBJ or the mayor to write a letter of commitment for this effort. Deadline for the grant application is April 1st.
 - Steve would draft a letter for JCOS to send to the city manager and the mayor.
 - Marian: will other municipalities be asked to write letters of commitment?
Gretchen: not sure, SE Conference may be seeking that.
 - Marian: what is the city being asked to commit to doing? What does participation mean? Gretchen: if successful, some of that grant money would come to Juneau through Southeast Conference making an award to Alaska Heatsmart.
 - Duff makes a motion, Gretchen amends it: grant Steve and Nick authority to work together to draft a memo from JCOS with an attached draft letter of commitment for CBJ (or the city manager or mayor) to send to Southeast Conference in support of this grant application.

5. Commissioner Comments / Informational Items

- Duff: Committee of the Whole is meeting on March 11th and dock electrification will be a topic. Who can attend? Nick states he intends to.
- Ashley Heimbigner: updates to list sent with meeting packet explained in detail (updates will be sent in writing)
 - The city may be reaching out to JCOS for a letter of support for their application due April 1 for a CPRG grant for a new electric boiler
 - Duff makes a motion that Nick be given authority to draft a letter of support if needed. Gretchen amends that the authority include Steve and Duff approves. Motion passes without objections.

6. Adjournment

Adjourned at 1:08pm

JCOS Outreach Subcommittee Meeting Agenda & Minutes - 3/12/24

1. Call to order

JCOS Chair Nick Waldo called the meeting to order at 12:02pm

Present: Nick Waldo (chair), Marian Call, Jessie Barker, Dianna Robinson, Alix Pierce (CBJ Tourism Manager), Ashley Heimbigner, Jim Powell

2. Land acknowledgement**3. Public participation**

(None)

4. Agenda topics

A) April Sustainability Session Planning

- Cruise Ships & Sustainability is the topic for April 18th, 2024 session
- Alix proposes that guests include AEL&P, CBJ, potentially DEC
- Jessie and Marian propose holding two sessions, one focused on energy, one on solid waste & air emissions/other impacts, since there's so much to cover
- Fred Parity from Huna Totem is nominated as a potential guest, Alex or Laurie from AEL&P
- Alix: the public prioritizes shore power surprisingly high, we already know that, so we don't need to survey on that, but there may be other questions we need to ask people. Possibly funding priorities, as in the public docks in question
- CBJ can be up front that this public outreach is part of the process for applying to receive this grant
- First Movers group, supporting the green corridor (cruise lines, clia, ports, ngo's) are having an online event on May 2nd, Alix can promote that
- Nick asks whether CLIA or cruise lines should be present - Alix posits that they might be more useful at a future session on waste & emissions
- Event: 6:30pm start time at the Valley Library (room access needed at 5pm), Marian and Dianna on tech, Dianna will ensure that one computer is set for presentation
- Dianna will check zoom recording to see whether a better recording is useful
- CBJ will draw up flier, FB event, and press release

B) Future sessions

- Jim Powell proposes being a part of planning for Sept cruise ship impacts event with a focus on capacity
- Differentiating between CBJ and state and federal regs will be a key part of that discussion
- Meeting date set for planning fall season of sustainability sessions

5. Adjournment - 1:05pm

Spring 2024 EPW Grant Application Update

Planned and pending (submitted) applications as of April 1, 2024. This list includes programs with active/recently closed NOFOs and does not include programs which were evaluated but not a competitive fit for CBJ at this time.

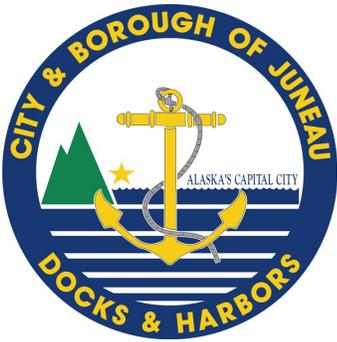
Grant Name	Source	Lead Department	Project Name/Scope	Amount	Status
Active Transportation Infra Investment Program (ATIIP)	FHWA	EPW	Lemon Creek Multimodal Path (Tentative)	TBD	<i>Reviewing (Due June 17)</i>
Renew America's Schools Prize	DOE SCEP	EPW/JSD	JSD-Wide HVAC Controls Upgrades	TBD	<i>In Progress (Due June 13)</i>
Clean Ports Program	EPA	D&H, EPW	Shore Power at Dock 16B	\$25-40M	<i>In Progress (Due May 28)</i>
Waste to Energy Technical Assistance	NREL	EPW	Technical Assistance	40hrs TA	<i>In Progress (Due April 15)</i>
Denali Commission Program Grants	Denali Commission	EPW	Mendenhall River Culvert Check Valves	TBD	<i>In Progress (Due April 12)</i>
Climate Pollution Reduction Grant – Implementation Grants	EPA	EPW	Electric Boiler – MWWTP	\$5.9M	Submitted
Assistance to Firefighters Grant	FEMA	CCFR	Portable Radios Acquisition - Statewide Coalition Application (15 Fire Depts)	\$2M	Submitted
Thriving Communities Technical Assistance Program	USDOT	CDD, EPW	Partnership with Tlingit & Haida, THRHA – Kowee Creek Area Dev	2-3 years technical asst.	<i>CBJ is a Finalist</i>
Reconnecting Communities and Neighborhoods – FY23	USDOT	EPW	Lemon Creek Multimodal Path	\$622,400	<i>Awarded*</i>
2023 Transportation Alt. Prog. (TAP)	AKDOT&PF	P&R	Montana Creek Bridge Replacement	\$1.2M	<i>Awarded</i>
2023 Community Transportation Prog. (CTP)	AKDOT&PF	EPW	Vintage Park Road Safety Improvements	\$6.39 million	<i>Awarded</i>
Safe Streets for All - FY23	USDOT	EPW	Supplemental Planning for FY22 Action Plan	\$86,000	<i>Awarded</i>

Commented [AH1]: Technical assistance for collaborative area development; including project engineering navigating land use; prepare for funding opportunities; build lasting relationships.

EECBG - Energy Efficiency & Conservation Block Grant	DOE	EPW	EV Truck for Utilities Fleet	\$76,000	<i>Awarded</i>
2023 Transportation Alt. Prog. (TAP)	AKDOT&PF	EPW	Lemon Creek Multimodal Path	\$4.56 million	<i>Not Awarded</i>
Rural and Tribal Assistance	USDOT, BAB	EPW	JDNC Technical Assistance (Construction Financing)	\$70,000	<i>Not Awarded</i>
Charging & Fueling Infrastructure Grant	USDOT	EPW	Public EV Charging Infrastructure	\$5 million	<i>Not Awarded</i>
CFWR (Composting and Food Waste Reduction) Pilot Project	USDA	EPW	Food Waste Diversion (Compost) Infrastructure	\$400,000	<i>Not Awarded</i>
SWIFR (Solid Waste Infrastructure for Recycling)	EPA	EPW	Compost Facility	\$6.5 million	<i>Not Awarded</i>
REO (Consumer Recycling Education and Outreach)	EPA	EPW	Source Control & Food Waste Reduction	\$500,000	<i>Not Awarded</i>

Other Funding Programs:

- **ADEC State Revolving Fund**
 - Working with utility to submit forgivable loan applications for several projects this year
 - First up is Lead Service Line Inventory (see [proposed resolution here](#))
 - Next is a Pyrolysis project
- **IRA Direct Pay/Elective Pay Clean Energy Rebate Program**
 - Researching rebate opportunities for Electric Vehicles, EV charging infrastructure and relevant clean/renewable energy projects (geothermal)
 - Program availability through 2032



Port of Juneau

155 S. Seward Street • Juneau, AK 99801
(907) 586-0292 Phone • (907) 586-0295 Fax

From: *Carl Uchytel*
Port Director

To: City & Borough Assembly

Via: (1) Docks & Harbors Board
(2) City Manager

Date: August 31st, 2023

Re: CBJ DOCK ELECTRIFICATION - UPDATE

1. At the August 8th, 2022 Committee of the Whole meeting, a [memo](#) was provided to the Assembly outlining a process to bring shore power to the two CBJ owned docks through the results of the [2022 Juneau Cruise Ship Dock Electrification Report](#). The memo noted numerous positive events which are advancing the opportunities to bring clean hydroelectric shore power to visiting cruise ships. Some of these actions include the strong support from the cruise industry to pursue the AK/BC/WA Maritime Green Corridor; significant consultation with the local electrical utility company (AELP) along with other Juneau partners, stakeholders and community members; continued pursuit for federal grants; and, Assembly prioritization of local passenger fees for funding dock electrification.
2. The August 2022 plan enabled the ordering of a LTC (Load Tap Changer) transformer for the South Franklin Dock (SFD) substation, which is a precursor requirement in providing shore power at additional docks in Juneau. Refreshing this 22-year old equipment with current technology will significantly improve the flexibility of the SFD substation to meet the voltage levels required by the cruise ships and ultimately allow cruise ships which are currently connecting to be on shore power for a longer period of time. The \$2.26M procurement package for the LTC transformer is underway and AELP is reviewing the manufacturer’s shop drawings. It is anticipated that the LTC transformer will be installed in the fall of 2024.
3. Docks & Harbors has been meeting with AELP nearly weekly since January to plan and evaluate options to bring shore power to the CBJ owned docks. These joint efforts have included exhaustive interviews with US port executives, manufacturers of electrical equipment, manufacturers of cable management systems and consultants with proprietary systems providing “power conditioning” to cruise ship port clients. With the potential electrification for three or four different dock owners within the Port of Juneau, it is abundantly clear that the preferred solution must be in concert with AELP’s expertise and guidance. After speaking with global

consultants and equipment suppliers, it is not an overstatement that Juneau will be the most technologically challenging port worldwide to electrify. This is essentially due to stepping down 69kV transmission voltage to 11kV/6.6kV distribution voltage along a steep mountainside; then to submarine cables/small float with a 25-foot tidal range to a cable management system; and finally connecting to the ship's onboard system. I know of no other port in the world that has less useable uplands than Juneau for electrical infrastructure laydown.

4. The 2022 Dock Electrification report estimated the cost to electrify both the Alaska Steamship (AS) and Cruiseship Terminal (CT) Docks to be \$25M. However, this estimate is based on cost data, pre-pandemic. Extrapolating from our recent Aurora Harbor electrical bid tabs and from open-source news from other US ports adding shore power, anticipating a \$20M project per dock is not unreasonable. The financing plan which was presented to the August 2022 COW suggested that funding for the AS/CT Docks would be through dedicated revenues bonds with the cruise ship docks as fiscal collateral. It is now understood that new revenue bonds cannot encumber existing facilities with bonds. However, it may be possible to leverage revenue bonds which utilize future passenger fees as the funding source to service the bond debt. Additionally, CBJ Law has opined that “no general obligation indebtedness of the municipality may be incurred” unless authorized by voters. Another funding option available to CBJ could be through a loan offered by the USDA Rural Energy Savings Program (RESP) program and administered thorough JEDC. In summary, this means other means of financing must be considered including passenger fees, loans and federal grants.
5. In 2022, Docks & Harbors unsuccessfully applied for two US DOT federal grants:
 - \$25M FY22 RAISE (Rebuilding American Infrastructure with Sustainability & Equity); and,
 - \$25M FY22 PIDP (Port Infrastructure Development Program)

It is our intentions to apply for FY23 EPA DERA (Diesel Emissions Reduction Act) grant, due December 1st, which can provide a maximum of \$1.5M per application. As well as applying for an upcoming IRA (Inflation Reduction Act) EPA Clean Ports Program grant. Although the Clean Port Program - Notice of Funding Opportunity (NOFO) is not expected until the first quarter of calendar year 2024, it is anticipated that up to \$3B will be made available for ports.

6. With the FY24 commitment of \$5M from passenger fees, the Dock Electrification CIP has \$5.38M. It is Docks & Harbors intentions to continue to leverage these funds toward grant opportunities and build a balance which is sufficient to contract for electrifying the AS Dock. Working with AELP, we will develop a strategy to procure engineering services, electrical equipment and construction contracts necessary to advance the community goal of reducing cruise ship emissions in Juneau Harbor.

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Copy: AELP
JCOS
JEDC