

# Backhaul Alaska

*Building a Self-Sustaining Waste Removal  
Program for Rural Alaska*



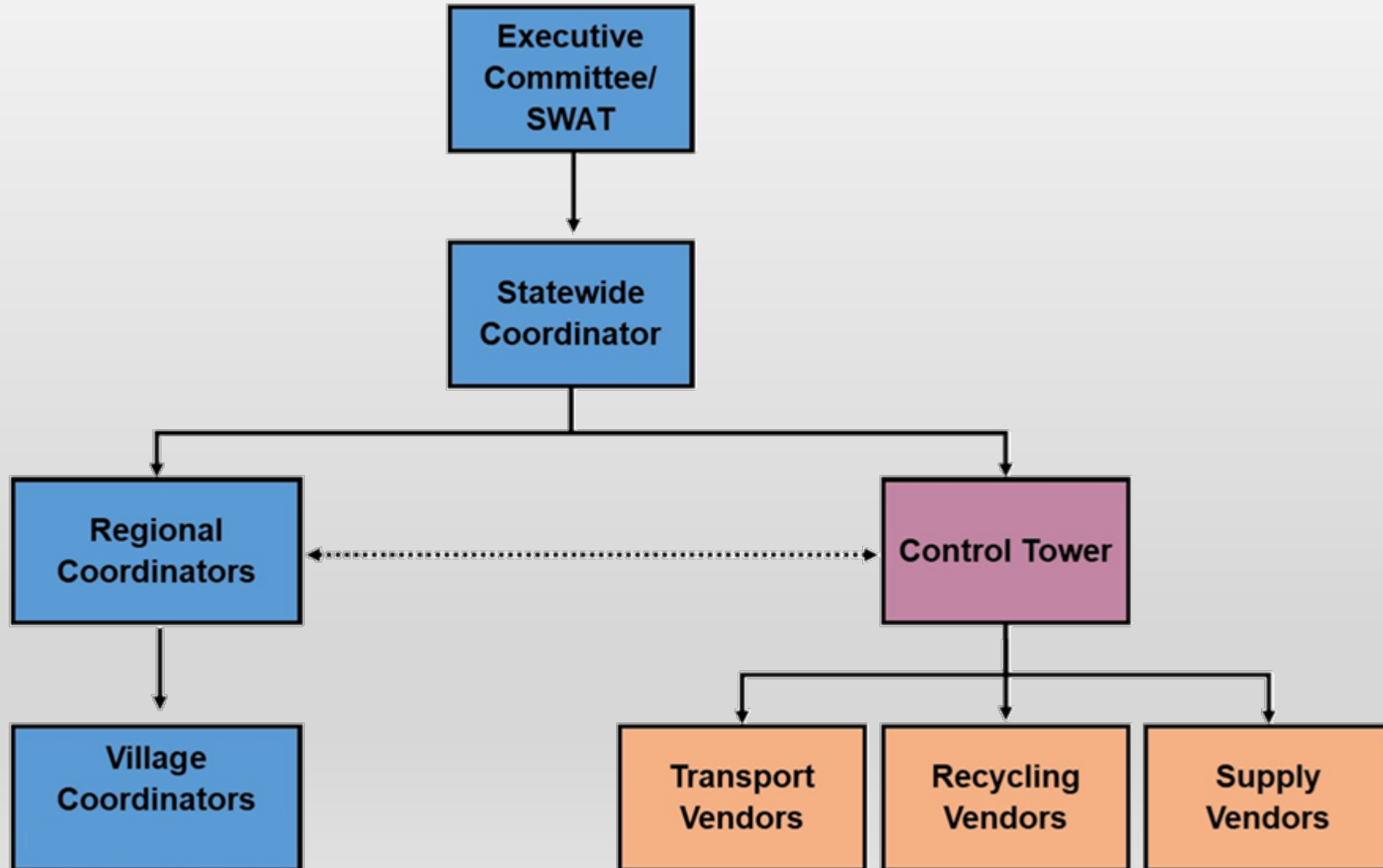
# Backhaul Alaska Program

Backhaul Alaska will coordinate waste backhaul efforts statewide and save costs through more efficient routing, training, communications, and price brokering.

The **ultimate goal** of Backhaul Alaska is to **operate as a full management service** for any entity generating waste in rural Alaska and provide jobs.



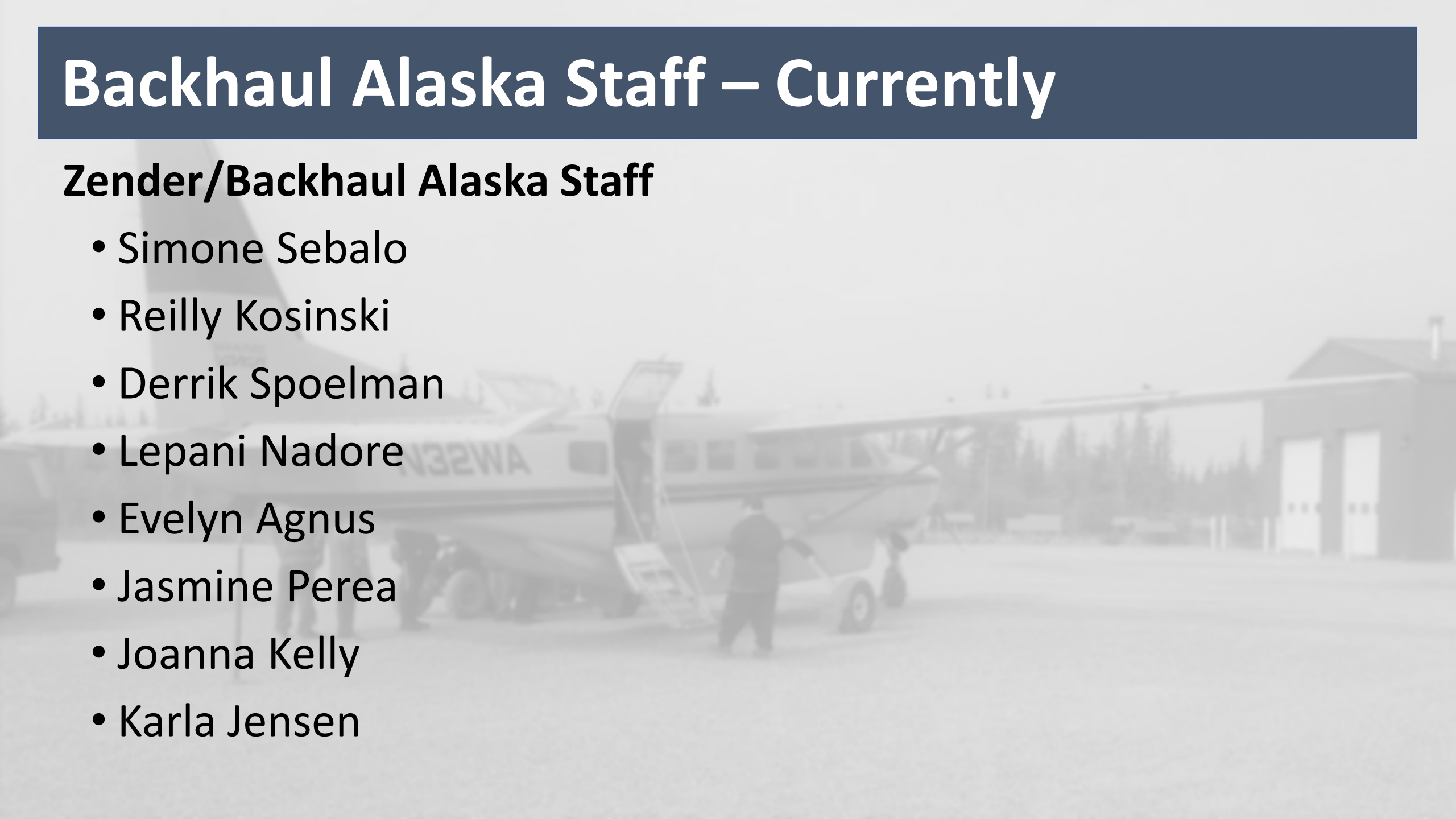
# Backhaul Alaska Program Structure



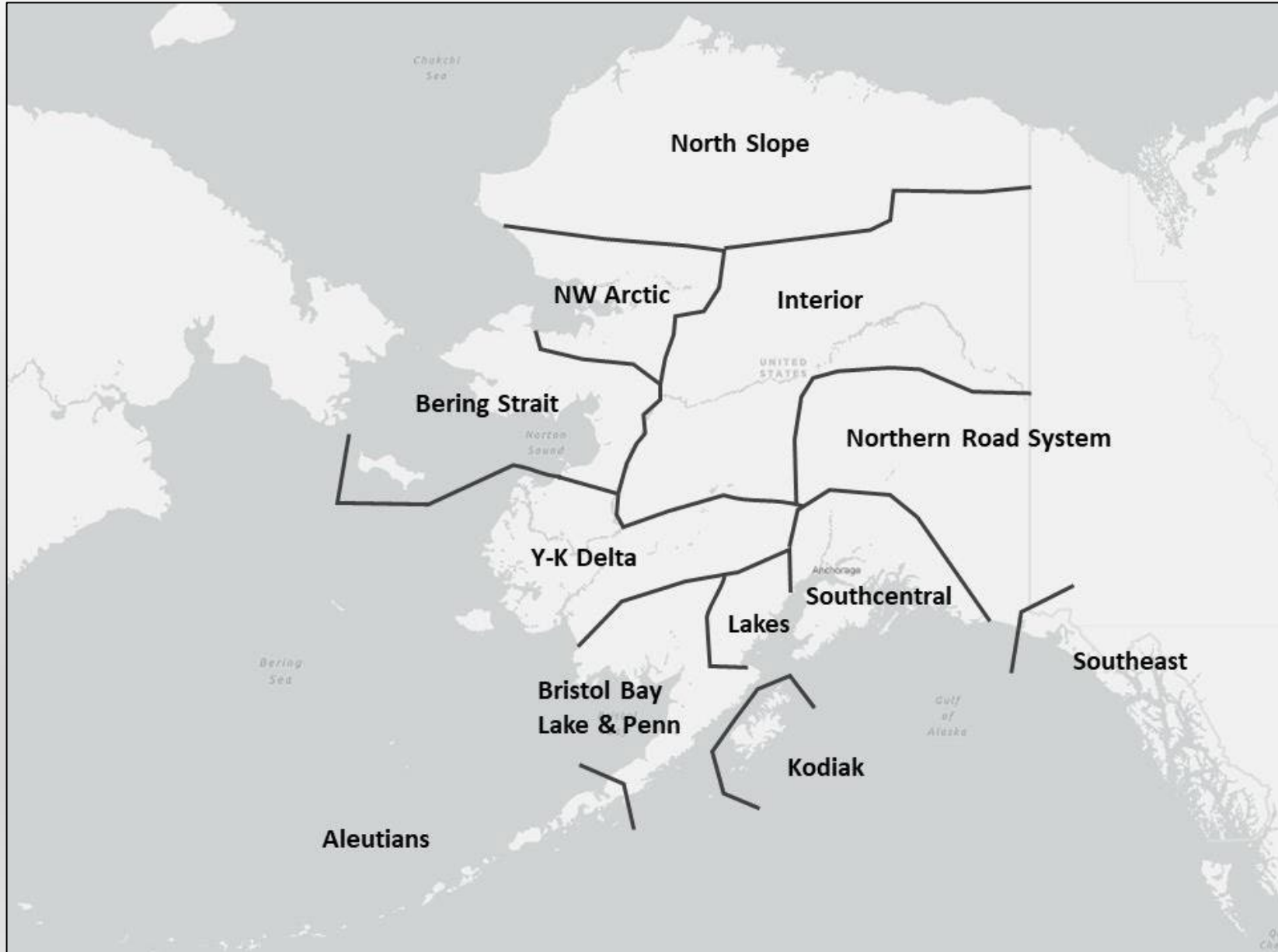
# Backhaul Alaska Staff – Currently

## Zender/Backhaul Alaska Staff

- Simone Seballo
- Reilly Kosinski
- Derrik Spoelman
- Lepani Nadore
- Evelyn Agnus
- Jasmine Perea
- Joanna Kelly
- Karla Jensen



# Backhaul Alaska – Regional Approach



# Regional Coordinators – Currently

## **BAP Regional Coordinators**

- Aleutians – *Qawalangin Tribe of Unalaska*
- Bering Strait/Nome – *Kawerak, Inc.*
- Bristol Bay/Lake & Penn – *Bristol Bay Area Health Corp (BBAHC)*
- Kodiak – *Kodiak Area Native Association (KANA)*
- Interior – *Green Star of Interior Alaska (GSIA)*

## **Ancillary Regional Partners**

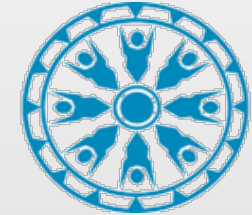
- Copper River Valley – *Copper River Native Association (CRNA)*
- Matsu Borough – *Valley Community Recycling Solutions (VCRS)*
- Dillingham – *Curyung Tribe*

# Backhaul Alaska Partners & Supporters

## Federal Agency Supporters



## Statewide Supporters



ALASKA NATIVE  
TRIBAL HEALTH  
CONSORTIUM

## Commercial Partners



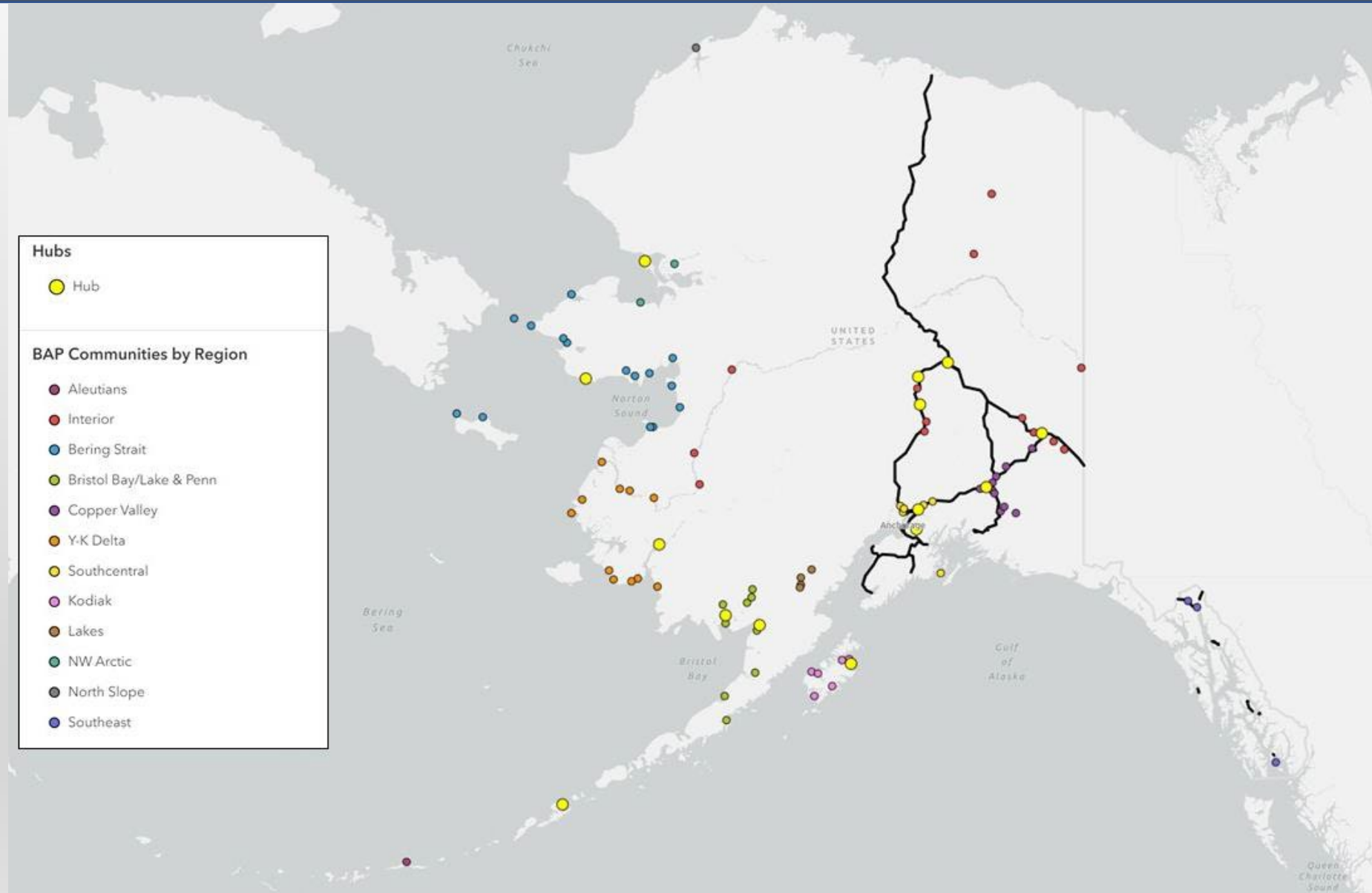
## Regional Partners



Bristol Bay Area  
Health Corporation



# BAP Map – Service Area





# Target Materials

## The Backhaul AK Program Targets...

- Escrap
- Lead Acid Batteries
- UW Lamps
- Fishnets
- Marine Debris (*new for 2024*)
- Li/Li-Ion Batteries (*new for 2024*)

## Have also managed

- Appliances
- Refrigerant Gases
- Tires
- Paint
- Household Batteries
- General Recyclables

# Backhaul Alaska – 2023 Summary

## Anticipated Poundage for 2023

- Escrap: 173,624
- UW Lamps: 7,050
- Lead Acid Batteries: 124,003
- Derelict Fishing Gear: 4,900
- Household Batteries: 1,075
- Scrap/Refrigerators/Freezers: 121,138
- Cardboard, Glass, Al Cans: 3,971
- HHW: 11,670

**2023 Anticipated Total: 447,431 lbs**



# Backhaul Poundage – thru 2023

## Total Weights Backhaul via the BAP thru 2023

BAP Phase	Escrap	Lead Acids	UW Lamps	Other	TOTAL	Communities
<b>Pilot 1 – 2019</b>	26,933	44,034	951	---	71,918	10
<b>Pilot 2 – 2021</b>	71,007	133,852	3,355	---	208,214	16
<b>BAP Year 1 – 2022</b>	167,631	145,154	5,267	144,726	462,778	57
<b>BAP Year 2 – 2023</b>	173,624	124,003	7,050	142,754	447,431	68
<b>TOTAL</b>	<b>439,195</b>	<b>447,043</b>	<b>16,623</b>	<b>287,480</b>	<b>1,190,341</b>	<b>97</b>

## Bering Strait Region

Communities served:

- Nome
- Brevig Mission
- Wales
- Diomedede
- Shishmaref
- Teller
- Gambell
- Savoonga
- Elim
- Golovin
- White Mountain
- Koyuk
- Unalakleet
- Stebbins
- St. Michael
- Shaktoolik

## Healy Collection Area

Communities served:

- Healy
- Anderson/Clear
- Denali Park
- Cantwell

## Tok Collection Area

Communities served:

- Tok
- Eagle
- Northway
- Tetlin
- Tanacross
- Dot Lake

## Copper Valley Collection Area

Communities served:

- Glennallen
- Mentasta
- Kenny Lake
- Copper Center
- Chitina
- Tonsina
- Tolsona
- Tazlina
- Gakona
- Gulkana
- Chistochina

## Bristol Bay Collection Area

Communities served:

- Dillingham
- Aleknagik
- New Stuyahok
- Koliganek
- Ekwok
- Manokotak
- Clarks Point
- Togiak
- Twin Hills
- Naknek
- King Salmon
- South Naknek

## Nelson Lagoon

Pt. Heiden

## Kodiak Island Region

Communities served:

- Kodiak
- Port Lions
- Akhiok
- Karluk
- Larsen Bay
- Ouzinkie
- Old Harbor

## Lakes Collection Area

- Iliamna
- Newhalen
- Nondalton
- Cantwell

## Matsu Collection Area

- Palmer
- Big Lake
- Chickaloon
- Talkeetna
- Sutton
- Willow

## Klukwan

Haines

Tenakee Springs

Pelican

# Backhaul Alaska – 2024

# 2024 Planning

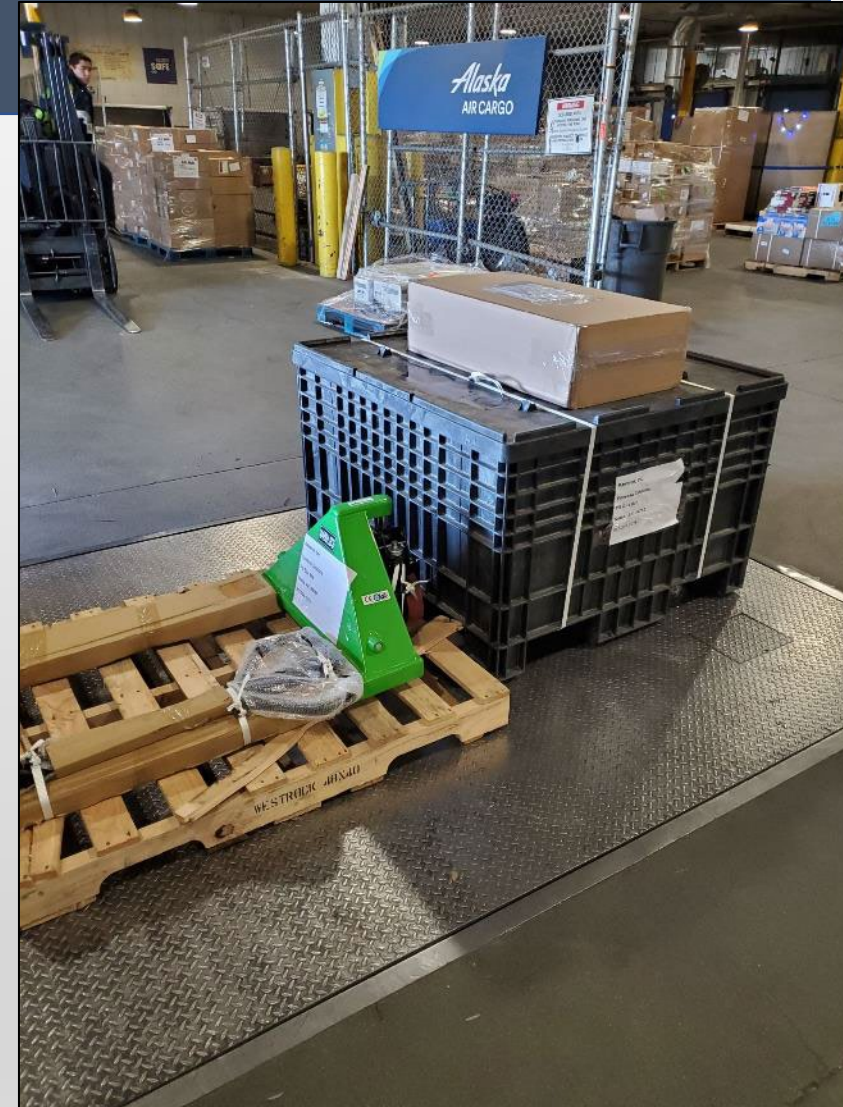
## 2024 Backhaul Season

- Supplies
- Training
- Inventory
- Site Visit
- Shipping & Logistics



# Supplies

- Standard BAP Supplies
- Bulk Hub Supply Shipments
- Training Materials
- Pallet Jack
- Core Kits
- Drums



# Supplies

Item	Notes	QTY
<b>PPE</b>		
Safety Glasses	Clear	10
Work Gloves	Medium	3
Work Gloves	Large	3
Chem Gloves	Medium	3
Chem Gloves	Large	3
Chem Apron		3
1st Aid Kit	Contracter Style	1
Splash Goggles		3
Nytrile Gloves - L	Box of 100	1
Nytrile Gloves - M	Box of 100	1
<b>Labels</b>		
#8 Labels	Roll of 500	1
UW Labels	Pack of 200	1
#8 Placards	Pack of 25	1

Item	Notes	QTY
<b>Packaging Material</b>		
Vermiculite	3.5 cu-yd	1
Stretch Wrap	Box-4 rolls	1
Packaging Tape	Roll	3
Tape Gun		1
Banding	Banding Kit	1
Tensioner	Banding Kit	1
Clips	Banding Kit	1

- Pallet Jack
- Battery Bags
- Lamp Boxes
- Additional Labels
- Other (case-by-case)

# BAP Training – 2024

## 2024 Backhaul and HazMat Regulation Trainings

Date	Training
May	Anchorage – Backhaul & HMR
June	Glennallen – Backhaul & HMR
August	Bethel – Backhaul & HMR
August	Kodiak – Backhaul & HMR
Fall/Winter	Virtual – Backhaul & HMR







# Collective Inventory Management



Survey123  
for ArcGIS

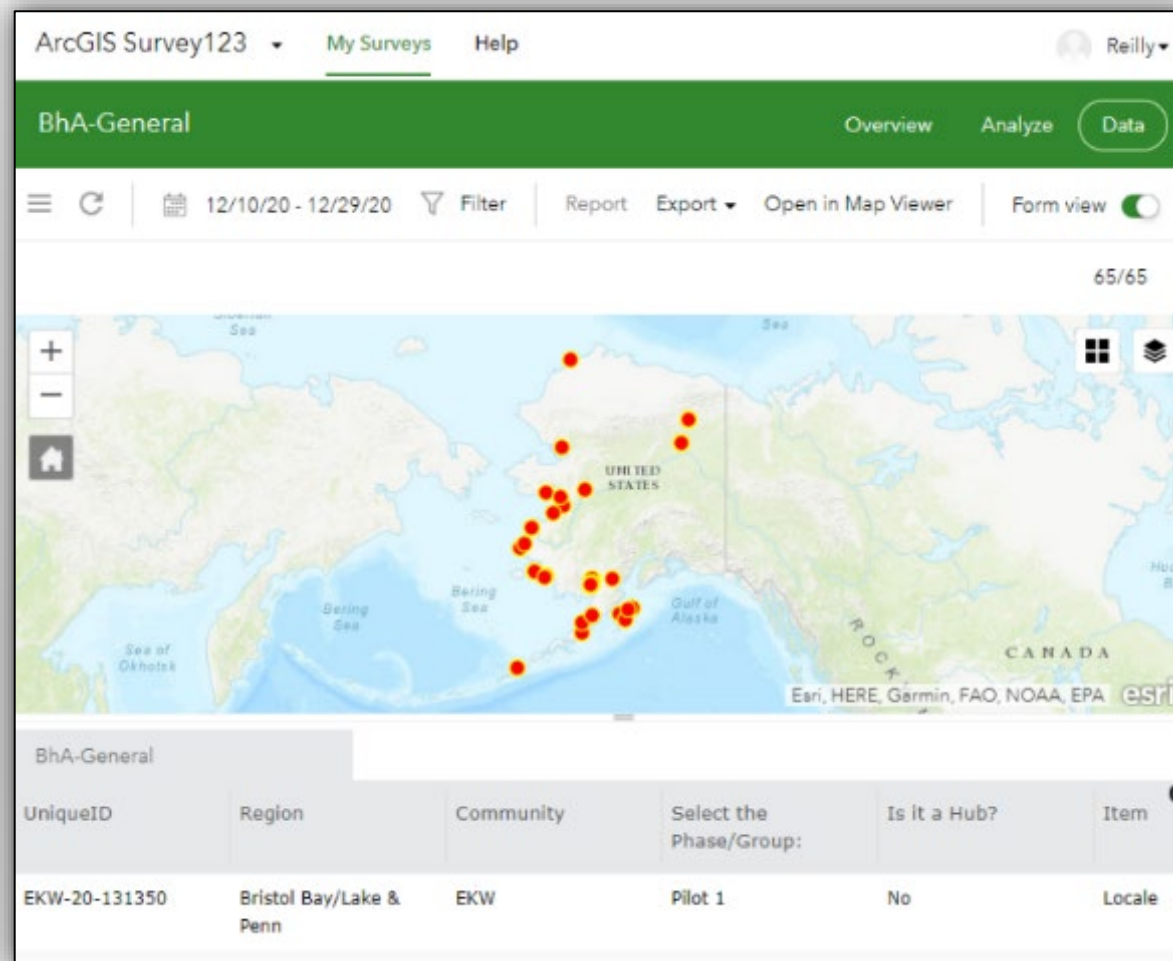
# Survey123 – How it works

There are 2 main components...

1) **The App** – for completing surveys & submitting records (phone, tablet, computer)



2) **The Dashboard** – for viewing and analyzing all submitted records collectively (computer only)



# Site Visits

Will coordinate during a follow-up call...

- Assist in collection, planning, & packaging
- Provide additional training, if needed
- Other tasks as identified



# Shipping & Logistics

Can assist with...

- Quotes
- Bookings
- Vendor Communications
- Shipping Paperwork Preparation
- Logistics Management/Tracking
- Reporting
- Funding



# Technical Assistance

Ongoing Technical Assistance on Solid Waste Backhaul & Recycling matters



# Funding

Backhaul Alaska has funding for...

- Training (for USDOT funded trainings)
  - at least 1 person per community
  - Travel, Lodging, Per diem
- Supplies
  - Base Supplies for new Communities
  - Replenish supplies for repeat shippers
  - “a la carte” items (ex: pallet jack)



# Funding

Backhaul Alaska has funding for...

- “Infrastructure” Funding
  - For items to support backhaul activities
  - Connexes, construction material, etc.
- Shipping & Recycling
  - In General – cover the shipping & recycling equivalent to a 20ft container of material.
  - Target Escrap, Lead Acid Batteries, UW lamps (i.e. fluorescent lamps), & fish nets
  - Can expand to other materials on a case-by-case basis.



# Areas of Focus

## Areas of focus in 2024 include...

- Bristol Bay Borough Enrollment
- NIC SWIFR Support
- Continued Hub Development
- Marine Debris Inclusion
- Pt. Heiden & Nelson Lagoon Shipments
- GSIA – Yukon River System Logistics
- AK Air Program Expansion
- Batteries – especially Li/Li-Ions
- Staff Training/Ramp-up
- HW/HHW Tech Assistance



# Challenges...

## Challenging Materials

- Used Oil, Glycol, Fuel
- Abandoned Drums
- PCB Ballasts
- Crushed Lamps
- Paint/Paint Related Materials
- HHW Accumulations



# Challenges...

## Management Challenges & Barriers

- Staff Turnover
- Dumpoffs/Inheritance/Legacy Materials
- Sampling/Onsite Management
- Awareness, Training, Knowledge
- Transportation (no LCL)
- Seasonality (Shipping frequency)
- Supplies (Sound & UN Packaging)
- Storage Capacity Limitations
- Expense



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