



# Alaska Native Tribal Health Consortium

## Energy Infrastructure Deployment on Tribal Lands Grant

### US Department of Energy, Office of Indian Energy

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Senior Project Manager

**ANTHC Rural Energy Group**



**ALASKA NATIVE  
TRIBAL HEALTH  
CONSORTIUM**

## Alaska Native Tribal Health Consortium

### Vision:

*Alaska Natives are the  
Healthiest People in the  
World*

- Formed in 1998, non-profit, 3000+ employees, serving 180,000+ Alaska Natives and American Indian people
- Largest Tribal health organization in US
- Medical services, wellness programs, disease research, rural provider training, rural water & sanitation systems



# Alaska Native Health System

## Facts

229 Federally Recognized Tribes (Villages)

## SCF:

Primary care services in Anchorage, Matanuska-Susitna Valley and the Anchorage Service Unit

## ANHB:

Statewide health advocate voice

## ANTHC:

Statewide specialty and tertiary health care



## Regional Native Corporations

- Arctic Slope Regional Corp.
- NANA Regional Corp.
- Bering Straits Native Corp.
- Doyon Ltd.
- Calista Corp.
- CIRI
- Sealaska Corp.
- Ahtna Inc.
- The Aleut Corp.
- Bristol Bay Native Corp.
- Koniag Inc.
- Chugach Alaska Corp.

## Key

★ SCF Services Hub

★ Regional Health Hub

Southcentral Foundation/  
Anchorage Service Unit

1. Also serves Native Village of Eklutna, Ninilchik Village Traditional Council, Seldovia Village Tribe, Chickaloon Village Traditional Council, Knik Tribal Council, and Native Village of Tyonek.

2. ANMC jointly owned and managed by SCF and ANTHC.



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## Dept of Environmental Health & Engineering (DEHE)

- DEHE is the “Prevention arm” of ANTHC
- Study linkages between absence of clean water & increased disease
- 3 Core operating areas



Sanitation



Health Facilities Support



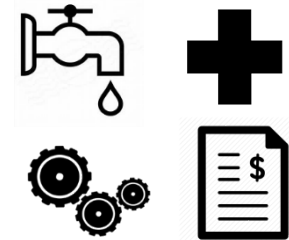
Utility Management

- Operations & Maintenance and Training (Tribal Utility Support)
- Alaska Rural Utility Collaborative (ARUC)



## Mission: Reduce the cost of energy in rural communities

- 40 projects, \$20,000,000 in grants
- 7 staff: engineers & project managers
- Anchorage based
- Work with communities to write and manage grants, design and implement projects
- Energy efficiency and renewable energy projects:
  - energy audits and upgrades
  - heat recovery from power plants
  - remote monitoring
  - solar PV, wind and biomass heating
- “Topping off” (optimizing & expanding) existing renewable systems
  - Wind to heat
  - Expanding heat recovery & biomass



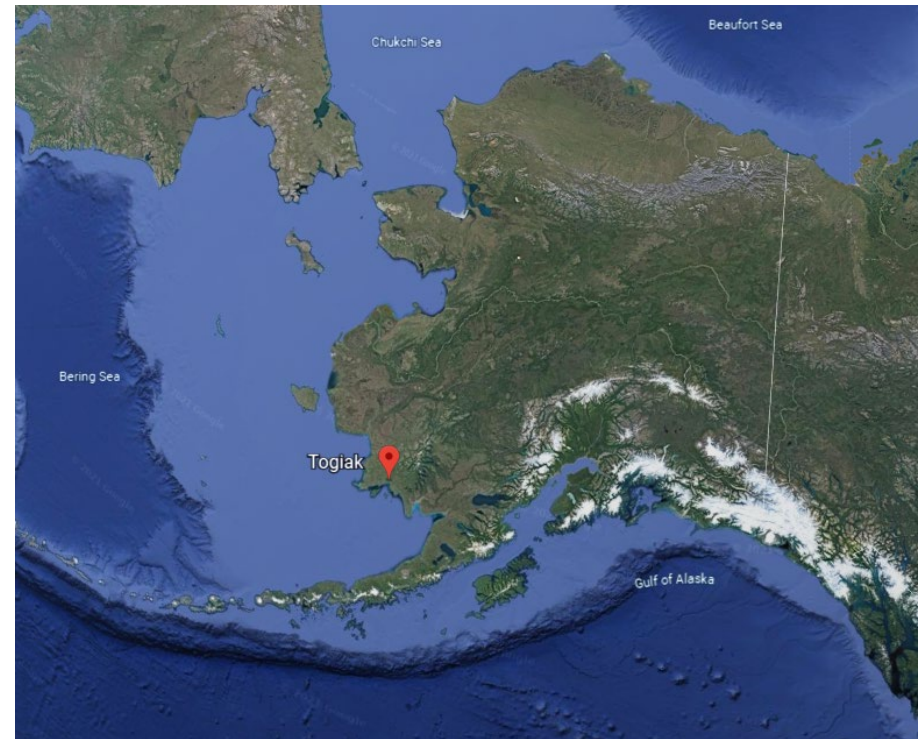
*39% of operating cost of water/sanitation systems is the cost of energy*



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## Grantee: Togiak Natives Limited (TNL)

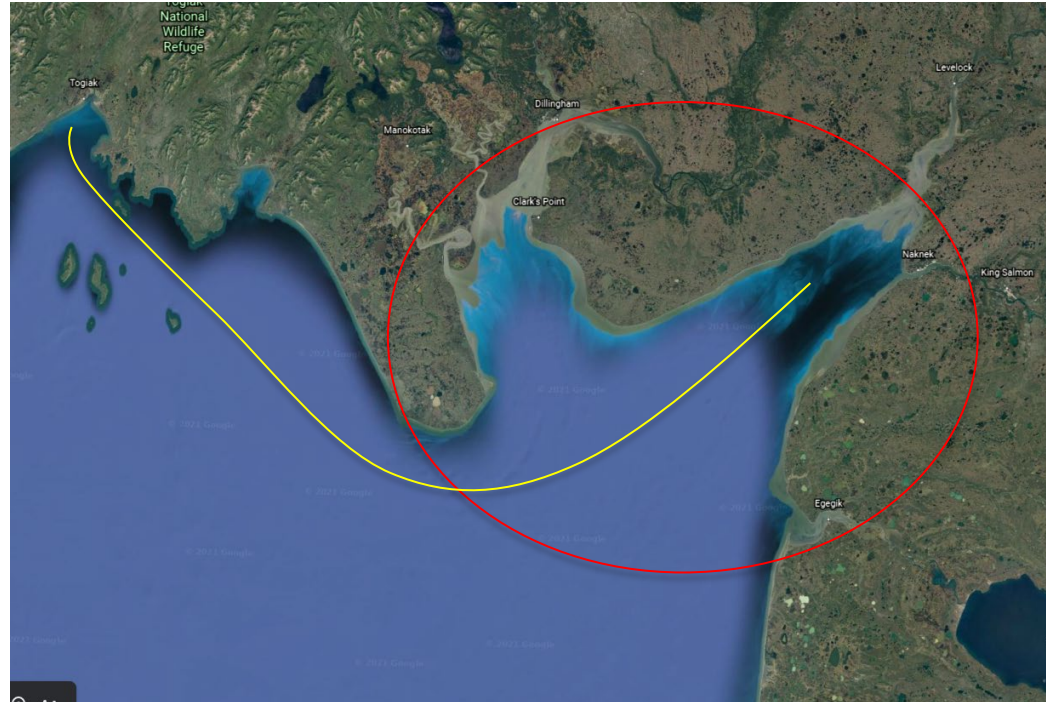
- Togiak is one of 21 villages in the Bristol Bay region of western Alaska
- 67 air miles SW of Dillingham, 392 air miles SW of Anchorage
- Founded in 1973, TNL is a village corporation formed under the Alaska Native Claims Settlement Act (ANSCA)
- Serves 974 shareholders, approximately 690 living in Togiak
- Subsistence Lifestyle



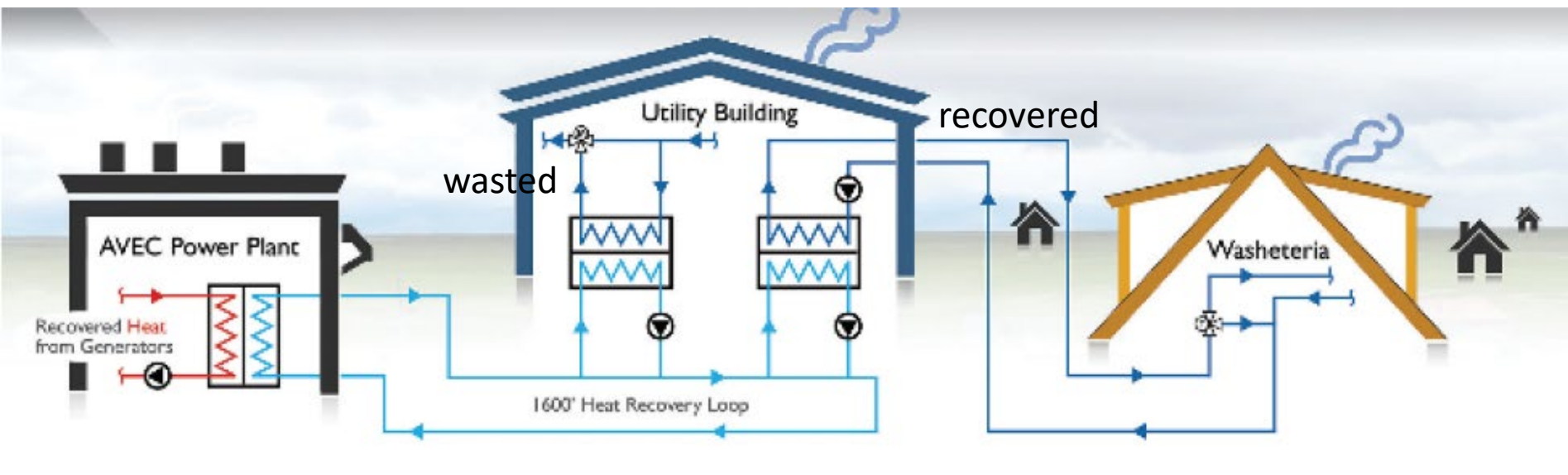
## Grantee: Togiak Natives Limited (TNL)

*Togiak Natives Limited drives innovation and economic growth in our region in order to preserve our rich Yupiaq culture and language, protect our unique land, and ensure youth, elder, and shareholder well-being. We are committed to our values of respect, honesty, collaboration, and integrity.*

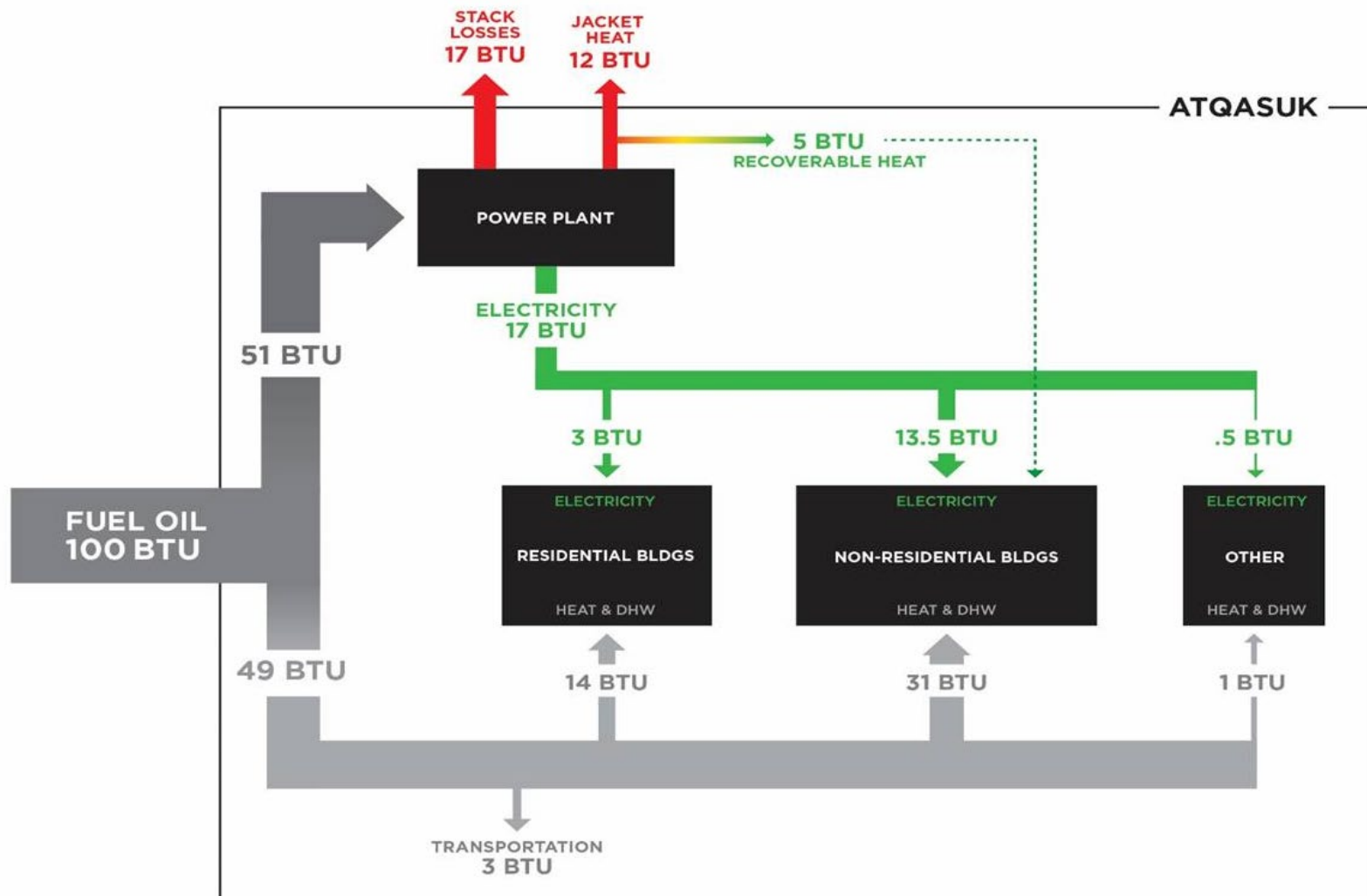
- Fish and heat
- Togiak district herring allotment is nearly 50,000 tons, out of the nearly 250,000 tons total biomass

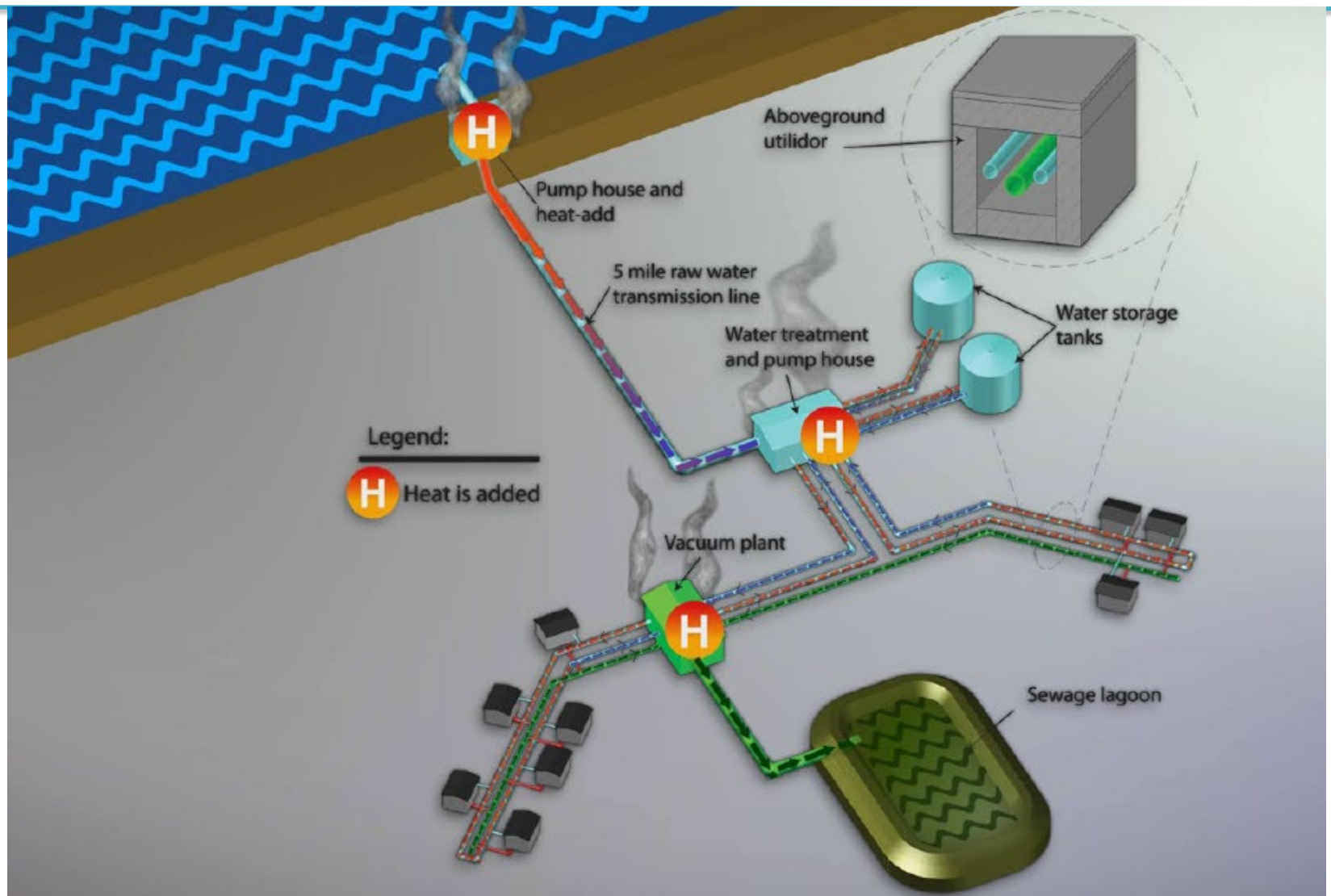






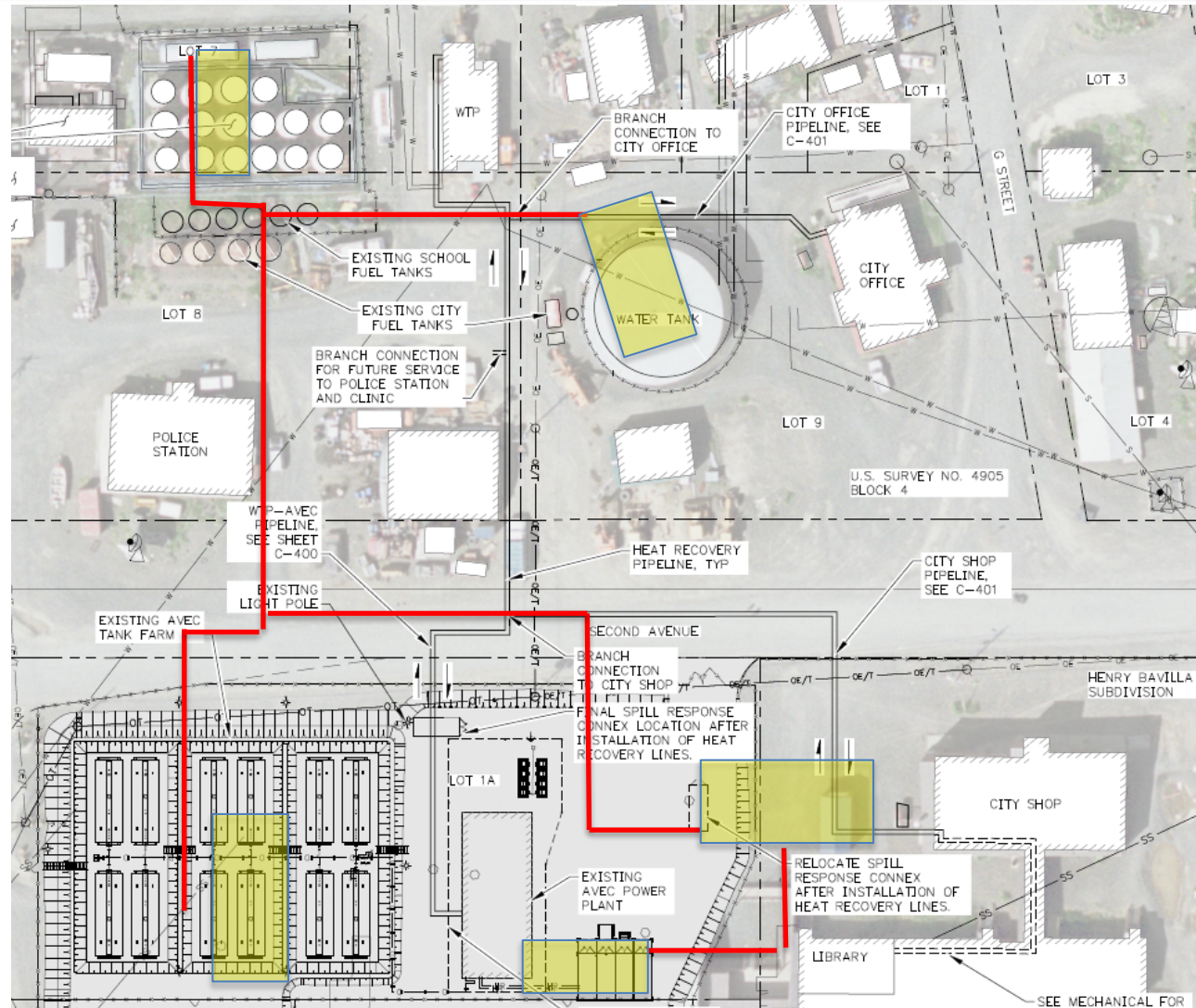






## Objective

- Replace 14,000+ gallons of fuel oil barged into the community each year
- Save \$52,000+ in fuel oil costs
- Retain a significant part of the \$52,000 in the community





## Project Partners

- Togiak Natives Limited (TNL)
- City of Togiak
- Alaska Village Electric Cooperative (AVEC)
- Alaska Native Tribal Health Consortium (ANTHC)
- US Department of Energy – Office of Indian Energy (DOE-OIE)
- Alaska Energy Authority (AEA)
- State of Alaska – Department of Environmental Control



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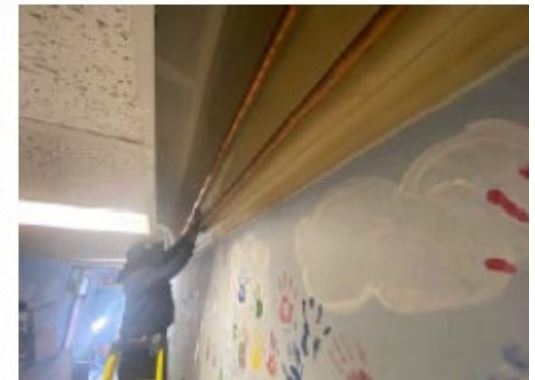
## Project History

- Originally explored heat recovery feasibility in 2010
- Applied for AEA Renewable Energy Fund (REF) in 2011
- REF grant awarded in 2012, \$443,030
- Shifting priorities delayed the project
  - Design and construction bids were much higher than estimates in feasibility study
- Design completed March 2019
- Additional funding sources secured in fall of 2019
  - DOE OIE Energy Infrastructure Grant
  - Commitment from State of Alaska revolving loan fund



## Project History – Part 2

- Covid Pandemic delayed project timeline, first mobilization September 2020
- Setbacks including:
  - Travel restrictions
  - Changes in power plant requirements
- Work is 98% complete, awaiting minor changes and final commissioning

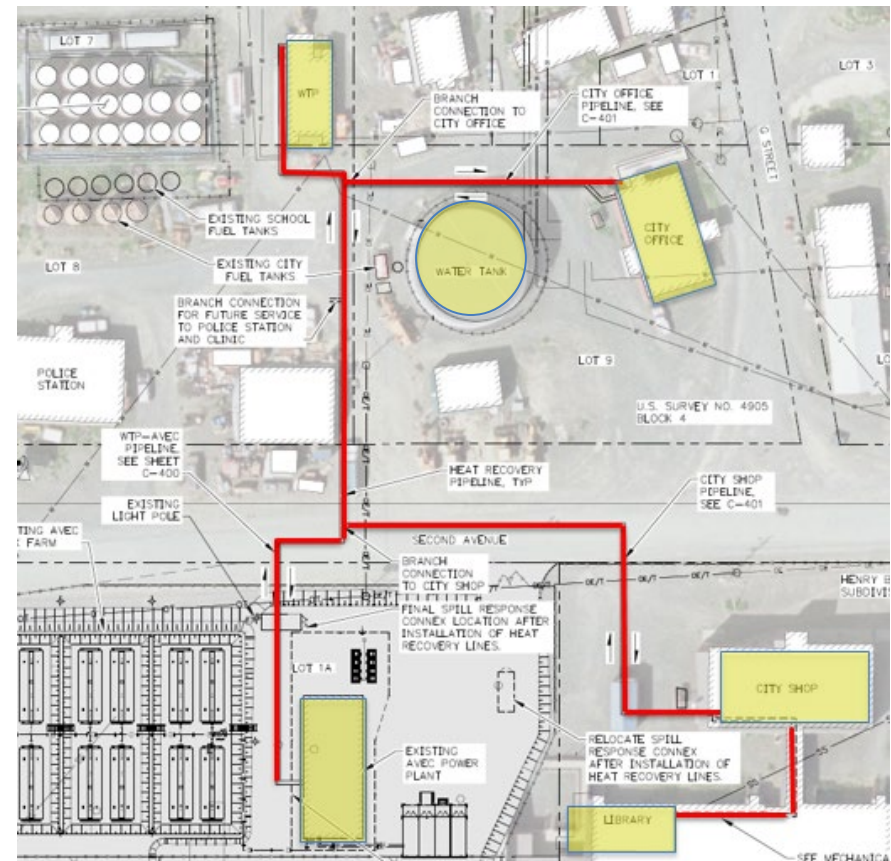




## Project Summary

### End Users

- Water treatment plant and storage tank
- City office
- City Shop
  - Search and rescue garage
- Library
- Future Expansion
  - Clinic
  - Village Public Safety Office







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Thank you!  
Quyana!  
Taikuu!  
Ana Baasee'!  
Mahsi Choo!  
Gunalcheesh!

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