



Associated General Contractors of Alaska Agency Day

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Jerod Jones,
Director of Project Operations
Alaska Native Tribal Health Consortium
jdjones@anthc.org
907-729-3578

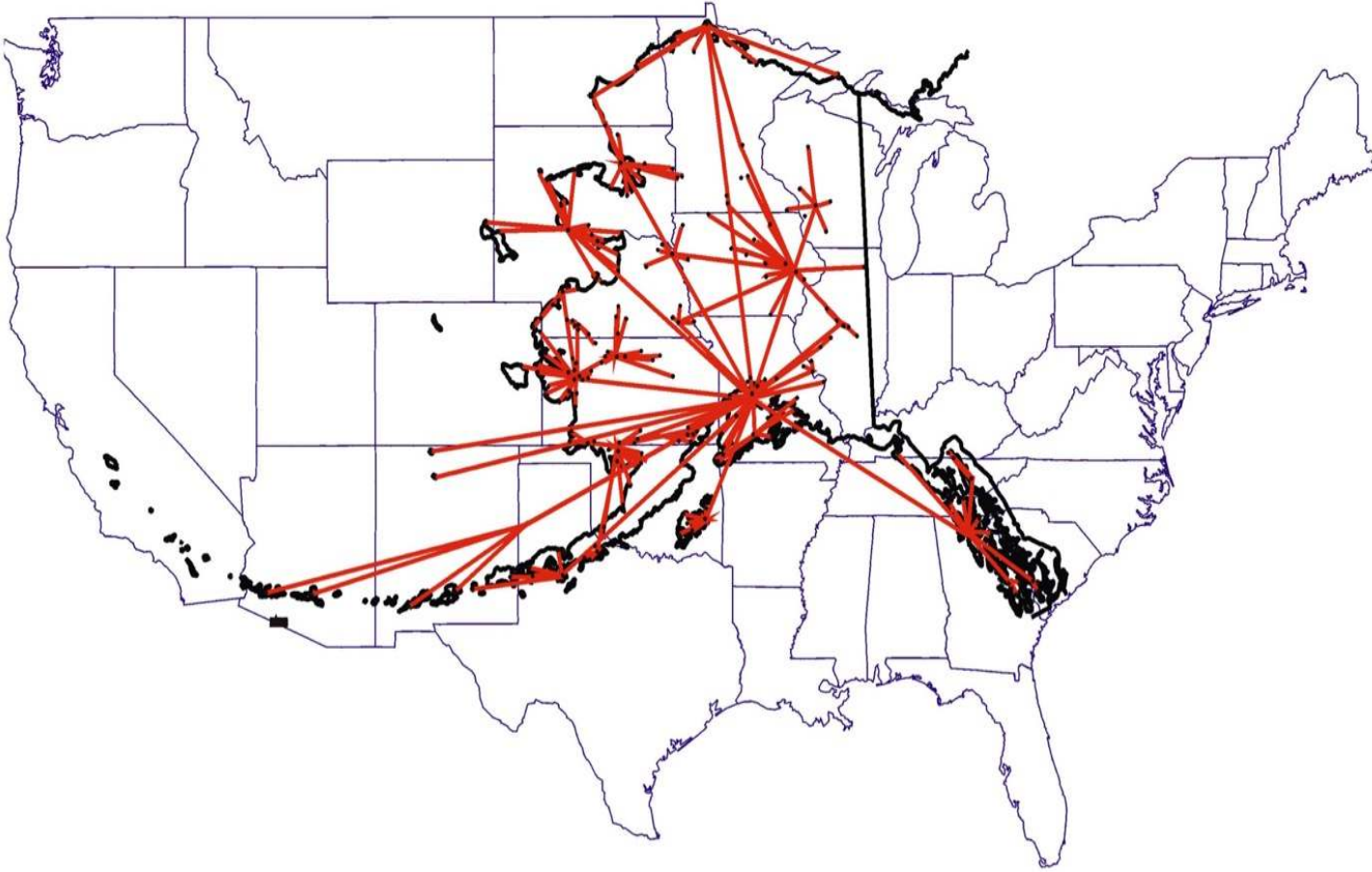
Rich Wooten,
Contract Management Director
Rswooten@anthc.org
907-250-2471

Alaska Native Tribal Health Consortium



- ANTHC is the largest, most comprehensive Tribal health organization in the US.
- Meeting the unique health needs of Alaska Native & American Indian people living in Alaska.
- Partner with 180,000+ AN & AI people that we serve & the THOs of the ATHS.
- Provides health services, rural water & sanitation systems construction.

Alaska Tribal Health System Partnerships



- Voluntary affiliation of Tribes & Tribal organizations providing health services to Alaska Native & American Indian people
- Approximately 11,600 employees statewide
- Each Tribal health organization is autonomous and serves a specific geographic area

ANTHC's Environmental Health and Engineering





Healthy Homes and Communities

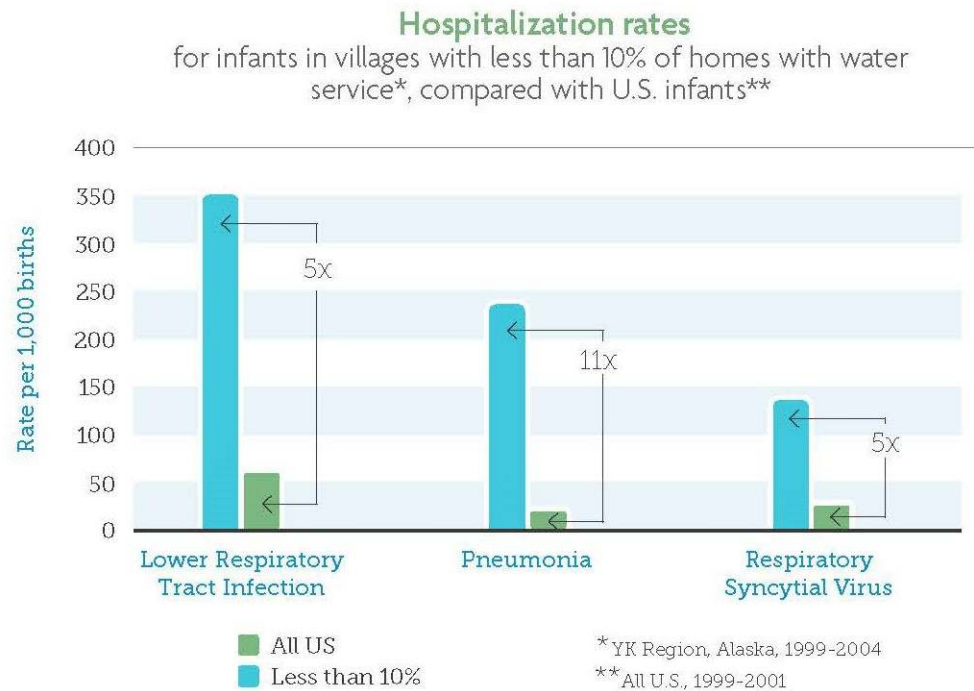




What We Do...

- Full-service construction in some of the most remote parts of Alaska.
- Provide individual wells and septic systems in homes.
- Provide whole communities with safe drinking water and healthy wastewater disposal for the first time.
- Support existing water and sewer operations & maintenance.

...and Why

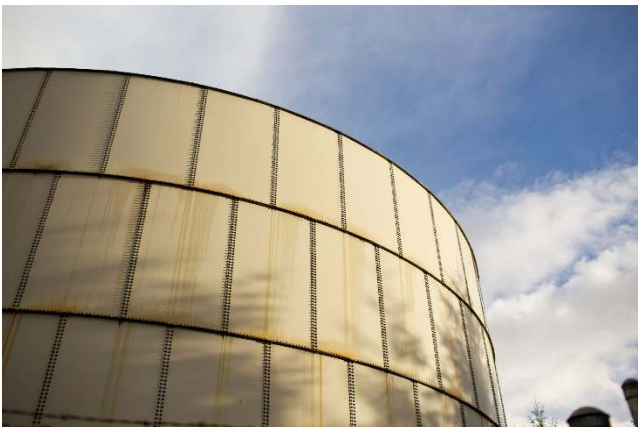


- Alaska has 2,300+ homes across 30+ remote communities lacking in-home plumbing.
- The lowest rate of in-home plumbing in the nation.
- Having in-home water and sewer makes hand washing and healthy hygiene practices easier, which have been shown to reduce illness.
- Infants in villages with limited water service have 5 times more hospitalizations for respiratory infection and 11 times more hospitalizations for pneumonia than the overall U.S. population.



Sanitation Facilities Construction





Types of Projects

- First Service
- Aging Infrastructure
- Energy Reduction
- Environmentally Threatened Communities

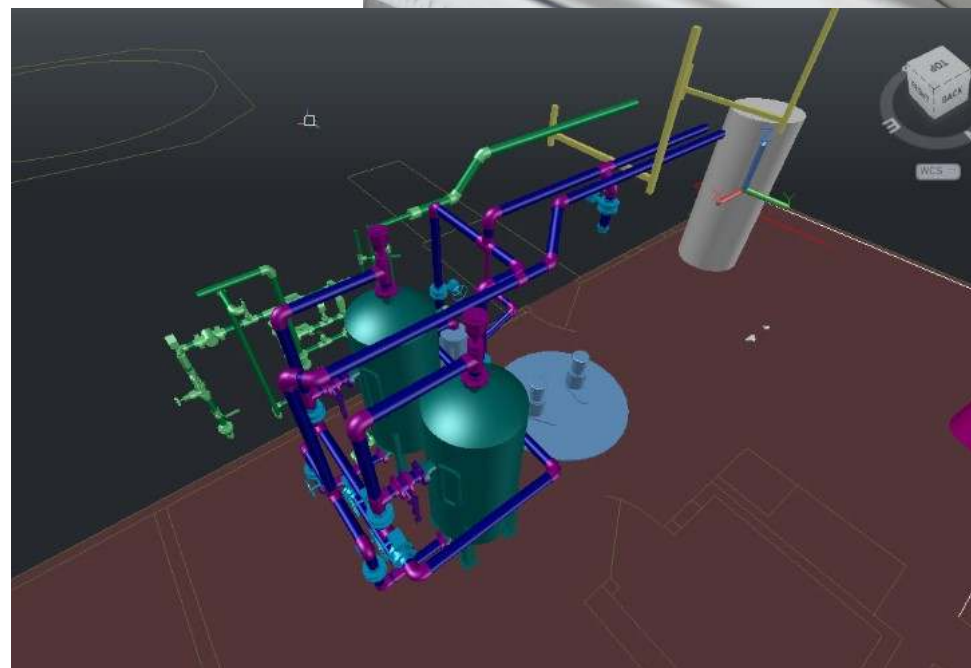
Planning

- Identify needs
- Preliminary engineering report
- Secure funding



Design

- In-house
- Contract





Construction

- Force account
- Contract

Construction





ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM

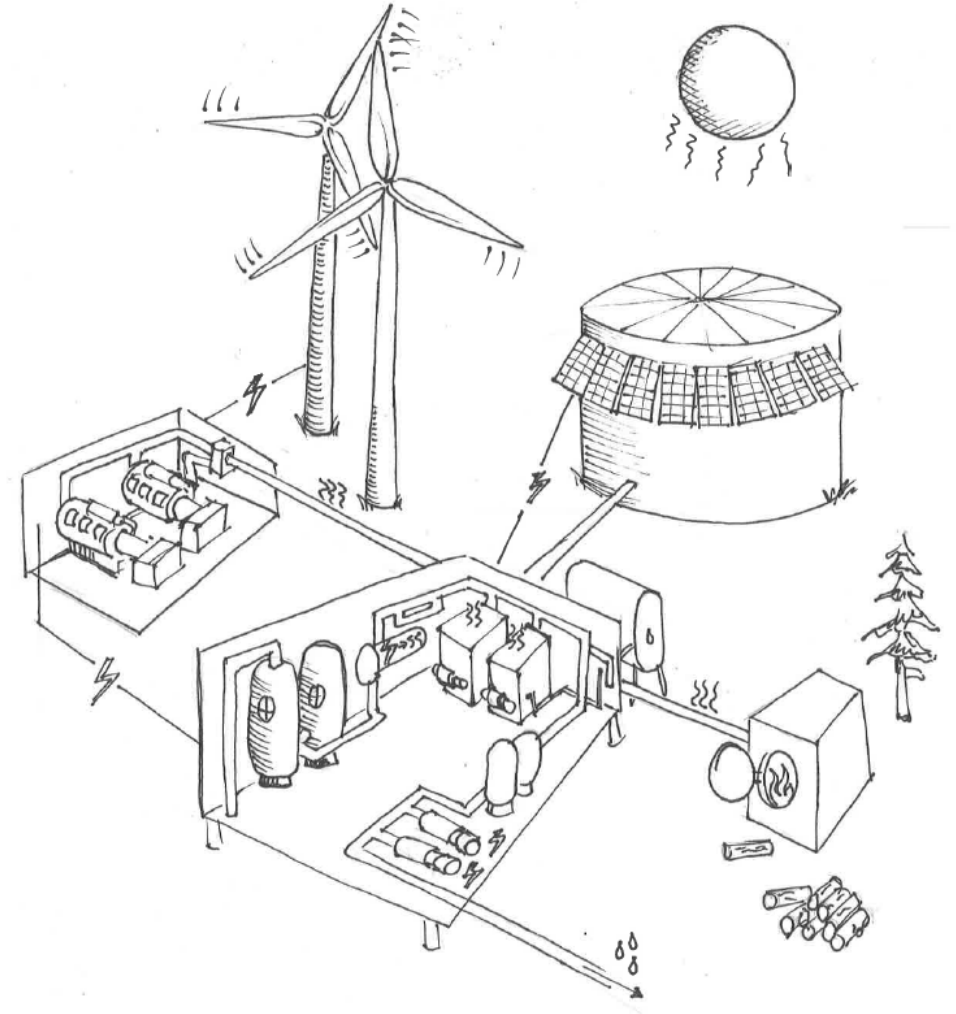
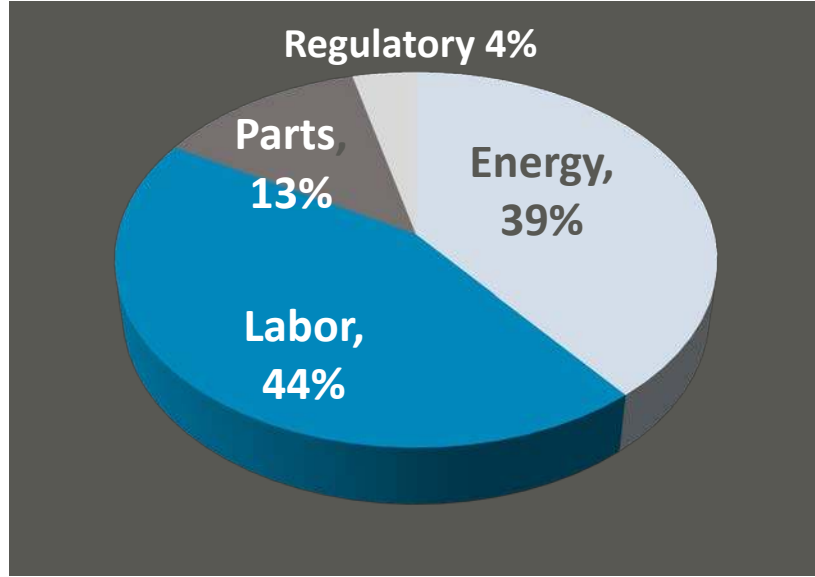
Environmental Health & Engineering

Operations

- Tribal Utility Support (TUS)
- Alaska Rural Utility Collaborative (ARUC)
- Community Utility Assistance Program (CUAP)
- Remote monitoring
- Rural Energy



Rural Energy Program



- Energy is 39% of total cost to operate facilities
- 4-7% of household income is just for water/sewer energy
- Projects in more than 100 communities
- \$3.8 million in annual savings
- \$20 million savings to date

Climate Impact on Infrastructure



Portable Alternative Sanitation System (PASS) (MiniPASS)



PASS R&D 2015



PASS 2.0 2017



PASS 2.0 2020



MINI PASS 2021

Funding and Outlook

- Approximately \$2.26B in Infrastructure Investments and Job Act (IIJA) funding through Indian Health Service through FY2026.
- IHS funding through its regular allocation process.
- Funding through the Environmental Protection Agency, the Denali Commission and other funding partners

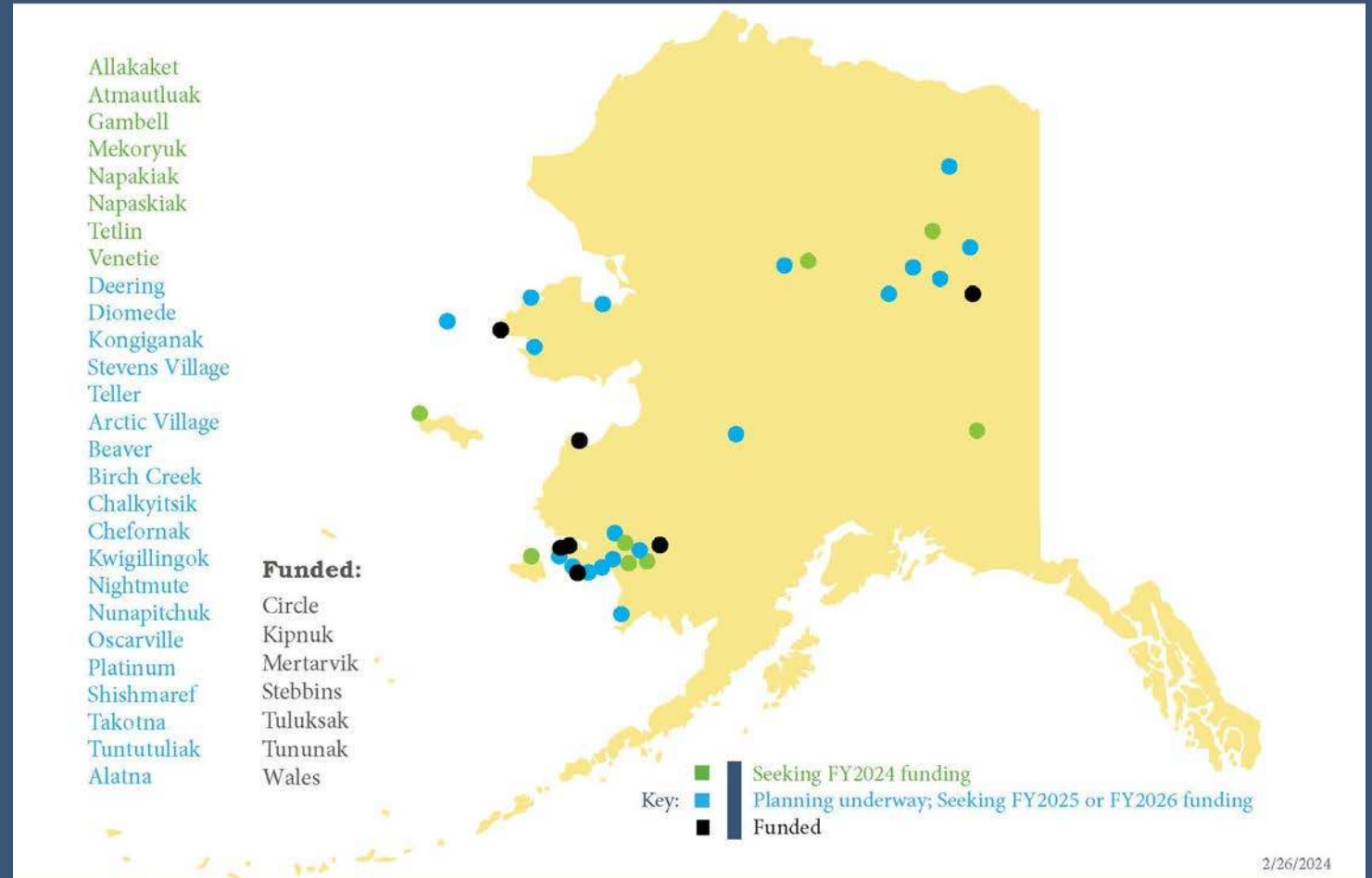


*Village Safe Water (VSW) is a State of Alaska-operated agency responsible for sanitation-related infrastructure implementations and improvements.

The Work Ahead

- \$271M of FY2022 IHS funding for design and construction of 115 projects and planning for 116 projects.
- \$440M of FY2023 IHS funding for design and construction of 39 projects.
- Remaining are 168 projects in the amount of \$1.8B

First Service Projects



First service projects bring piped water and sewer infrastructure to a community for the first time.

Upcoming projects

Community	Project	Value	Anticipated Start				
				Mertarvik	Phase 1 Piped Water & Sewer, Sewage Lagoon, WST, Lift Station, & In-home Plumbing	Over \$10M	FY24
Akiak	Sewer and Water Reconnection to 6 homes being moved	Under \$5M	FY25	Mertarvik	Solid Waste Completion	Under \$1M	FY25
Allakaket	Comprehensive Piped System	Over \$10M	FY24	Napaskiak	Water Treatment Plant Repair/Replacement	Under \$10M	FY25
Ambler	Solid Waste Upgrade	Under \$1M	FY25	Noorvik	Water and Sewer to Two Unserved Homes	Under \$5M	FY26
Ambler	South Loop Water Replacement	Over \$10M	FY25	Nunam Iqua	CUB Backup Generator	Under \$1M	FY25
Angoon	Water Source Upgrade	Under \$5M	FY25	Nunam Iqua	Water Quantity	Under \$5M	FY25
Angoon	Landfill Improvements	Under \$1M	FY25	Oscarville	Water Well & Low Pressure Sewer	Under \$10M	FY25
Angoon	Water Distribution & Sewer Collection System Replacement	Under \$10M	FY24	Pilot Station	Solid Waste	Under \$10M	FY25
Birch Creek	First Service to Five Homes	Under \$5M	FY26	Port Lions	Water Main Replacement	Under \$10M	FY24
Brevig Mission	Solid Waste Improvements	Under \$5M	FY25	Ruby	New Landfill	Under \$5M	FY25
Chignik Bay	Water Source and Transmission Line	Under \$10M	FY25	Russian Mission	Solid Waste Site	Under \$10M	FY24
Chignik Lagoon	Water Distribution Upgrade	Under \$10M	FY25	Selawik	New Solid Waste Site	Under \$5M	FY25
Circle	First Service to Homes	Under \$5M	FY24	Shishmaref	Comprehensive Piped System	Over \$10M	FY26
Eek	Water Treatment Plant Foundation Repair	Under \$5M	FY25	South Naknek	Water System Backup Generator	Under \$1M	FY25
Galena	Alexander Loop Water Main Replacement	Under \$10M	FY25	St. Mary's	Andreafski Loop Water Main Upgrade	Under \$10M	FY24
Galena	First Time Water and Sewer Facilities for 16 Homes and Water Main Extension	Under \$5M	FY25	St. Mary's	St. Marys Distribution Loop Replacement Ph. 2	Under \$10M	FY25
Galena	Supplemental Ground Water Source	Under \$5M	FY25	St. Michael	Raw WST Replacement	Under \$10M	FY24
Galena	Supplemental Ground Water Source	Under \$5M	FY25	Stebbins	Honeybucket Lagoon	Under \$5M	FY24
Goodnews Bay	Sewer Lagoon Erosion Control	Under \$1M	FY25	Stebbins	Sewer Lagoon and Force Main	Over \$10M	FY24
Grayling	WTP Backup Generator	Under \$1M	FY25	Stebbins	Solid Waste Site Improvements	Under \$1M	FY25
Holy Cross	WTP Backup Generator	Under \$1M	FY25	Stebbins	Water Distribution and Wastewater Collection	Over \$10M	FY24
Kiana	New Landfill	Under \$10M	FY25	Tanacross	Sewer Improvements	Under \$5M	FY24
Kivalina	New Solid Waste Site	Over \$10M	FY26	Tatitlek	Septic Pumper Truck	Under \$1M	FY24
Koyuk	Water and Sewer Connections	Under \$5M	FY24	Tetlin	Comprehensive Piped Systems	Over \$10M	FY24
Kwethluk	Raw Water Intake	Under \$5M	FY25	Togiak	East Loop Sewer Facilities Upgrades (Ph. 1)	Under \$10M	FY24
Lime Village	Solid Waste Improvements	Under \$1M	FY25	Togiak	East Loop Water Main Upgrades (Ph. 1)	Under \$10M	FY24
Little Diomedea	Comprehensive Piped System	Over \$10M	FY26	Togiak	West Loop #1 W/S Upgrade (Ph.3)	Under \$10M	FY24
Little Diomedea	Water Storage Tank Replacement and Transmission Line Upgrades	Under \$10M	FY24	Togiak	West Loop #2 W/S Upgrade (Ph. 2)	Under \$10M	FY24
Mertarvik	Phase 1 Piped Water & Sewer, Sewage Lagoon, WST, Lift Station, & In-home Plumbing	Over \$10M	FY24	Tyonek	Sludge Lagoon Upgrade	Under \$5M	FY25
Mertarvik	Solid Waste Completion	Under \$1M	FY25	Venetie	Comprehensive Piped System	Over \$10M	FY24
Napaskiak	Water Treatment Plant Repair/Replacement	Under \$10M	FY25	White Mountain	New Landfill and Closeout of Old Landfill	Under \$5M	FY25
Noorvik	Water and Sewer to Two Unserved Homes	Under \$5M	FY26				
Nunam Iqua	CUB Backup Generator	Under \$1M	FY25				
Nunam Iqua	Water Quantity	Under \$5M	FY25				
Oscarville	Water Well & Low Pressure Sewer	Under \$10M	FY25				
Pilot Station	Solid Waste	Under \$10M	FY25				
Port Lions	Water Main Replacement	Under \$10M	FY24				
Ruby	New Landfill	Under \$5M	FY25				

How do you Participate?



Bonfire



Contact info – DEHECDTContract@anthc.org



What to Know

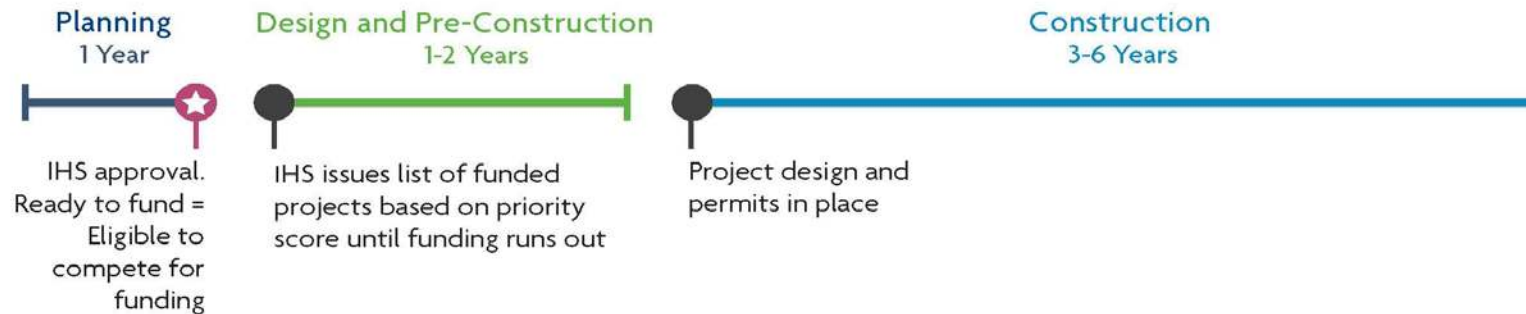
EJCDC contracting documents

Payment and Performance bonds

AIS/BABBA requirements

Sanitation Facilities Projects Timeline

Sample Timeline for New Piped Water and Sewer



What steps are needed in order to receive funding for sanitation projects?

Planning

- Community meetings.
- Preliminary engineering report (PER), evaluate options, develop scopes, and a cost estimate.
- IHS approval “ready to fund” status.

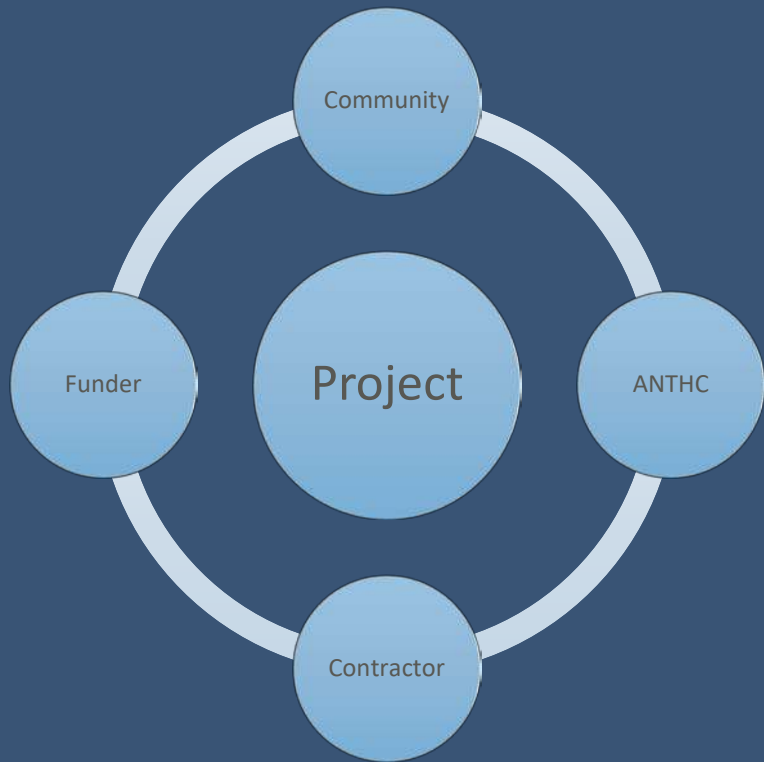
Design and Pre-Construction

- Plan approval from regulatory agencies.
- Permits.
- Geotechnical investigations.
- Land surveys.
- Right-of-way(s).
- Environmental and archeological clearances.
- Construction drawings.

Construction

- Construction, three to six years depending on size and complexity of project.
- Engineering and construction resources can impact construction timelines.
- Logistics and construction windows dictate schedules and length of construction.

Improving Relationships



- Approach to contract delivery
 - Hybrid contract separating out risk
 - Work inside residential homes Vs. Community Infrastructure
 - Innovative delivery methods
 - Design Bid Build
 - CMAR
 - CM/GC
 - Design Build
 - Progressive Design Build

Workforce Development

Developing a workforce
during design

Utilizing local labor

Training and
apprenticeships

Incentives for using local
laborers

- Preference
- Set aside
- Utilization award fee



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Residential vs. Infrastructure

Typically two types of general contractors

Projects more attractive to both residential and infrastructure general contractors

Force account / local labor

Defined roles / where the contract starts and stops



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Feedback / Questions



We want to talk to you



Collaboration is key to
bringing success to the next 15
years



Transparency

Vision

Alaska Native people are the healthiest people
in the world

Mission

Optimizing health and well-being through
collaborative partnerships and services.

