

# Sewer and Water Regulatory Reform in Alaska

- Multiple federal programs
- Complex Regulatory Structure for each program
- Two (or three) main allocation systems
- Villages administered either by ANTHC or the State of Alaska
- Reform principles



# Cumulative need in Alaska: \$2,279,960,585

- \$80 million annually
- First time service:  
\$1,397,079,862  
(30 communities)
- Regulatory upgrades to current systems :  
\$349,461,870
- Upgrades to benefit system operation:  
\$533,418,853

Printed: 09/21/2016 10:15AM (Mountain)

STARS

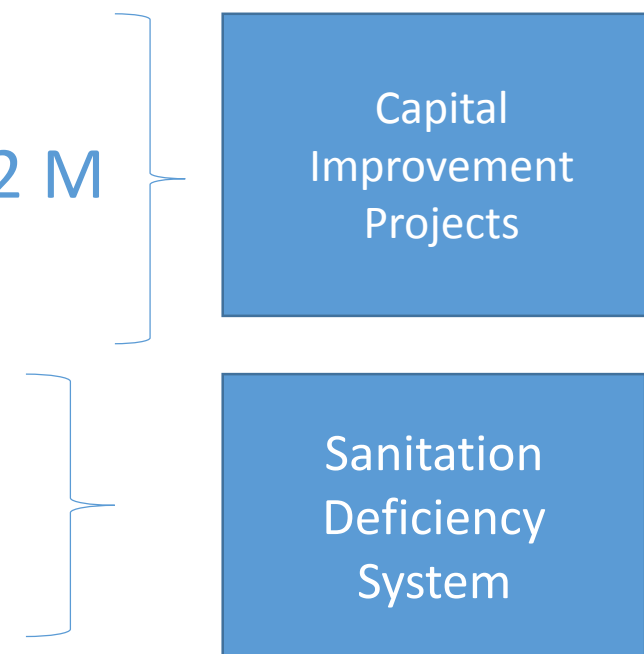
## Public SDS One-Line Report - Fiscal Year 2016 (Snapshot 19586 on 01/06/2016)

Area	State	Project No.	Project Name	Area Priority	Eligible Project Cost	Cumulative Eligible Project Cost
AN	ALASKA(2)	AK17552-5001	LOW. KALSKAG - In-home Plumbing Phase III	1	1,650,000	1,650,000
AN	ALASKA(2)	AK15430-2001	Iliamna- sludge disposal lagoon	2	630,000	2,280,000
AN	ALASKA	AK22749-5001	KOTZEBUE- Water and Sewer Service Lines	3	1,417,500	3,697,500
AN	ALASKA(2)	AK18606-5001	GALENA - First Time Water and Sewer Facilities for Seven Homes	4	798,000	4,495,500
AN	ALASKA	AK20707-5002	Fort Yukon - New Home Services	5	411,000	4,906,500
AN	ALASKA(1)	AK01003-3001	KLAWOCK - WST Replacement	6	575,000	5,481,500
AN	ALASKA(2)	AK23786-5101	Golovin - In-Home Plumbing - Upper Community CIP	7	817,000	6,298,500
AN	ALASKA(2)	AK19673-2001	TETLIN - Sewage Lagoon Upgrades	8	805,000	7,103,500
AN	ALASKA(2)	AK23790-2001	KOYUK - Lagoon Improvements	9	958,395	8,061,895
AN	ALASKA(2)	AK03485-3002	BETHEL - Water Trucks	10	511,000	8,572,895
AN	ALASKA(2)	AK03510-4002	TUNTUTULIAK - HB Collection Stations and Equipment	11	300,000	8,872,895
AN	ALASKA(2)	AK03496-2103	Kwigillingok FTH Sewage Lagoon	12	2,146,665	11,019,560
AN	ALASKA(2)	AK24846-3002	EMMONAK-Service & Plumbing for Four Homes	13	280,000	11,299,560
AN	ALASKA(2)	AK03496-5002	Kwigillingok - FTH Systems	14	325,800	11,625,360
AN	ALASKA(2)	AK24852-3101	Mt Village - 3c -Water Main Replacement (phase 3C, 2014 PER)	15	1,700,182	13,325,542
AN	ALASKA(2)	AK20705-5001	Circle Onsite Water and Sewer Systems	16	1,122,368	14,447,910
AN	ALASKA(2)	AK14365-1001	Chignik Bay - Water Treatment Plant Upgrade	17	1,550,000	15,997,910
AN	ALASKA(1)	AK06104-5001	Klukwan Water Storage Tank	18	620,000	16,617,910

# State/Federal funding

- Roughly \$82.3 m in funding annually
- State of Alaska Village Safe Water: \$11.34 M
- United States Department of Agriculture: \$23.82 M
- Environmental Protection Agency: \$10.21 M
- Indian Health Service Regular: \$9.24 M
- EPA Safe Drinking Water – Tribal: \$3.61 M
- EPA Clean Water Act – Indian: \$8.28 M
- IHS Housing: \$4.90 M
- ANTHC/Private/Other federal: \$13.92 M

# Duel Allocation



### IHS Regular (SDS)

Sanitation facilities  
Interior plumbing for  
native owned homes  
(no non-native  
homes)

### IHS Housing

Like-new Native  
owned homes  
No interior plumbing

### EPA Safe Drinking Water Act – Tribal Set Aside

Community water  
facilities and water  
service lines – no  
individually owned  
homes – no solid  
waste facilities

### EPA Clean Water Act – Indian Set Aside

Community sewer  
facilities & sewer  
service lines  
50% washeteria cost  
Individually owned  
septic tanks  
No interior plumbing  
No water or solid  
waste facilities

### USDA Rural Development

Community and  
individual water,  
sewer, and waste  
facilities including  
interior plumbing  
-must be defined a  
distressed  
community

### State of Alaska Village Safe Water

Sanitation  
facilities, interior  
plumbing,  
planning projects

Source: ANTHC



Teller, AK

Tribal Housing Authorities  
responsible for housing  
development  
(NAHASDA \$)

Regional tribal Non-  
profits responsible  
for road  
construction  
(Highway \$)

Regional health  
organizations  
responsible for clinic  
construction (some  
water and sewer)

State of  
Alaska: school  
construction;  
water and  
sewer

# Reform Principles

- Align regulatory structure
  - Allow tribes to use private sector financing and technology to leverage federal and state funds
- Tribal organizations must begin coordinating the infrastructure planning and investment both locally and regionally
- We must ensure that the accuracy and consistency of data across regions and communities within the Indian Health Service Sanitation Deficiency System
- Protect the federal investment in rural Alaska
  - Establish multi-tribal operations and maintenance organizations to extend the lifespan of existing utility systems.