

Alaska Rural Utility Collaborative

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Sr. Program Manager



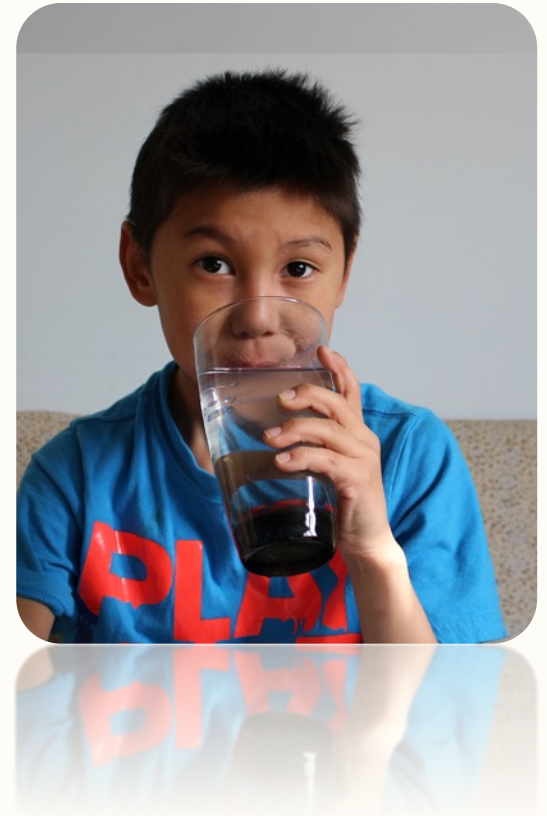
ARUC Background and Purpose

- Piloted in Bethel as “RUC” – 6 communities
 - Economies of scale
- Partnership – 26 vs. 1
- Management, operations & maintenance of water and wastewater systems – sustainability
- Billing and collections of utility service & management of monies
- Network and advocate with project managers and funding agencies for community projects



Why?

- Extend system's useful life
- Build capacity within rural communities
- Protect the health of those we serve



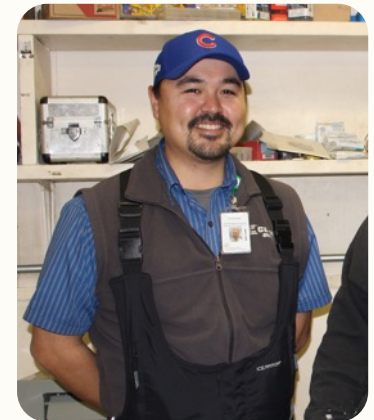
Capacity Building

- Operator training and certification
 - *Operator exchange program*
- Financial decisions by local leadership
 - *Large purchases, community funded projects, unique collection efforts*
- Advisory committee member from each community
 - *ARUC program direction and rates*
- Each community continues to own their system infrastructure and employ operators



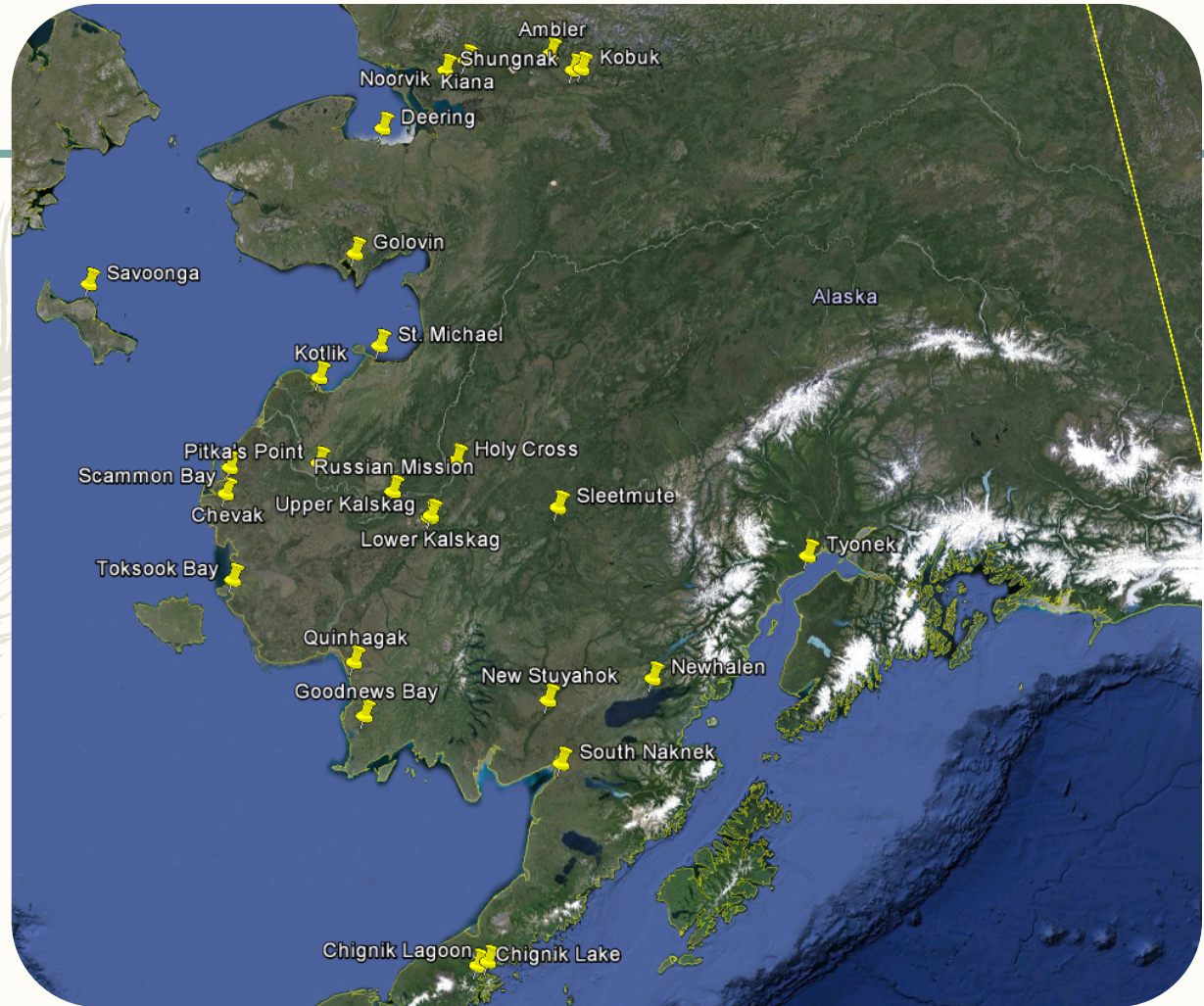
ARUC Structure

- 17 ARUC staff
 - Free to communities – funded by grants, projects, ANTHC \$
 - Regional managers
 - Bethel
 - Kotzebue
 - Anchorage



Communities in the ARUC

Ambler
Chevak
Chignik Lake
Deering
Golovin
Goodnews Bay
Holy Cross
Kiana
Kobuk
Kotlik
Lower Kalskag
Newhalen
New Stuyahok
Noorvik
Pitka's Point
Quinhagak
Russian Mission
Savoonga
Scammon Bay
Shungnak
Sleetmute
South Naknek
St. Michael
Toksook Bay
Tyonek
Upper Kalskag



ARUC Water/Wastewater Rates

ARUC Community	Residential	Commercial	School		Residential
Ambler	\$ 210.00	\$ 480.00	\$ 4,800.00	**Now subsidized by borough	\$ 71.40
Chevak	\$ 85.00	\$ 412.50	\$.16/gal		
Chignik Lake	\$ 85.00	\$ 625.00	\$.14/gal		
Deering	\$ 105.00	\$ 450.00	\$ 1,800.00	**Now subsidized by borough	\$ 37.50
Golovin	\$ 180.00	\$ 320.00	Water \$.24/gal Sewer \$.18/gal	**Subsidized by city	\$ 110.00
Goodnews Bay	\$ 85.00	\$ 250.00	\$.18/gal		
Holy Cross	\$ 120.00	\$ 270.00	\$ 3,375.00		
Kiana	\$ 140.00	\$ 420.00	\$ 4,500.00	**Now subsidized by borough	\$ 47.60
Kobuk	\$ 200.00	\$ 400.00	\$ 3,000.00	**Now subsidized by borough	\$ 68.00
Kotlik	\$ 81.50	\$ 157.50	\$.15/gal		
Lower Kalskag	\$ 156.00	\$ 500.00	\$.18/gal		
New Stuyahok	\$ 75.00	\$ 187.50	\$ 2,875.00		
Newhalen	\$ 175.00	\$ 400.00	\$ 2,100.00		
Noorvik	\$ 157.50	\$ 375.00	\$ 7,500.00	**Now subsidized by borough	\$ 53.55
Pitka's Point	\$ 250.00	\$ 500.00	No School	**Subsidized by city	\$ 120.00
Quinhagak	\$ 100.00	\$ 300.00	\$ 3,600.00		
Russian Mission	\$ 60.00	\$ 270.00	\$.18/gal		
Saint Michael	\$ 250.00	\$ 425.00	\$ 7,500.00	**Subsidized by city	\$ 162.50
Savoonga	\$ 85.00	\$ 300.00	\$ 6,100.00		
Scammon Bay	\$ 73.50	\$ 250.00	\$ 7,250.00		
Shungnak	\$ 180.00	\$ 540.00	\$ 3,520.00	**Now subsidized by borough	\$ 61.20
Sleetmute	\$ 156.25	\$ 812.50	\$ 2,760.00	**Subsidized by tribe	\$ 108.75
South Naknek	\$ 90.00	\$ 265.00	No School		
Toksook Bay	\$ 65.00	\$ 195.00	\$ 4,800.00		
Tyonek	\$ 128.25	\$ 300.00	\$ 1,900.00		
Upper Kalskag	\$ 150.00	\$ 500.00	\$ 1,500.00		

Reserves

2/28/2015

Community	Cash and Reserves	Adequate Reserves	Reserve Status
* UPPER KALSKAG	\$ (103,714)	\$ 15,000	Negative Balance
* NEWHALEN	\$ (89,359)	\$ 11,000	Negative Balance
* DEERING	\$ (73,082)	\$ 60,000	Negative Balance
* RUSSIAN MISSION	\$ (42,593)	\$ 26,500	Negative Balance
* SHUNGNAK	\$ (33,210)	\$ 30,000	Negative Balance
CHIGNIK LAKE	\$ (10,821)	\$ 10,000	Negative Balance
PITKAS POINT	\$ (2,854)	\$ 32,083	Negative Balance
* TYONEK	\$ (621)	\$ 33,000	Negative Balance
* AMBLER	\$ 5,373	\$ 35,750	Inadequate Reserves
CHIGNIK LAGOON	\$ 5,960	\$ 15,000	Inadequate Reserves
* KIANA	\$ 9,047	\$ 40,000	Inadequate Reserves
SLEETMUTE	\$ 9,978	\$ 13,000	Inadequate Reserves
* ST. MICHAEL	\$ 10,364	\$ 78,000	Inadequate Reserves
GOLOVIN	\$ 11,142	\$ 60,000	Inadequate Reserves
HOLY CROSS	\$ 23,813	\$ 50,000	Inadequate Reserves
SCAMMON BAY	\$ 26,208	\$ 60,000	Inadequate Reserves
SAVOONGA	\$ 56,967	\$ 61,000	Inadequate Reserves
SOUTH NAKNEK	\$ 34,194	\$ 11,000	Adequate Reserves
LOWER KALSKAG	\$ 45,624	\$ 33,000	Adequate Reserves
KOBUK	\$ 71,636	\$ 35,750	Adequate Reserves
GOODNEWS BAY	\$ 71,777	\$ 40,000	Adequate Reserves
QUINHAGAK	\$ 82,565	\$ 72,000	Adequate Reserves
NEW STUYAHOK	\$ 85,218	\$ 48,000	Adequate Reserves
NOORVIK	\$ 91,294	\$ 78,000	Adequate Reserves
KOTLIK	\$ 103,877	\$ 78,000	Adequate Reserves
TOKSOOK BAY	\$ 179,470	\$ 15,000	Adequate Reserves
CHEVAK	\$ 265,591	\$ 80,000	Adequate Reserves

12/31/2019

Community	Cash and Reserves	Adequate Reserves	Reserve Status
SHUNGNAK	\$ (22,559)	\$ 30,000	Negative Reserves
UPPER KALSKAG	\$ (21,642)	\$ 15,000	Negative Reserves
SLEETMUTE	\$ 4,007	\$ 13,000	Inadequate Reserves
NEWHALEN	\$ 9,621	\$ 11,000	Inadequate Reserves
DEERING	\$ 36,033	\$ 60,000	Inadequate Reserves
CHIGNIK LAKE	\$ 20,201	\$ 10,000	Adequate Reserves
PITKAS POINT	\$ 43,938	\$ 32,083	Adequate Reserves
GOODNEWS BAY	\$ 59,420	\$ 40,000	Adequate Reserves
TOKSOOK BAY	\$ 67,878	\$ 15,000	Adequate Reserves
KOBUK	\$ 75,117	\$ 35,750	Adequate Reserves
TYONEK	\$ 84,300	\$ 33,000	Adequate Reserves
AMBLER	\$ 89,577	\$ 35,750	Negative Reserves
LOWER KALSKAG	\$ 94,109	\$ 33,000	Adequate Reserves
SAVOONGA	\$ 97,136	\$ 61,000	Adequate Reserves
GOLOVIN	\$ 110,749	\$ 60,000	Inadequate Reserves
SOUTH NAKNEK	\$ 135,622	\$ 11,000	Adequate Reserves
KIANA	\$ 177,575	\$ 40,000	Adequate Reserves
HOLY CROSS	\$ 202,819	\$ 50,000	Adequate Reserves
RUSSIAN MISSION	\$ 210,505	\$ 26,500	Adequate Reserves
KOTLIK	\$ 232,562	\$ 78,000	Adequate Reserves
ST. MICHAEL	\$ 243,798	\$ 78,000	Adequate Reserves
NEW STUYAHOK	\$ 273,105	\$ 48,000	Adequate Reserves
NOORVIK	\$ 275,501	\$ 78,000	Adequate Reserves
SCAMMON BAY	\$ 292,248	\$ 60,000	Adequate Reserves
QUINHAGAK	\$ 493,193	\$ 72,000	Adequate Reserves
CHEVAK	\$ 561,655	\$ 80,000	Adequate Reserves

ARUC's Purpose

- Empower communities in rural Alaska to sustainably provide safe water and sanitation services
- Ensure our communities never go back to honey buckets
- <https://www.youtube.com/watch?v=eHlcEm8uHVM>





Community Utility Assistance Program (CUAP)

1. Reduce average residential water/sewer rates by two-thirds
2. Reduce the cost and number of emergencies through proper Preventative Maintenance performed by operators
3. Provide regional training and support for operators and administrators
4. Increase Construction grant possibilities for communities through increasing Best Practice scores



CUAP Results

- Preventative Maintenance Plans from 27% to 80%
- Revenue collections up from 88% to 102%
- Best Practice scores up from 74 to 83 (highest in the state)
- Rural operator certification pass rate up from 7-8% to ~35%

<u>Community</u>	<u>Pre CUAP Rate</u>	<u>Percent Reduced</u>	<u>CUAP Rate</u>	<u>Individual Household Yearly Savings</u>		6/2018 Pre-CUAP	Sep-19
•Ambler	\$210 per month	66%	\$71.40 per month	\$1,663	Ambler	96%	105%
•Buckland	\$175 per month	66%	\$59.50 per month	\$1,386	Buckland	Unknown	96%
•Deering (Sewer Only)	\$105 per month	66%	\$35.70 per month	\$832	Deering	111%	101%
•Deering (Water Only)	\$.25 per gallon	66%	\$.085 per gallon	\$16.50 per delivery	Kiana	102%	100%
•Kiana	\$140 per month	66%	\$47.60 per month	\$1,109	Kivalina	N/A	97%
•Kivalina	\$.05 per gallon	Rates were already subsidized by the City of Kivalina	\$.05 per gallon	\$29,120 Saved by City	Kobuk	85%	134%
•Kobuk	\$200 per month	66%	\$68.00 per month	\$1,584	Noatak	Unknown	Unknown
•Noatak	\$138 per month	Have Not Joined Program	\$46.92 Per Month	\$1,093	Noorvik	95%	106%
•Noorvik	\$157.50 per month	66%	\$53.55 per month	\$1,247	Shungnak*	83%	73%
•Shungnak	\$180 per month	66%	\$61.20 per month	\$1426	Selawik	41%	106%
•Selawik	\$250 per month	66%	\$85.00 per month	\$1980	AVERAGE	88%	102%

What can other regions do?

– 3 out of 4 CUAP goals if no \$

1. Reduce the cost and number of emergencies through proper Preventative Maintenance performed by operators, improved O&M
2. Increase revenues to have \$ available to pay expenses, perform O&M and send operators to certification training
3. Increase construction grant possibilities for communities through increasing Best Practice scores



Questions?



OUR VISION:

Alaska Native people are the
healthiest people in the world.



ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM