Newtok Planning Group
September 2019 Update

ROMY CADIENTE, NEWTOK VILLAGE COUNCIL

GAVIN DIXON, ALASKA NATIVE TRIBAL HEALTH CONSORTIUM
Shore Line Erosion Update

NEWTOK, ALASKA

PATRICK M. LEMAY, PE

LeMay Engineering & Consulting, Inc.
Statistics

From 1954 to 2016, 4,168 feet of land has been lost at a rate of 67 feet per year.

From 2006 to 2016, 700 feet of land has been lost at a rate of 70 feet per year.

From 2012 to 2016, 250 feet of land has been lost at a rate of 62.5 feet per year.

From 2016 to October 28, 2018, 125 feet of land has been lost at a rate of 62.5 feet per year.

Since October 13, 2018, 25 feet of land has been lost within one Fall/Winter Storm cycle occurring September 2-7, 2019.

The former drinking water source (community’s backup) was lost in June 2019 with the pond draining.
1954 Quad-Map of Newtok, Alaska
1954 Quad-Map of Newtok, Alaska
Shore Line from 2006 to Current
June 2019 Google Image
June 2019 Google Image
September 3, 2019 Shore Line
Former Water Source—May 13 & August 21, 2019
Aerial View–Former Water Source–May 13, 2019
Aerial View–Newtok, Alaska–May 13, 2019
Additional Statistics

As of September 9, 2019, there is 71 feet from the shore line to the first LKSD-threatened Teacher House.

As of September 9, 2019, there is 210 feet from the shore line to the School.

As of September 9, 2019, there is 225 feet from the shore line to the School’s Water Treatment Plant.

As of September 9, 2019, there is 275 feet from the shore line to the DOT Runway.

Average erosion rate of 67 feet per year.

Since October 13, 2018, 25 feet of land has been lost within one Fall/Winter Storm cycle occurring September 2-7, 2019.
Housing Demolition Project
Newtok Utilities Update

Power Utility Status

Washeteria Improvements Status

Boardwalk Improvements Status
Newtok Administration Update

Mertarvik Housing
- Housing Scoring Criteria and Selection Process
- Housing Resident Selection Complete
- Homeowner Agreements for Housing

Additional Agreements:
- YKHC Lease for Clinic Space
- LKSD Lease for MEC School Space, Teacher Housing Unit
- Newtok Native Corporation Store
- GCI Lease
Newtok Team: Additions and Changes

Newtok Native Corporation

Passing of Glen Price - Attorney
IRT Wrap Up

Project Start: June 10
Project Finish: August 26

Average Staffing: ~40 Service Members
Brought 2 Pieces of Equipment
Self Supply Food and Services
Assist in Construction
IRT Wrap Up

Accomplishments:
1.2 Miles of Road
95% of Landfill
Housing Construction Support for 13 Houses
No Heavy Equipment Shop
IRT Wrap Up

Key Takeaways:
Community Engagement/Welcoming Events
Support and Coordination with Contractor
Identifying Priorities
Mertarvik Construction
Accomplishments – Summer 2019

Gravel Materials Production
Landfill
MBR Sewer System
Construction Camp
Power Plant
Water Plant
Roads
Housing
PASS

Average Crew Size: ~70
Average IRT Crew: ~40
Average Local Hire: 10-20
Quarry Development
New Construction Camp
MBR Sewer System
Modular Power Plant
Modular Water Plant
Landfill
Townsite Roads
PASS
Housing
Recent Mertarvik Design Accomplishments

Interim Bulk Fuel Facility
- 90,000 gallons of storage
- Reuse of existing construction containment

MEC Interior
- Evacuation Center
- School Facility
  - 3 Classrooms, 2 Bathrooms, Kitchen, Offices, Storage

Interim Health Clinic
- Exam Room, Trauma Room, Pharmacy, Bathroom, Office

Newtok Native Corporation Store
End of Season Construction - September

Modular Power and Water Construction
Electric Distribution System
Housing – 3 Units Complete
Repairs to Older SIP Homes
Interim Bulk Fuel Facility
Telecommunications Set Up
PASS – 7 Units Completed

7 Families Relocate at End of Month
End of Season Construction – October / November

MEC Interior Completed
Housing – 10 New Units Completed
Relocate Marie Fairbanks Home
PASS -14 Units Completed
Interim Health Clinic / Store Completed
Equipment Fleet Set up for Maintenance

8 Families Move first week of October
6 Families Move middle of October
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<tr>
<th>SUNDAY</th>
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<td>Community Meeting + Council Meeting in Newtok</td>
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<td>“Water is Life” week (student play production and community activities)</td>
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<td>Community Meeting + Training for first 8 houses in Newtok</td>
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<td>Water plant + Power plant complete</td>
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<td>Move in CCHRC house 1,2,3</td>
<td>Move in SIP house 1</td>
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<td>LKSD class in cafeteria</td>
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<td>Move in SIP house 1</td>
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<td>Move in SIP house 3</td>
<td>Move in Marie Fairbanks house</td>
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<td>LKSD class in cafeteria</td>
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<td>Fuel opens</td>
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<td>Community Meeting + Training for next 12 houses in Newtok</td>
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<td>Move in CCHRC house 4,5,6,7</td>
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<td>Move in AVCP-NVC house 1,2,3</td>
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<td>Move in CCHRC house 9,10,11,12,13</td>
<td>CCHRC house training in Mertarvik</td>
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<td>LKSD school in MEC</td>
<td>PASS + Healthy Homes training in Mertarvik</td>
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Training and Preparation for Relocation

Utility Operator Training
PASS Residential Operations Training (Yugtun)
New Home Operations Training (Yugtun)
Mertarvik Guidebook Review
Student Activity Book Relocation Lessons (Yugtun)
Planning the Move

Moving and Packing Guide Produced
Residents to Relocate personal goods via Boat

NVC to assist residents with transporting furniture / freezers with landing craft

ANTHC working with Brice Inc., UICC, and RyanAir to secure transportation support
Recent Funding Acquired: Denali Commission

Barge Landing Improvements: $1,100,000

- Design Barge Landing Improvements
- Construct Fuel Header
- Construct Barge Landing Improvements

- Match Provided in part by Calista and Brice Inc.
Other Recent Funding Acquired

BIA Tribal Resilience:

Travel Support for Newtok Planning Group, AFN, BIA Providers Conference

EPA IGAP:

Environmental Program Support – Solid Waste Focus
Declined Funding Applications

HUD FY18 ICDBG
- $600,000
- Two 3 BR Houses in Mertarvik 2020
- AVCP Construction

BIA Tribal Resilience
- Barge Landing Design Improvements
- Health Clinic Design

2020 IRT Program (National)
Active Applications

DMVA HMPG
- Buyout And Demolition of 5 Homes in Newtok
- 2020

FEMA PDM
- Phase 2 Water Treatment and Distribution for Mertarvik
- 2020-2021

FEMA PDM
- Additional Housing Pads for Mertarvik
- 2020

YKHC
- IHS Small Ambulatory Program
- New Mertarvik Health Clinic Construction

2020 IRT Program (Local)
- Alaska Sponsored
- Heavy Equipment Shop Construction
- Roads Construction

USACE
- MEC Associated Infrastructure
Planned Funding Applications

Planned Applications:
- BIA HIP FY20 – 2020 Housing
- ICDBG FY20 – 2020 Housing
- Rasmussen Tier I – Temporary Clinic
- HMPG October 2019 – Newtok Housing Buyout and Demolition
- 2021 IRT Program
Agency Updates

- Alaska DOT – Mertarvik Airport
- Division of Homeland Security and Emergency Management – SCERP and Other Updates
- Lower Kuskokwim School District – School Operations
- Yukon Kuksokwim Health Corporation – Clinic Operations
- HUD
- BIA
2020 Critical Funding Needs

- Housing Construction Funding
- Electric Distribution Infrastructure Extension
- PASS Installation for New Housing
- Town Site Roads Extensions
Long Term Funding Priorities

- New School Facility – Funded by end of 2020
- Housing – Enough Housing Funded for Entire Population Funded by 2022
- Water / Sewer – Once Critical Mass of Housing Established
Opportunity: Relocating Newtok Structures

- Decommissioning Newtok – How can we maximize Newtok Infrastructure into Mertarvik
- What do we need to do now to plan and prepare?
Additional Updates

National Tribal Water Center – Water is Life
• Water Week : (9/9 – 9/15)
• Theatre Production

Community Veterinary Clinic
• YKHC
• Vaccinations/Spay/Neuter: (9/16-9/20)

Mertarvik Quarry Road – Emergency Landing Strip
• Successfully accommodated a medevac flight during Summer 2019
• Working with FAA to assign Private Landing Strip standing
• Working with Grant air and other airlines to establish service plans
• Working with USPS to establish Mail and bypass mail service to Mertarvik
Site Visits

Distinguished Visitors Day – July 19th

Senator Murkowski and Staff – August 15th

IRT Video:
https://www.youtube.com/watch?v=gcTus97OTp4

Recent Articles:
https://www.kyuk.org/post/newtok-partners-military-escape-coastal-erosion
https://www.eenews.net/stories/1061110713
Thank You

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ANTHC:
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